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CABRAMATTA LOOP PROJECT

ENVIRONMENTAL IMPACT STATEMENT

TECHNICAL REPORT 1 —
TRANSPORT, TRAFFIC AND ACCESS IMPACT ASSESSMENT

TECHNICAL REPORT 2 —
NOISE AND VIBRATION IMPACT ASSESSMENT

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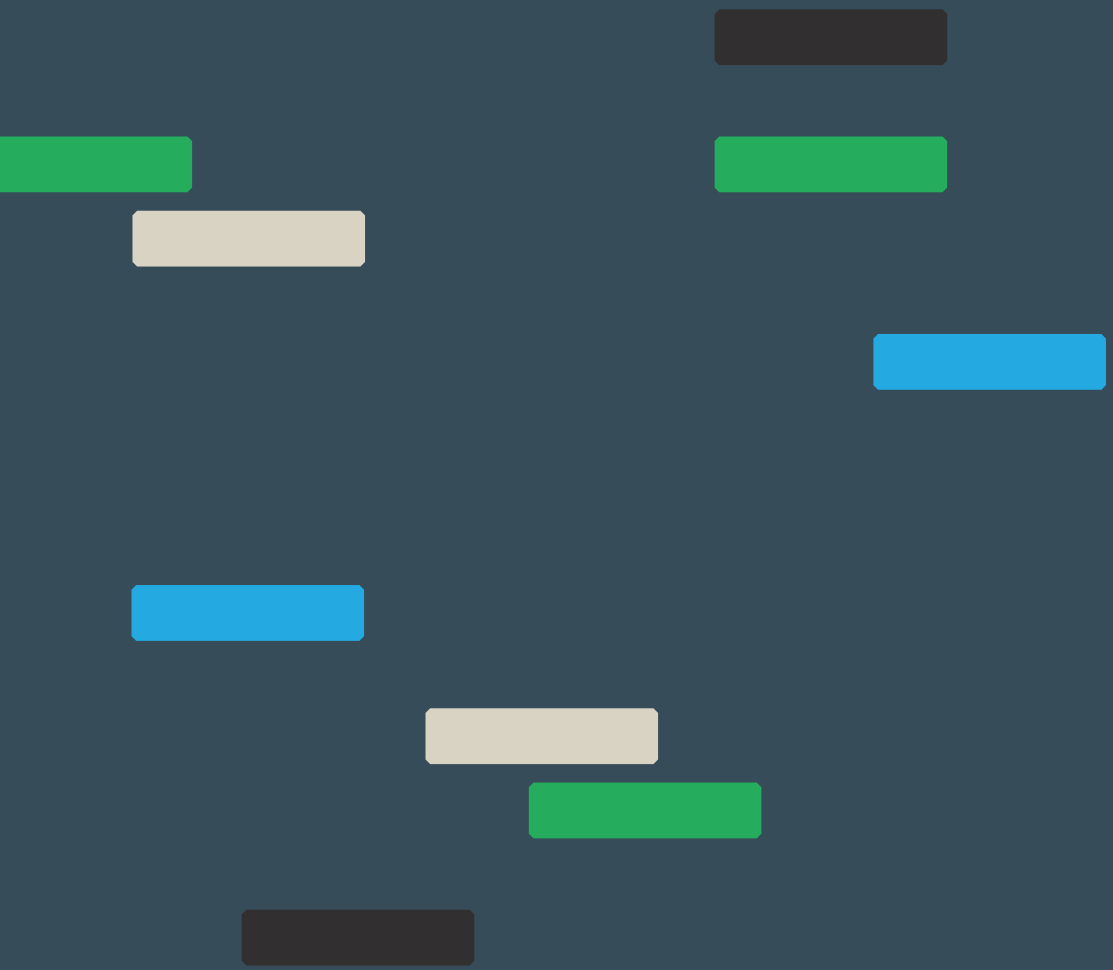
ARTC

CABRAMATTA LOOP PROJECT

TECHNICAL REPORT



TECHNICAL REPORT 1 —
TRANSPORT, TRAFFIC AND ACCESS IMPACT ASSESSMENT

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Australian Rail Track Corporation

Cabramatta Loop Project

Environmental Impact Statement

Technical Report 1 – Traffic, Transport and Access Impact Assessment

August 2019

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Appendices

Appendix A – Traffic count surveys

Appendix B – SIDRA intersection results

Appendix C – Parking surveys

Appendix D – Travel time review

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Glossary

Term	Definition
95 Percentile [1]	A value which 95 percent of the total data observed falls below and 5 percent of the total data observed is above this value.
AM peak hour	Unless otherwise stated, this refers to vehicle trips arriving at their destination during the average one hour peak period between 7:00 am to 9:00 am on a normal working weekday.
Average Delay [1]	The additional (excess) travel time experienced by a vehicle or pedestrian relative to a base travel time.
Classified road	Roads classified under sections 46, 47, 50 or 51 of the NSW Roads Act 1993 that have a legal class of highway, main road, secondary road or tourist road.
Construction	Includes all physical work required to construct the project.
Construction compound	An area used as the base for construction activities, usually for the storage of plant, equipment and materials, and/or construction site offices and worker facilities.
Construction environmental management plan	A site-specific plan developed for the construction phase of the project to ensure that all contractors and sub-contractors comply with the environmental conditions of approval for the project and that the environmental risks are properly managed.
Degree of Saturation [1]	The Degree of Saturation is the ratio of arrival (demand) flow rate to capacity during a given flow period. Also known as the volume to capacity ratio (v/c ratio), utilisation ratio, utilisation factor and traffic intensity.
LOS	Level of Service is the a performance rating for an intersection or road has which dependent on the magnitude of delays and spare capacity experienced
PM peak hour	Unless otherwise stated, this refers to trips travelling on the network during the average one hour peak period between 3:00 pm to 6:00 pm on a weekday.
Project	The construction and operation of the Cabramatta Loop.
Project site	Refers to the area that would be directly disturbed by construction of the project (for example, as a result of ground disturbance and the construction of foundations for structures). It includes the location of construction activities, compounds and work sites, and the location of permanent operational infrastructure.
Work site	An area used to support other construction areas/activities.

[1] *SIDRA Glossary of Road Traffic Analysis Terms*, Akcelik and Associates Pty Ltd, March 2017

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Terms and abbreviations

Term	Definition
AADT	Average Annual Daily Traffic
ARTC	Australian Rail Track Corporation
CTMP	Construction Traffic Management Plan
DPE	Department of Planning and Environment
EIS	Environmental Impact Statement
EP&A Act	NSW Environmental Planning and Assessment Act 1979
LCC	Liverpool City Council
SEARs	Secretary Environmental Assessment Requirements
Roads and Maritime	Roads and Maritime Services
SSFL	Southern Sydney Freight Line
TCP	Traffic Control Plan
Veh/d	Vehicles per day
Veh/h	Vehicles per hour is the standard unit of measure in analysis traffic flow during peak periods

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Executive Summary

Australian Rail Track Corporation proposes to construct and operate a passing loop for 1,300 metre length trains on the Southern Sydney Freight Line (SSFL) between Sydney Trains' Cabramatta and Warwick Farm stations. The Cabramatta Loop Project ('the project') would allow freight trains to pass and provide additional rail freight capacity along the SSFL.

A traffic, transport and access assessment of construction and operational activities associated with the project has been undertaken. This assessment focuses on impacts related to traffic, parking, public transport and active transport within the study area.

A construction traffic impact assessment was undertaken at a number of key intersections in the study area that were on construction traffic haulage routes. The assessment was used to determine whether the proposed construction traffic would have adverse impacts on performance at these intersections. Construction activities are proposed to be carried out during and outside standard construction hours, however a worst case traffic modelling scenario was modelled based on the morning and evening weekday peak hour periods. The traffic modelling of intersections within the study area showed there would be a minor increase in average delay at the following signalised intersections during construction activities as follows:

- Hume Highway/Mannix Parade intersection would increase from a level of service (LoS) B from LoS B to LoS C during the AM peak hour period and from LoS C to LoS D in the PM peak hour period
- The Sappho Road/Hume Highway intersection would increase from LoS A to LoS B in the PM peak hour period.

However, the road network that would be used during construction is likely to perform still within LoS D which remains at acceptable limits of level of service.

Construction traffic movements along local roads should be managed with a construction traffic management plan to limit the degree of road traffic impacts to residents and road users.

One lane of traffic on Broomfield Street would be closed for periods of time during the construction stages. The other would be kept open (either northbound or southbound) under direction of traffic controllers. These traffic impacts are expected to be minor.

There will be some impacts to parking during the construction stages of Broomfield Street, with loss of on-street parking. Parking users can utilise available spaces on the surrounding road network, or at potential parking locations under investigation by ARTC. Construction sequences will be staged to minimise loss of parking at any one time.

There are likely to be some impacts to bicycle riders and pedestrians using the shared path on Broomfield Street during the construction activities along Broomfield Street. The shared path would be temporarily realigned around work sites during the bridge construction works, however there may be a short period where access is restricted.

Train services from Cabramatta Station would be affected during weekend track possession, however this would be co-ordinated with Sydney Trains scheduled track processions. It is therefore likely to include train replacement services for the public.

Operational impacts from the project are limited, with the only impacts being to a minor loss of permanent parking spaces on Broomfield Street after construction. However, the assessment has concluded that Broomfield Street has sufficient capacity to absorb this minor loss of parking on the surrounding road network.

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1. Introduction

1.1 Overview

Australian Rail Track Corporation (ARTC) proposes to construct and operate a passing loop for up to 1,300 metre length trains on the Southern Sydney Freight Line (SSFL) between Sydney Trains' Cabramatta and Warwick Farm stations. The Cabramatta Loop Project ('the project') would allow freight trains to pass and provide additional rail freight capacity along the SSFL.

The project is State significant infrastructure in accordance with Division 5.2 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). As State significant infrastructure, the project needs approval from the NSW Minister for Planning and Public Spaces.

This report has been prepared to accompany the environmental impact statement (EIS) to support the application for approval of the project, and address the environmental assessment requirements of the Secretary of the Department of Planning and Environment (the SEARs), issued on 17 May 2018.

1.2 The project

1.2.1 Site location

The project is generally located within the existing rail corridor between the Hume Highway and Cabramatta Road East road overbridges within the suburbs of Warwick Farm and Cabramatta. In addition, the project includes works to Broomfield Street east of the rail corridor in Cabramatta.

The rail corridor is owned by the NSW Government (RailCorp) and leased to ARTC.

The location of the project is shown on Figure 1.1.

1.2.2 Key features

The key features of the project include the following:

- New rail track – providing a 1.65 kilometre section of new track with connections to the existing track at the northern and southern ends
- Track realignment – moving about 550 metres of existing track sideways (slewing) to make room for the new track
- Bridge works – constructing two new bridge structures adjacent to the existing rail bridges over Sussex Street and Cabramatta Creek
- Road works – reconfiguring Broomfield Street for a distance of about 680 metres between Sussex and Bridge Streets.

Ancillary work would include communication upgrades, works to existing retaining and noise walls, drainage work and protecting/relocating utilities. In addition, minor works in the form of new signalling would be installed at a number of locations within the rail corridor (indicative locations provided in the EIS).

The key features of the project are shown on Figure 1.2

Further information on the project is provided in the EIS.

Figure 1.1 Location of the project

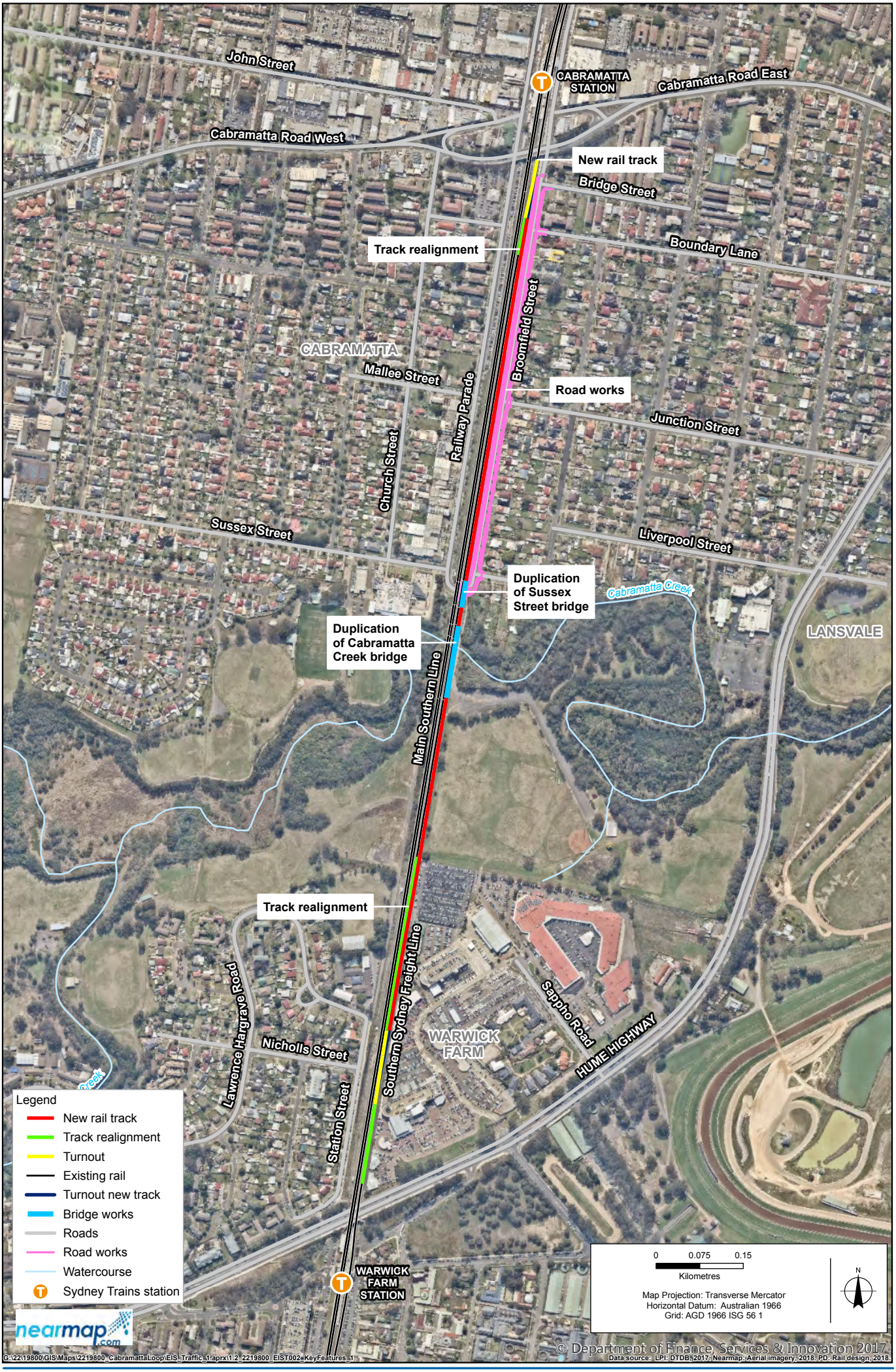

Figure 1.2 Key features of the project

1.2.3 Timing

Subject to approval of the project, construction is planned to start in early 2021, and is expected to take about two years. Construction is expected to be completed in early 2023.

It is anticipated that some features of the project would be constructed while the existing rail line continues to operate. Other features of the project would need to be constructed during programmed weekend rail possession periods when rail services along the line cease to operate. Possession periods typically occur for 48 hours four times per year.

1.2.4 Operation

The project would operate as part of the SSFL and would continue to be managed by ARTC. ARTC is not responsible for the operation of rolling stock. Train services are currently, and would continue to be, provided by a variety of operators.

Following the completion of works, the existing functionality of Broomfield Street would be restored, with one travel lane in each direction, kerb-side parking on both sides and a shared path of the western side of the street.

1.3 Purpose and scope of this report

The purpose of this report is to identify and assess the potential traffic, transport and access impacts from the operation and construction of the project. This traffic, transport and access assessment addresses the relevant SEARs for the EIS, as outlined in Table 1.1 and comments from Liverpool City Council and Transport for New South Wales, as outlined in Table 1.2.

Table 1.1 SEARs relevant to this assessment

Item	Requirements	Addressed in Section
3 (2)	Assessment of Key Issues	
	For each key issue the Proponent must:	
a	Describe the biophysical and socio-economic environment, as far as it is relevant to that issue	Section 3
b	Describe the legislative and policy context, as far as it is relevant to the issue	Section 2.2
c	Identify, describe and quantify (if possible) the impacts associated with the issue, including the likelihood and consequence (including worst case scenario) of the impact (comprehensive risk assessment), and the cumulative impacts	Section 5 and 6
d	demonstrate how potential impacts have been avoided (through design, or construction or operation methodologies);	Refer to the EIS
e	detail how likely impacts that have not been avoided through design will be minimised, and the predicted effectiveness of these measures (against performance criteria where relevant)	Section 7
	Traffic, Transport and Access	
1	The Proponent must assess construction transport and traffic (vehicle, pedestrian and cyclists).	Chapter 5
a	The number, frequency and size of construction related vehicles (passenger, commercial and heavy vehicles, including spoil management movements).	Section 4.1.3
b	A considered approach to route identification and scheduling of transport movements, including haulage routes.	Section 4.1.2 Section 4.1.6
c	Construction worker parking.	Section 5.4
d	Changes to parking along Broomfield Street including identification of replacement options prior to displacement.	Section 5.4

Item	Requirements	Addressed in Section
e	The nature of existing traffic (types and number of movements) on construction access routes (including consideration of peak traffic times and sensitive road users and parking arrangements).	Section 3.3
f	Access constraints and impacts on public transport, pedestrians and cyclists.	Section 5.3
g	The need to close, divert or otherwise reconfigure elements of the road and cycle network associated with construction of the project, particularly the pedestrian and cycleway along Broomfield Street, across Cabramatta Creek and the Sussex Street underpass.	Section 5.2 Section 5.3
2	The Proponent must assess (and model) the operational transport impacts of the project, including:	Section 6
a	Impact to parking along Broomfield Street and surrounding streets and the identification of replacement parking.	Section 5.4
b	Impacts on cyclists and pedestrian access and safety.	Section 5.3
c	Opportunities to integrate cycling and pedestrian elements with surrounding networks.	Section 5.3

Table 1.2 Stakeholder comments relevant to this assessment

Item	Comments	Addressed in Section
	Liverpool City Council	
3	A construction traffic management plan should be provided.	Section 7.1
4	Provide an assessment of cumulative impacts associated with other construction activities.	Section 5.8
5	Provide an assessment of road safety at key intersection and locations subject to heavy vehicle construction traffic movements and high pedestrian activity.	Section 3.6
6	Provide details of construction program detailing the anticipated construction duration and highlighting significant and milestone stages and events during the construction process.	Section 4.1.1
7	Provide details of anticipated peak hour and daily construction vehicle movements to and from the site.	Section 5.1
8	Provide details of on-site car parking and access arrangements for construction vehicles, construction workers, emergency vehicles and service vehicle.	Section 5.4
9	Provide details of temporary cycling and pedestrian access during the construction.	Section 5.3 Section 7.1.6 Section 7.1.7
10	Provide haulage routes for construction vehicles.	Section 4.1.6
	Transport for NSW	
11	Proposed operational arrangements for all vehicles, pedestrians and cyclists, and measures to mitigate impacts.	Section 6
12	Details of access arrangements for emergency vehicles and protocols for emergencies.	Section 7.1.11
13	Details of loss of parking in Broomfield St (permanent and temporary) and alternate parking provision.	Section 5.4 Section 6.1.4

Item	Comments	Addressed in Section
14	Illustrate how the existing walking and cycling networks will be maintained across Cabramatta Creek and at the Sussex Street underpass during construction of the new bridges.	Section 5.3 Section 7.1.6 Section 7.1.7
15	Pedestrian and bicycle rider movements should be maintained along footways and shared paths, with adequate safety and diversion measures provided if required.	Section 5.3 Section 7.1.6 Section 7.1.7
16	Include a preliminary Construction Traffic and Pedestrian Management Plan.	Preliminary CTMP guide provided in section 7.1
17	Details of construction staging and coordination of possessions with Sydney Trains, including any potential for freight access to Sydney Trains network during an ARTC possession.	Section 1.3 with details in the EIS
18	Plans demonstrating how all vehicles associated with construction and operation can be accommodated on the site to avoid queuing in the street network.	Section 7.1.5
19	Construction impacts on the existing and future public transport network, pedestrian and bicycle networks.	Section 4
20	Swept path diagrams for vehicles entering, exiting and manoeuvring throughout the site.	Section 7.1.5
21	Address the relevant planning provisions, goals and strategic planning objectives in the listed strategies and guidelines.	Not applicable
22	Consult with Transport for NSW, Roads and Maritime Services and Sydney Trains during the preparation of the assessment.	To be completed during detailed design

1.4 Structure of this report

The structure of the report is outlined below.

- Section 1 – provides an introduction to the report
- Section 2 – describes the methodology for the assessment, including the legislative and policy context for the assessment, relevant guidelines and any assumptions and limitations
- Section 3 – describes the existing conditions of the road network, traffic volumes, parking conditions and public (i.e. rail/bus) and active (i.e. walking and cycling) transport options
- Section 4 – describes the project as relevant to the traffic, transport and access impact assessment
- Section 5 – describes the construction traffic, transport and access impacts associated with the project
- Section 6 – describes the traffic, transport and access impacts associated with operation of the project
- Section 7 – provides mitigation measures for the impacts identified
- Section 8 – presents the conclusions and recommendations of the assessment.

2. Methodology, policies and assumptions

2.1 Methodology

While this proposed project will not generate any additional road traffic at the operation stage, construction traffic will be generated and assessed according to the above guidelines. The methodology for this assessment is as follows:

- Review and report upon the **existing conditions** (see section 3) for traffic, parking and active transport including operations of major intersections that are assumed to be subject to significant traffic during construction. The study area for the assessment includes all local and state roads that would be affected by the proposal. These include Hume Highway and Cabramatta Road East, which act as key arterial road links that provide access / egress to local roads adjacent to works sites. Key local Roads within the study area that provide direct access to works sites are Broomfield Street, Junction Street and Liverpool Street, Sappho Road and Mannix Parade.

  The purpose of the existing conditions assessment is to document the current operations within the study area as a point of reference for comparison to the construction and operational stages. Information gathered for the assessment includes:

  - existing traffic turn counts for major intersections along the anticipated Haulage routes
  - parking utilisation surveys to determine existing utilisation of parking spaces for Broomfield Street, First Avenue and Warwick Farm Station
  - bicycle and pedestrian counts on the shared path network along Broomfield Street (south of Cabramatta Road east)
  - crash history on the proposed routes within proximity of the site (i.e. Broomfield Street)
  - existing public transport services in the study area (Bus and train services).
- Carry out a **construction traffic impact assessment** (see section 4) as follows:
  - desktop review of proposed construction routes for suitability for use by construction vehicles
  - estimate peak hour construction traffic generated by the worksites based on the number of workers, possession times and on information provided by these
  - estimate peak parking impacts associated with the construction activities
  - assess parking demand and controls at the railway stations around the construction site based on parking utilisation based upon on-site surveys
  - assess impacts on pedestrians, bicycle riders, bus users and other vulnerable users due to construction, based on pedestrian and cycle survey information
  - assess impacts on intersection performance as a result of the peak construction activities using SIDRA 7 analysis for identified intersections.
- Carry out an **operational traffic, transport and access impact assessment** (see section 6) as follows:
  - estimate parking impacts associated with proposed project post construction with reference to existing conditions
  - estimate impacts to traffic, pedestrians, bicycle riders and bus users post construction.
- Determine mitigation measures for any impacts identified in the assessment.

2.2 Legislative and policy context to the assessment

The following documents are referenced in the SEARs for this project and were considered where relevant to the assessment:

- Guide to Traffic Management – Part 3 Traffic Studies and Analysis (Austroads, 2007)
- *Guide to Traffic Generating Developments Updated Traffic Surveys* (Roads and Maritime, 2013)
- Cycling Aspects of Austroads Guides (Austroads, 2014)
- *NSW Bicycle Guidelines v 1.2* (RTA, 2005)
- *Planning Guidelines for Walking and Cycling* (DIPNR, 2004)
- *NSW Sustainable Design Guidelines Version 3.0* (Transport for NSW, 2013)
- Australian Standards AS1742.3 – Traffic Control for Works on Roads (2009)
- Roads and Maritime Services *Traffic Modelling Guidelines* (2013)
- Roads and Maritime Services *Traffic Control at Worksites Manual* (Version 5.0 – 2018)
- Transport for NSW website Bus route and timetables (30 January 2019)

Additionally, the assessment referred to *The Traffic Modelling Guidelines* (Roads and Maritime Services, 2013) which were developed to provide consistency in traffic modelling practice. The intersection modelling carried out for this traffic, transport assessment aligns with the Traffic Modelling Guidelines, by including the following broad steps:

- select of computer software models (SIDRA) used for similar projects for similar intersection modelling purposes
- calibrate models under existing conditions using available current traffic survey data
- apply anticipated construction traffic demands to identify potential impacts on intersections
- develop mitigation measures if considered necessary.

The following documents were also referenced in the SEARs, and have been considered in the EIS with reference to the strategic need and development of the project:

- *Future Transport 2056* (Transport for NSW, 2018)
- *Draft NSW Freight and Ports Plan* (this has been superseded by the *NSW Freight and Ports Plan 2018 – 2023* (Transport for NSW, 2018a)).

2.3 Assumptions and limitations

This assessment is based on the following assumptions:

- Intersection survey counts for the AM and PM peak periods, conducted on 23 October 2018, and 22 and 24 November 2018, by Matrix Traffic and Transport Data Pty Ltd.
- An intersection survey at Sappho Road/Hume Highway intersection was also carried out by Matrix Traffic and Transport Data Pty Ltd on 24 November 2018 during the Saturday peak period. Sappho Road/Hume Highway intersection provides access and egress to car sales establishments which may have more vehicle movements (when compared to other intersections) during the Saturday period.
- Traffic surveys were undertaken and the assessment was based on traffic volumes during peak hours on weekdays as these are considered representative of the worst case scenario. Surveys were also undertaken during the Saturday period for the Sappho Road/Hume Highway intersection due to the potential influence on increase weekend traffic

activity associated with commercial operations such as the car sales establishments and Hometown Warwick Farm.

- Traffic distribution assumptions in relation to arrival and departure profiles and routes through the network are based on the traffic survey results.
- It was deemed suitable for this analysis to undertake a parking utilisation survey for one typical weekday to be representative of typical parking utilisation close to the project site. No side roads to Broomfield Street were included as part of the scope for this assessment.

This study has been limited by the following:

- The analysis is a desktop study and no site visits have been undertaken, with the exception of the parking, cycle and intersection traffic surveys undertaken by Matrix Traffic and Transport Data Pty Ltd
- The conditions of the surrounding network are based on information supplied by the traffic surveys and from Google Maps/Streetview and wider environmental team from GHD.
- Trip generation rates for construction vehicle movement, work hours, haulage routes and number of workers has been estimated and discussed in section 5. The information provided is assumed to be true and accurate and GHD will not take any responsibility for the input data supplied.
- Traffic distribution has been assumed to be evenly distributed throughout the road network during peak periods as discussed in section 5.

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3. Existing conditions

This section provides a description of the existing road network surrounding the site.

3.1 Road hierarchy

Roads within NSW are categorised in the following two ways:

- by classification (ownership)
- by the function that they perform.

3.1.1 Road classification

Roads are classified (as defined by the *Roads Act 1993*) based on their importance to the movement of people and goods within NSW (as a primary means of communication).

The classification of a road allows Roads and Maritime Services (Roads and Maritime) to exercise authority of all or part of the road. Classified roads include main roads, state highways, tourist roads, secondary roads, tollways, freeways and transitways.

For management purposes, Roads and Maritime has three administrative classes of roads. These are:

- **State roads** – major arterial links through NSW and within major urban areas. They are principle traffic carrying roads and are fully controlled by Roads and Maritime, with maintenance fully funded by Roads and Maritime. State roads include all tollways, freeways and transitways; and all or part of a main road, tourist road or state highway.
- **Regional roads** – roads of secondary importance between state roads and local roads which, with state roads, provide the main connections to and between smaller towns and perform a sub arterial function in major urban areas. Regional roads are the responsibility of councils for maintenance funding, though Roads and Maritime funds some maintenance based on traffic and infrastructure. Traffic management on regional roads is controlled under delegations to local government from Roads and Maritime. Regional roads may contain all or part of a main road, secondary road, tourist road or state highway; or other roads as determined by Roads and Maritime.
- **Local roads** – the remainder of the council controlled roads. Local roads are the responsibility of councils for maintenance funding. Roads and Maritime may fund some maintenance and improvements based on specific programs (eg urban bus routes, road safety programs). Traffic management on local roads is controlled under delegations to local government from Roads and Maritime.

3.1.2 Functional hierarchy

Functional road classification involves the relative balance of the mobility and access functions. Roads and Maritime defines four levels in a typical functional road hierarchy, ranking from high mobility and low accessibility, to high accessibility and low mobility. These road classes are as follows:

- **Arterial roads** – generally controlled by Roads and Maritime, typically no limit in flow and designed to carry vehicles long distance between regional centres.
- **Sub arterial roads** – can be managed by either Roads and Maritime or local council. Their operating capacity typically ranges between 10,000 and 20,000 vehicles per day, and their aim is to carry through traffic between specific areas in a sub region, or provide connectivity from arterial road routes (regional links).

- **Collector roads** – provide connectivity between local roads and the arterial road network and typically carry between 2,000 and 10,000 vehicles per day.
- **Local roads** – provide direct access to properties and the collector road system and typically carry between 500 and 4,000 vehicles per day.

The surrounding road network is shown on Figure 3.1.

Figure 3.1 Surrounding road network

3.2 Existing road network

The key arterial road that links to and from connector roads to the site is the Hume Highway. The Hume Highway allows the entry and exit of traffic to the site at a number of locations, primarily at Cabramatta Road East and Mannix Parade. Key local roads within the study area that are adjacent to the works sites include Broomfield Street, Junction Street, Liverpool Street Mannix Parade and Sappho Road.

The roads within the study area are described in more detail in the sections below.

3.2.1 Hume Highway

Hume Highway functions as an arterial road, and is the key link for construction traffic to move in and out from the site.

The key features of the Hume Highway within proximity of the site are outlined in Table 3.1.

Table 3.1 Hume Highway key features

Feature	Description
Carriageway	• Divided by central concrete median with predominantly three lanes in each direction (with some sections that provide two lane directional travel) • A right turning lane is provided at the Cabramatta Road East intersection eastern approach, at Liverpool Street intersection north eastern approach, at the Sappho Road intersection north eastern approach and at the Mannix Road intersection eastern approach.
Parking	• No parking is permitted on either side of the Hume Highway
Speed limit	• Signposted 70 km/h.
Pedestrian facilities	• Concrete footpaths are provided on each side of the Hume Highway
Bicycle facilities	• Small section of shared path exists on the southern side of Hume Highway between Governor Macquarie Drive and just north of Sappho Road.
Public transport	• Warwick Farm Railway Station is located on the southern side of the Hume Highway. • Bus route 904 services the Hume Highway. • Stops are spaced approximately 200 – 400 m apart (at built up locations) • Access stairs to Warwick Farm Station are located on the southern side of the Hume Highway railway bridge crossing
Load limits	• No identified load limit

3.2.2 Broomfield Street

Broomfield Street functions as a collector road that runs adjacent to the eastern side of the T2/T5 railway line. It is a key road utilised by commuters to access Cabramatta Rail Station and for residents and business owners to access local businesses near the station. On street parking is provided for the use of residents and commuters.

The key features of Broomfield Street within the proximity of the site are outlined in Table 3.2.

Table 3.2 Broomfield Street key features

Feature	Description
Carriageway	• Divided by broken line with one lane in each direction south of Cabramatta Station. • Divided by continuous solid line with one lane in each direction north of Cabramatta Station. • A right turning lane is provided at the Broomfield Street/Cabramatta Road East intersection southern approach.
Parking	• 30° parking on the western side and south of Boundary Lane for about 200 m. • 30° parking on the western side and north of Longfield Street for about 200 m. • 2P parallel parking is provided on the western side within 300 m of Cabramatta Station. • Three accessible parking bays on the western side within 50 m of Cabramatta Station. • 1P parallel parking is provided on the eastern side within 100 m of Cabramatta Station. • 1/2P parallel parking is provided on the eastern side directly adjacent to Cabramatta Station.
Taxi zone	• Two taxi zone spaces on the western side, immediately north of the station.
Kiss and ride	• Two kiss and ride spaces located on the western side, just north of the station.
Speed limit	• Signposted 50 km/h. • Signposted 40 km/h within 200 m of the town centre.
Pedestrian facilities	• Shared path is provided on the western side south of Cabramatta Station. • Footpath is provided on the eastern side.
Bicycle facilities	• Shared path is provided on the western side south of Cabramatta Station. • Painted bicycle symbols on road about 150 m north of Cabramatta Station. • Five formal bike racks adjacent to the station.
Public transport	• Cabramatta Railway Station is located on the western side of Broomfield Street. • Bus route S1 services Broomfield Street. • One stop is located adjacent to Cabramatta Station on the western side of Broomfield Street. • One stop is located outside of Cabravale Leisure Centre (to the west) on the eastern side of Broomfield Street.
Load limits	• No identified load limit.

3.2.3 Cabramatta Road East

Cabramatta Road East is a sub arterial road forming part of Cabramatta Road, positioned east of the T2/T5 railway line. Cabramatta Road East provides a link between the Cabramatta town centre, the Cabramatta Rail Station (located east of the town centre) and the Hume Highway (to the east).

The key features of Cabramatta Road East within the proximity of the site are outlined in Table 3.3.

Table 3.3 Cabramatta Road East Street key features

Feature	Description
Carriageway	• Divided by double solid line with two lanes in each direction. • Turning lanes are provided at the intersections of Cabramatta Road East/Cumberland Street and Cabramatta Road/Lovoni Street.
Parking	• No Stopping on the northern and southern side from Cabramatta Station to Cabramatta Road East/Cumberland Street. • No Parking 3:00 pm to 7:00 pm on the northern side east of the Cabramatta Road East/Cumberland Street intersection. • No Parking on the southern side between Cabramatta Road East/Cumberland Street and Cabramatta Road East/Levuka Street. • No Stopping on the southern side from Cabramatta Road East/Levuka Street eastwards.
Taxi zone	• No Taxi Zone.
Kiss and ride	• One kiss and ride space located on the southern side, just east of the station.
Speed limit	• Signposted School Zone 40 km/h 8:00 am – 9:30 am and 2:30 pm – 4:00 pm during school days beginning 100 m from Cabramatta Public School. • 60 km/h signposted speed limit.
Pedestrian facilities	• Footpaths provided on both sides of the road.
Bicycle facilities	• No designated bicycle facilities.
Public transport	• Cabramatta Station is located to the western end. • Bus stop shelter is provided on the southern side outside of Cabramatta Public School.
Load limits	• No identified load limit.

3.2.4 First Avenue

First Avenue is a local no-through road providing access to Canley Vale Station and a residential area to the north of the train line. First Avenue has one lane running in each direction.

The key features of First Avenue within the proximity of the site are outlined in Table 3.4.

Table 3.4 First Avenue key features

Feature	Description
Carriageway	• Divided by double solid line with one lane in each direction approaching Bareena Street/First Avenue T-intersection. • No lines dividing the lanes within vicinity to Canley Vale Station.
Parking	• No Stopping 140 m north of Bareena Street/First Avenue T-intersection on the western and eastern side. • 90° parking provided outside of Canley Vale Station on the western side. • 2P 8:30 am – 6:00 pm parallel parking provided outside of Canley Vale Station on the northern side.
Taxi zone	• No Taxi Zone.
Kiss and ride	• One kiss and ride space located on the eastern side, just south of the station

Feature	Description
Speed limit	• Signposted School Zone 40 km/h 8:00 am – 9:30 am and 2:30 pm – 4:00 pm during school days beginning about 60 m from Pal Buddhist School. • 50 km/h signposted speed limit.
Pedestrian facilities	• Footpath available on the western side, becoming a shared path on approach to Canley Vale Station access although becomes truncated thereafter. • No designated footpaths on the eastern side.
Bicycle facilities	• Bike racks are provided outside of Canley Vale Station. • Shared path provided on approach to Canley Vale Station.
Public transport	• Canley Vale Station located to the northwest of the street.
Load limits	• No identified load limit.

3.2.5 Mannix Parade

Mannix Parade is a local road intersecting the Hume Highway in the south and Lawrence Hargrave Road in the north. It provides access to the residential area of Warwick Farm.

The key features of Mannix Parade within the proximity of the site are outlined in Table 3.5.

Table 3.5 Mannix Parade key features

Feature	Description
Carriageway	• Divided by double solid line with one lane in each direction. • Right turning lane is provided at the Hume Highway/Mannix Parade T-intersection.
Parking	• No Stopping on either side. • Access to local businesses car park is provided.
Taxi zone	• No Taxi Zone.
Kiss and ride	• No kiss and ride facility.
Speed limit	• Default 50 km/h.
Pedestrian facilities	• Footpath available on either side.
Bicycle facilities	• No dedicated bicycle facilities.
Public transport	• Bus stop located on the eastern side servicing Route 823.
Load limits	• No identified load limit.

3.2.6 Liverpool Street

Liverpool Street is a local road, located about 100 metres to the east of the project. To the east, it forms a priority controlled intersection with Hume Highway. To the west, it provides connectivity to Broomfield Street via National Street and Sussex Street. The land use along Liverpool Street is primarily residential in nature.

The key features of Liverpool Street within the proximity of the site are outlined in Table 3.6.

Table 3.6 Liverpool Street key features

Feature	Description
Carriageway	• Default one lane in each direction with painted broken line followed by double continuous lines within 100 m of the T-intersection with National Street. Double solid line within 50 m of the T-intersection with Hume Highway.
Parking	• No restrictions to on-street parking.
Taxi zone	• No Taxi Zone.
Kiss and ride	• No kiss and ride facility.
Speed limit	• Default speed limit of 50 km/h.
Pedestrian facilities	• Dedicated footpath is provided on the south side of the street.
Bicycle facilities	• No dedicated cycling facilities.
Public transport	• No dedicated public transport facilities.
Load limits	• No identified load limit.

3.2.7 Junction Street

Junction Street is a local road running in an east–west direction. It directly links Broomfield Street to the Hume Highway. The land use along Junction Street is primarily residential in nature.

The key features of Junction Street within the proximity of the site are outlined in Table 3.7.

Table 3.7 Junction Street key features

Feature	Description
Carriageway	• Default one lane in each direction. Separated by double solid line within 25 m of Broomfield Street/Junction Street intersection.
Parking	• No restrictions to on-street parking.
Taxi zone	• No Taxi Zone.
Kiss and ride	• No kiss and ride facility.
Speed limit	• Default speed limit of 50 km/h.
Pedestrian facilities	• Dedicated footpath is provided on the south side of the street.
Bicycle facilities	• No dedicated cycling facilities.
Public transport	• No dedicated public transport facilities.
Load limits	• No identified load limit.

3.3 Existing freight routes

The Roads and Maritime Services Restricted Access Vehicle Map identifies the following approved freight routes to accommodate vehicles up to the size of a 26 m B-Double as shown in Figure 3.2.

- Hume Highway
- Cabramatta Road East

Access to the site is to utilise such approved road network minimising impact to the local road network. Heavy vehicle access routes are defined in section 4.1.6.

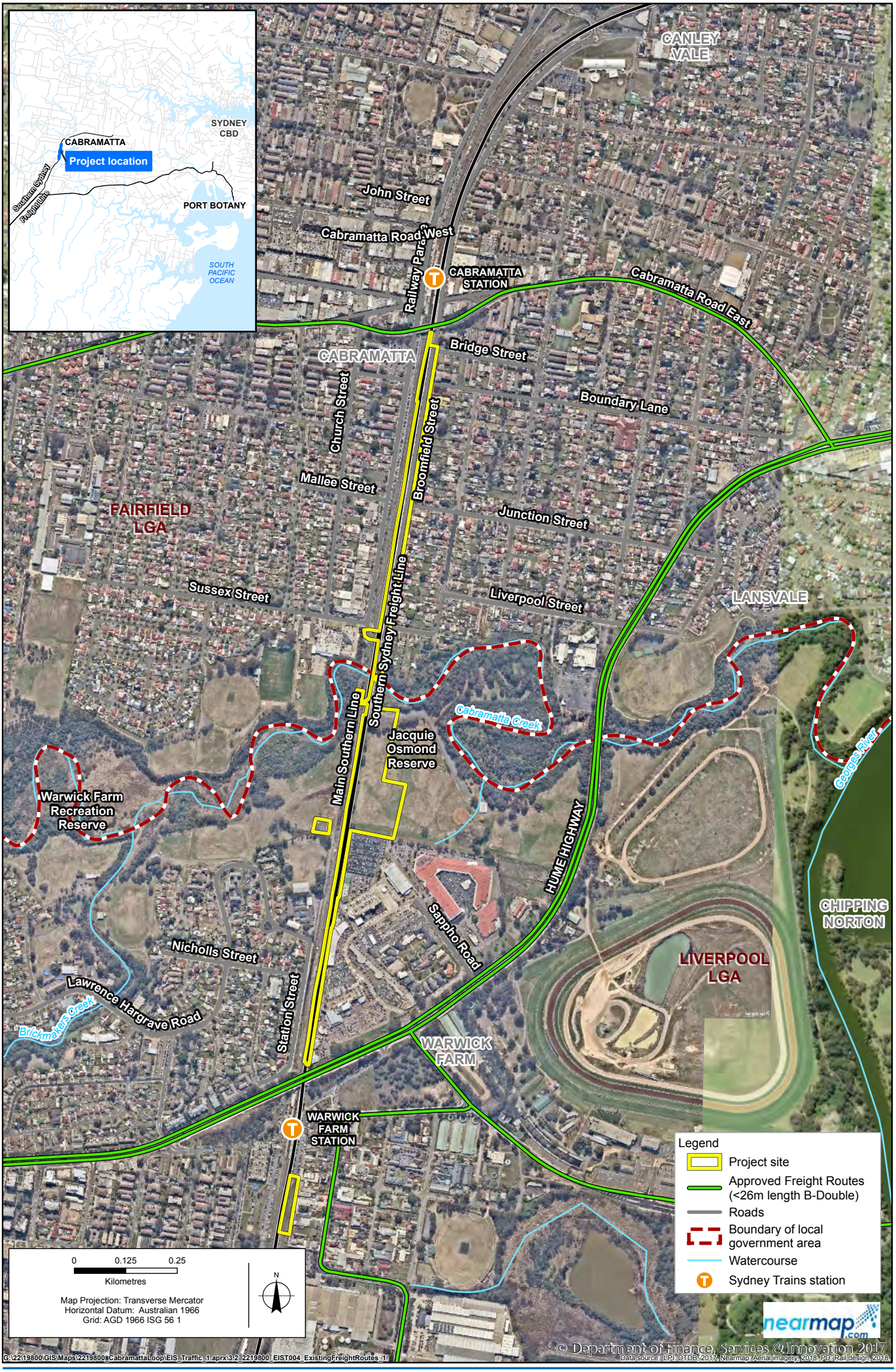

Figure 3.2 Existing freight routes

3.4 Performance of existing road network

This section provides an understanding of current traffic volumes, traffic characteristics and operational performance of key intersections.

3.4.1 Peak hour traffic volumes

Traffic surveys were undertaken during periods indicated below to capture and determine the peak hour period and key intersections on the major road network.

GHD engaged Matrix Traffic and Transport Data Pty Ltd to undertake intersection traffic turning counts on 23 October 2018. Traffic surveys are generally taken for a three hour period to capture the peak hour morning and evening traffic counts. The surveys for this assessment were undertaken during the following time periods which are based on an understanding of typical peak traffic periods on urban roads in Sydney:

- Weekday AM peak (three hours): 6:30 am to 9:30 am
- Weekday PM peak (three hours): 3:30 pm to 6:30 pm.

An intersection survey at Sappho Road/Hume Highway intersection was also carried out by Matrix Traffic and Transport Data Pty Ltd on 22 and 24 November 2018 during the following time periods:

- Weekday AM peak (three hours): 6:30 am to 9:30 am
- Weekday PM peak (three hours): 3:30 pm to 6:30 pm
- Saturday peak (three hours) 11:30 am to 2:30 pm.

Sappho Road/Hume Highway intersection provides access and egress to car sales establishments and Hometown Warwick Farm, which may have more vehicle movements (when compared to other intersections) during the Saturday period.

Intersection turning count surveys were performed at intersections within the immediate vicinity of the site, which included the following intersections, as illustrated on Figure 3.3.

- Hume Highway and Mannix Parade
- Lawrence Hargrave Road and Nicholls Street
- Lawrence Hargrave Road and Mannix Parade
- Hume Highway and Junction Street
- Hume Highway and Liverpool Street
- Broomfield Street and Cabramatta Road East
- Hume Highway and Cabramatta Road East
- Sappho Road and Hume Highway.

The above intersections were selected for survey and review following consideration of the potential project impacts including:

- major road network and intersections along the construction haulage routes
- road classifications and hierarchy (including traffic volumes)
- major intersections and their controlled form (e.g. signalled, roundabout, priority)
- peak traffic periods.

Figure 3.3 Intersection traffic surveys locations

Detailed traffic survey data is provided in Appendix A and was used to determine key peak hour periods during the AM, PM and Saturday periods. This data was analysed to determine existing intersection operational performance and during construction.

The traffic surveys undertaken indicated the following network peak hour periods adjacent to the subject site:

- weekday AM peak: 7:30 am to 8:30 am
- weekday PM peak: 16:30 pm to 17:30 pm
- Saturday peak: 12:30 pm to 13:30 pm.

These peak periods were adopted for assessment of impacts on the surrounding road network for worst-case scenario. Although, it should be acknowledged that peak arrival and departures of construction workers to and from the site is likely to occur outside the road network peak.

In addition, the classification of roads within a network can be used as an indication of the functional role each road plays with respect to the volume of traffic they should appropriately carry. Roads and Maritime has developed a set of road hierarchy classifications, detailed in Table 3.8, which indicate typical nominal average annual daily traffic (AADT) volumes for the various classes of roads.

Table 3.8 Functional classification of roads

Location	Traffic Volume (veh/d*)	Peak Hour Volume (veh/h*)
Motorway/freeway	>15,000	>5,600
Arterial road	>15,000	1,500 – 5,600
Sub arterial road	5,000 – 20,000	500 – 2,000
Collector road	2,000 – 10,000	200 – 1,000
Local road	<2,000	0 – 200

Source: NSW Roads and Maritime Service (formerly NSW RTA), *Road Design Guide and AMCORD*

*Note veh/d = vehicles per day, veh/h = vehicles per hour

Table 3.9 summarises the weekday peak hour traffic volumes obtained via the surveys, in the study area. Table 3.10 summarises the Saturday peak mid-block volumes in each direction on Sappho Road. Note that only Saturday peak volumes were taken for Sappho Road due to the influence that the car sales establishments may have on increased vehicle movements on this road when compared to other surrounding road networks.

Table 3.9 Mid-block traffic volumes (Weekday)

Location	Road classification	Direction	AM Peak Hour (veh/h)*	PM Peak Hour (veh/h)*
Hume Highway – between Mannix Road and Sappho Road	Arterial road	Eastbound	2,150	1,890
		Westbound	1,650	1,885
		Total	***3,800***	***3,775***
Cabramatta Road East	Sub arterial	Northbound	390	935
		Southbound	840	800
		Total	***1,230***	***1,735***
Broomfield Street	Local road	Northbound	135	140
		Southbound	150	160
		Total	***285***	***300***
Mannix Parade	Local road	Northbound	125	120
		Southbound	165	135
		Total	***290***	***255***
Lawrence Hargrave Road	Local road	Northbound	80	80
		Southbound	65	65
		Total	***145***	***145***
Sappho Road	Local road	Northbound	205	275
		Southbound	45	200
		Total	***250***	***475***

Table 3.10 Mid-block traffic volumes (Saturday)

Location	Road classification	Direction	Saturday Peak Hour (veh/h)*
Sappho Road	Local road	Northbound	205
		Southbound	465
		Total	***670***

Notes: (*) veh/h = vehicles per hour

The peak hour traffic volumes generally fall within the criteria provided in Table 3.8 for the relevant classification for the road network close to the subject site, based on the survey results outlined in Table 3.9 and Table 3.10.

Comparing the weekday AM and PM peak hour volumes at each location, volumes are typically similar, apart from Cabramatta Road East, where the PM peak has significantly higher volumes than the AM peak.

It can also be seen in Table 3.10 that the Saturday peak total volume at Sappho Road is higher than the weekday peak, which is assumed to be as a result of the high density commercial activities accessed via Sappho Road (ie car sales yards and retail establishments).

3.4.2 Heavy and light vehicle ratio

The average heavy vehicle percentage for major roads within the immediate vicinity of the site is outlined in Table 3.11, based on the traffic survey data. These roads are reported as they carry significant heavy vehicle volumes.

Table 3.11 Peak hour heavy vehicle ratio

Location	% Heavy Vehicles	
	AM	PM
Hume Highway	5%	4%
Cabramatta Road (East)	3%	3%
Broomfield Street	3%	1%

The data in Table 3.11 indicates that heavy vehicles constitute one per cent to five per cent of the overall traffic volumes.

3.4.3 Intersection performance

The performance of the existing road network is largely dependent on the operational performance of key intersections, which are critical capacity control points. SIDRA 8 intersection modelling software was used to assess the peak hour operational performance of the intersections within immediate proximity of the site.

The criteria for evaluating the operational performance of intersections is provided by the *Guide to Traffic Generating Developments* (Roads and Maritime Services, 2002) and are reproduced in Table 3.12. The criteria for evaluating the operational performance of intersections is based on a qualitative measure (ie Level of Service (LoS)), which is applied to each band of average vehicle delay.

Table 3.12 LoS criteria for intersections

Level of Service	Average Delay per Vehicle (seconds/veh)	Traffic Signals, Roundabouts	Give Way and Stop Signs
A	< 14	Good operation	Good operation
B	15 to 28	Good with acceptable delays and spare capacity	Acceptable delays and spare capacity
C	29 to 42	Satisfactory	Satisfactory, but accident study required
D	43 to 56	Operating near capacity	Near capacity and accident study required
E	57 to 70	At capacity; at signals, incidents will cause excessive delays. Roundabouts require other control modes	At capacity, requires other control mode
F	> 70	Over capacity Unstable operation	Over capacity Unstable operation

Source*: Guide to Traffic Generating Developments (Roads and Maritime Services, 2002)*

Existing (base 2018) traffic models were developed using the AM and PM weekday peak hour surveyed data and the Saturday peak hour data at the Sappho Road/Hume Highway intersection as identified in section 3.3 above. Existing traffic flows at key intersections were analysed using SIDRA 8 as isolated intersections to obtain the current operating performance. As the analysed intersections were separated by a significant distance, it was not deemed necessary to model under network conditions. A summary of the results is outlined in Table 3.13 (Weekday) and Table 3.14 (Saturday) and detailed in Appendix B.

Table 3.13 Existing intersection operations (Weekday)

Intersection	AM Peak				PM Peak			
	Average Delay* (s)	LoS	Control Type	Degree. of Saturation*	Average Delay* (s)	LoS	Control Type	Degree. of Saturation*
Site 1: Hume Highway/ Mannix Parade	25	B	Signal	0.882	30	C	Signal	0.929
Site 2: Lawrence Hargrave Road/ Nicholls Street	8	A	Roundabout	0.056	8	A	Roundabout	0.055
Site 3. Lawrence Hargrave Road/ Mannix Parade	7	A	Roundabout	0.098	7	A	Roundabout	0.082
Site 4: Hume Highway/Junction Street	8	A	Priority	0.36	7	A	Priority	0.485
Site 5: Hume Highway/ Liverpool Street	150+	F	Priority	1.0+	150+	F	Priority	1.0+
Site 6: Sappho Road/Hume Highway (Weekday)	8	A	Signal	0.534	13	A	Signal	0.523
Site 7: Broomfield Street/ Cabramatta Road East	13	A	Signal	0.222	12	A	Signal	0.242
Site 8: Hume Highway/ Cabramatta Road East	26	B	Signal	0.688	26	B	Signal	0.810

Table 3.14 Existing intersection operations (Saturday)

Intersection	Saturday Peak			
	Average Delay* (s)	LoS*	Control Type	Degree. of Saturation*
Site 6: Sappho Road/ Hume Highway	19	B	Signal	0.846

* Notes:

- The average delay for priority-controlled intersections is selected from the movement on the approach with the highest average delay.
- The level of service for priority-controlled intersections is based on the highest average delay per vehicle for the most critical movement.
- The degree of saturation (Degree of Saturation) is defined as the ratio of the arrival flow (demand) to the capacity of each approach.
- Average delay is given in seconds per vehicle.

Table 3.13 shows that each of the signalised intersections and roundabouts analysed currently operates with an acceptable LoS (ie better than LoS E) with spare capacity in both the weekday morning and evening peak periods. The right turn movement from Hume Highway into Liverpool Street at the priority controlled intersection was shown to operate at LoS F both in the morning and evening peak periods, with delays occurring in the minor roads which are require to give way to high traffic volumes on the Hume Highway.

Table 3.14 shows that the Sappho Road/Hume Highway intersection operates satisfactorily for the weekend peak hour (LoS B).

Detailed SIDRA results of these intersections are provided in Appendix B.

3.5 On and off street parking

Cabramatta Station area

Designated on street parking is typically provided on Broomfield Street, which is considered within typical walking distance (within 800 metres) to the Cabramatta Railway Station and to the town centre. The on street parking is provided for a number of users including commuters, business owners, residents and visitors to Cabramatta town centre. Parking is provided on both sides of Broomfield Street, with time restrictions for parking predominantly between Cabramatta Road East and Fisher Street. It is assumed that visitors and shoppers in Cabramatta are likely to use the time restricted parking for short stays, whereas the unrestricted parking spaces are likely utilised predominantly by commuters and residents.

Within the Cabramatta town centre via Dutton Lane (west of the station), off street parking is provided predominately to service local business activity associated with the town centre. Additionally on the eastern side of the station is a multi-story car parking facility accessed via Fisher Street and a small at grade car park accessed via Cumberland Street.

Canley Vale Station area

Canley Vale Station is predominately serviced by on street parking on First Avenue (east of the station). An off street car parking facility is also available west of the station to service the Canley Vale town centre and potential commuters.

Warwick Farm Station area

Warwick Farm Station is predominately serviced by a multi-storey off street parking facility on the western side of the station. This is supported by at grade parking areas on both the eastern and western sides adjacent to the station. Additionally there is angle on-street parking available in Hart Street on the western side of the station

Parking survey extent

Surveys of existing parking utilisation were undertaken to provide an understanding of the existing parking situation at the site and the impact that the proposal would likely have on the surrounding road network.

Parking utilisation surveys at the site were undertaken by Matrix Traffic and Transport Data Pty Ltd on Tuesday 23 October 2018 from 7:00 am to 7:00 pm. It was deemed suitable for this analysis to undertake a parking utilisation survey for one typical weekday to be representative of typical parking utilisation patterns seen on Broomfield Street (key area of project works). Details of the surveyed data and location map can be found in Figure 3.4.

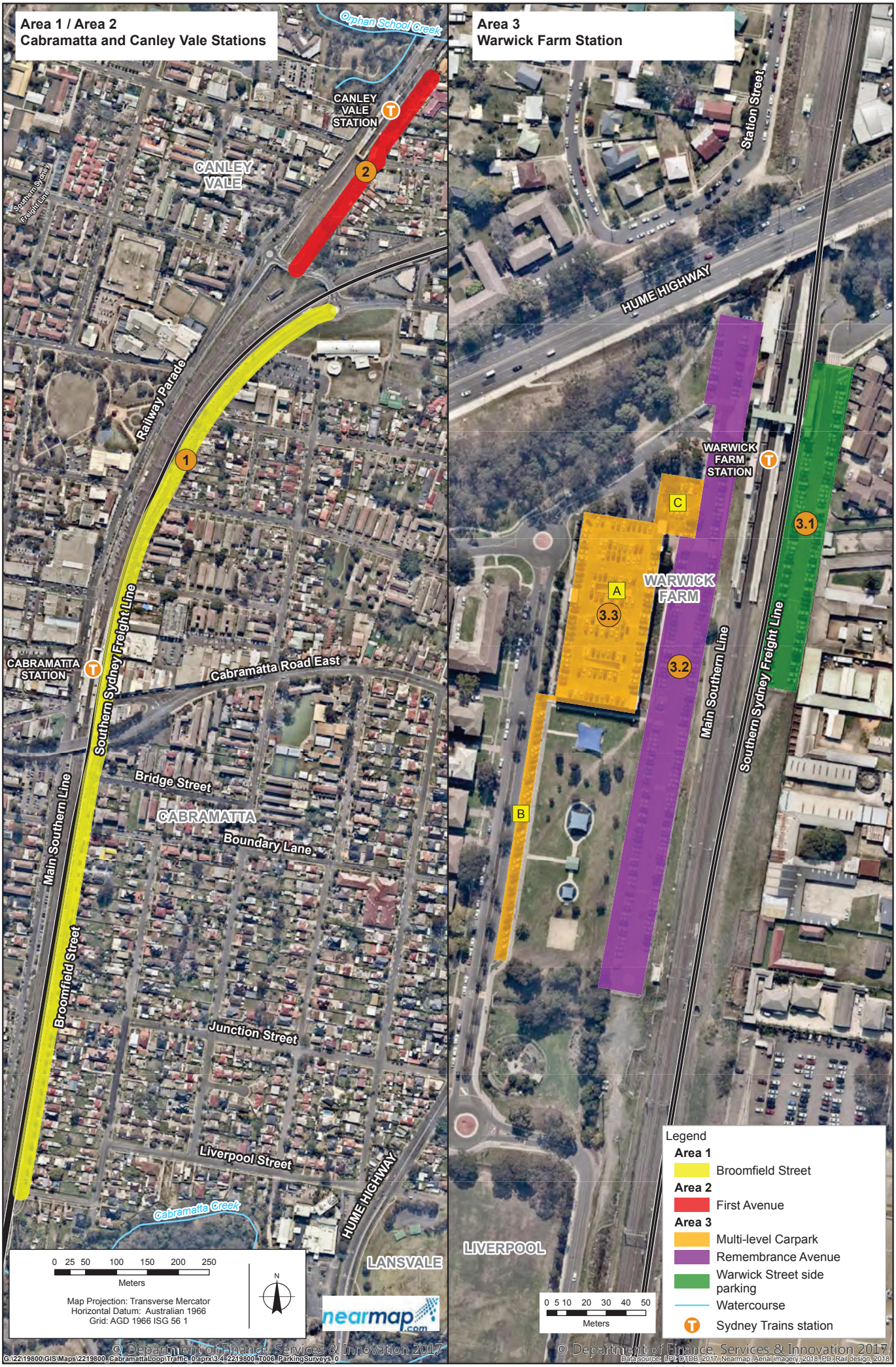

Figure 3.4 Parking survey extent

Broomfield Street is considered the key area to potentially be impacted during construction and therefore the analysis concentrates predominately on this area. Side roads were not included as part of this assessment as it does not form part of the area of impact associated with the construction of the project.

It was estimated that 379 parking spaces were available on Broomfield Street. A breakdown of the parking provisions is outlined in Table 3.15.

Table 3.15 Broomfield Street on-street parking provision breakdown

Side of Street	Between	Restrictions	Applicable Hours	Capacity	Utilisation
East	Cabramatta Rd & Fisher St	1/2 P	8:30 am - 18:00 pm	2	100%
		Loading Zone	-	2	100%
		1P	8:30 am - 18:00 pm	7	100%
		1P	8:30 am - 18:00 pm	6	100%
	Fisher St & Longfield St	No Restriction	-	14	100%
	Longfield St & Curtin St	No Restriction	-	14	100%
	Curtin St & Bareena St	No Restriction	-	11	73%
		Bus Zone	9:00 am - 15:00 pm (Mon-Fri)	4	-
			9:00 am - 18:00 pm (Sat-Sun)		
		No Restriction	-	10	0%
	Total North of Cabramatta Station			70	74%
	Sussex St & #170 Broomfield St	No Restriction	-	12	42%
	#170 Broomfield St & Junction St	No Restriction	-	22	9%
	Junction St & Boundary Ln	No Restriction	-	31	87%
	Bridge St & Cabramatta Rd	2P	8:30 am - 18:00 pm (Mon-Fri)	8	88%
		1/2 P	8:30 am - 18:00 pm	5	100%
	Total South of Cabramatta Station			78	58%
West	Bareena St & #170 Broomfield St	No Restriction	-	5	80%
		No Restriction	45 Angle Parking Rear to Kerb Under 6 m Vehicle	47	100%
		No Restriction	Parallel Parking	41	93%
		Taxi Zone	-	2	
		Mail Zone	-	1	
	Total North of Cabramatta Station			96	91%
	Bareena St & #170 Broomfield St	Disabled Parking	-	3	100%
		2P	8:30 am - 18:00 pm	9	100%
		No Restriction	Parallel Parking	15	100%
		No Restriction	45 Angle Parking Rear to Kerb Under 6 m Vehicle	41	100%

Side of Street	Between	Restrictions	Applicable Hours	Capacity	Utilisation
		No Restriction	-	53	43%
	#170 Broomfield St & Sussex St	No Restriction	-	14	14%
	Total South of Cabramatta Station			135	68%
Total Parking Provision Broomfield Street				**379**	**72%**

A summary of the percentage weekday parking utilisation for each car parking area is shown on Figure 3.5 (Broomfield Street) and Figure 3.6 (Warwick Farm and Canley Vale Stations).

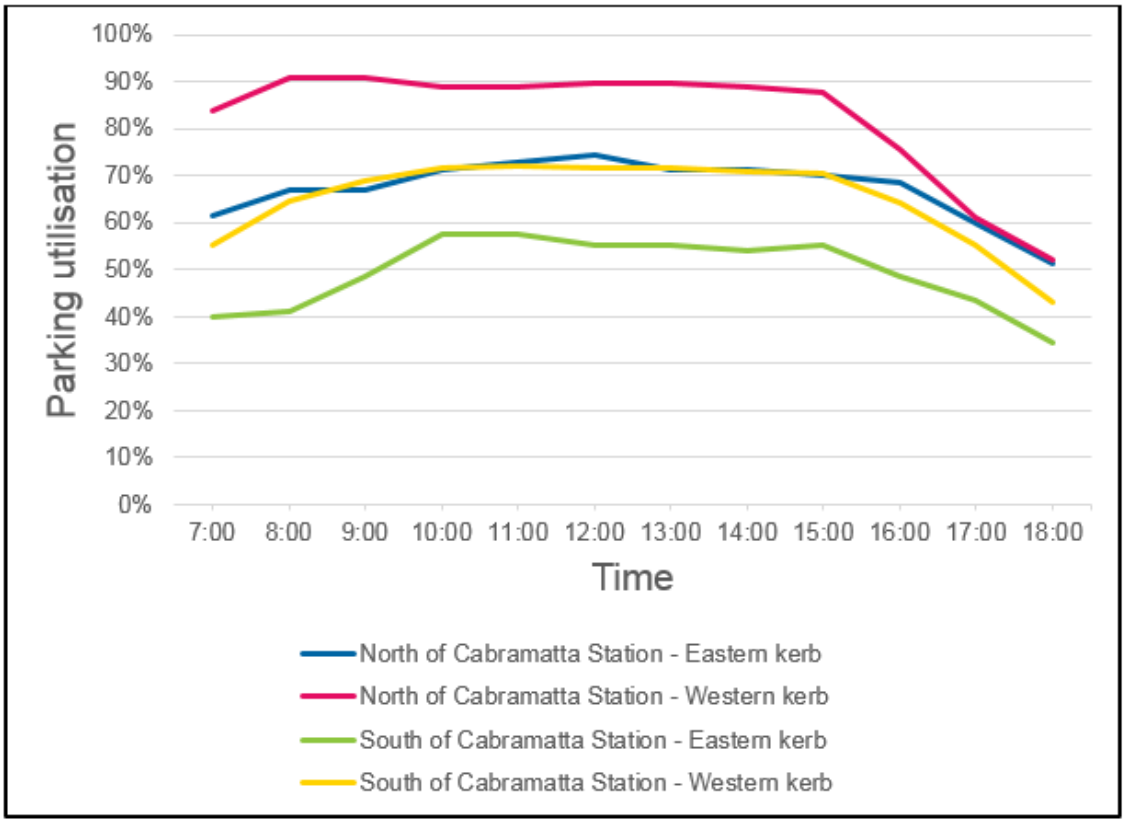

Figure 3.5 Broomfield Street parking utilisation

Figure 3.5 shows that parking utilisation on Broomfield Street typically reaches close to capacity north of Cabramatta Station on the western side between 8:00 am and 3:00 pm. Parking south of Cabramatta Station typically has spare capacity (76 spare spaces identified during the survey), particularly on the eastern side south of Junction Street, (as shown in Table 3.15) with peak utilisation at approximately 60 per cent. As parking south of Junction Street is still within 800 metres of Cabramatta Station, spare parking capacity is considered within acceptable walking distance to Cabramatta train station (refer to section 3.7 for further information regarding acceptable walking distances from stations).

Parking patterns observed shows that the majority of parking users within Broomfield Street are for commuter parking accessing Cabramatta Station (outside the period parking restriction areas), with an increase in parking demand prior to 9:00 am and a decrease in demand after 3:00 pm.

Parking utilisation surveys were also undertaken at Canley Vale Station and Warwick Farm Station to assess parking patterns in proximity to the compounds and work sites. Figure 3.6 shows the parking utilisation at Canley Vale Station and Warwick Farm Station.

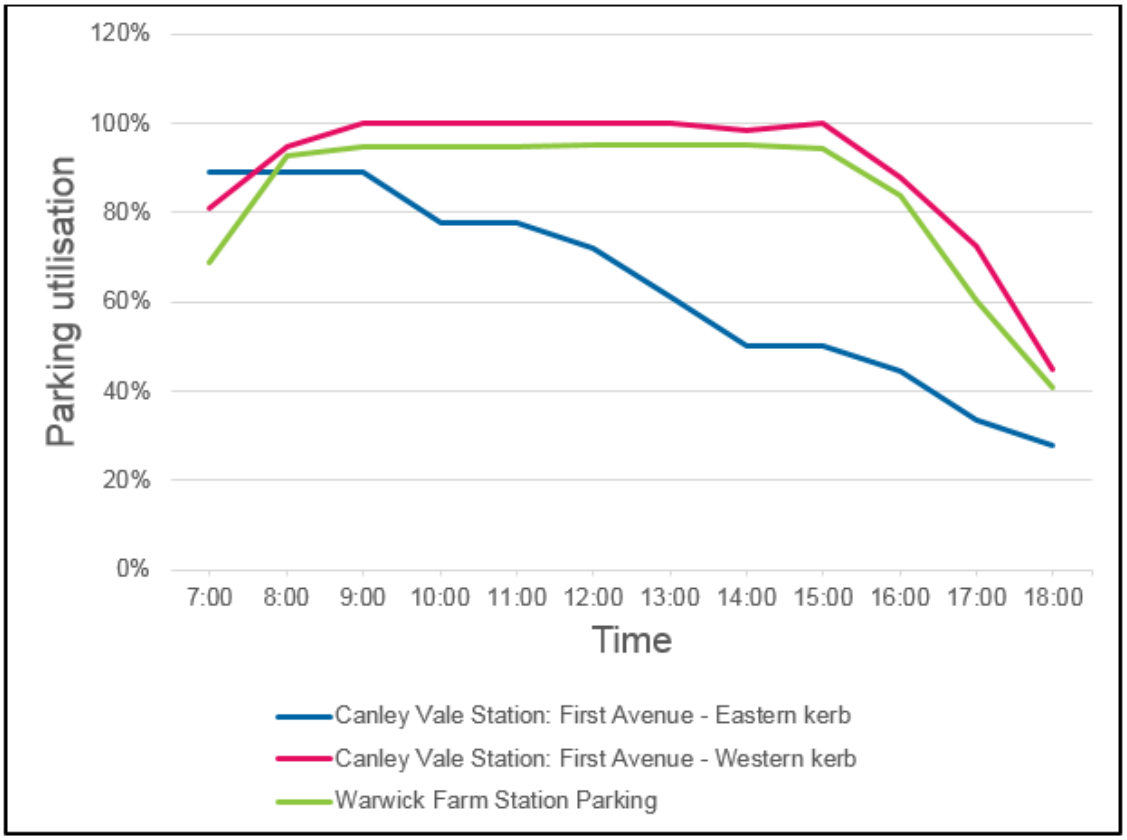

Figure 3.6 Stations parking utilisation

First Avenue on the western kerb and Warwick Farm Station follow a similar trend to Broomfield Street parking demands. The chart shows the parking utilisation is at capacity from 8:00 am to 3:00 pm. The maximum distance that commuters would need to walk from First Avenue to the station would be within 200 metres. This is an acceptable range to walk, should there be availability of commuter parking spaces.

In contrast, the parking utilisation at First Avenue on the eastern side shows a different pattern, where parking utilisation starts at approximately 90 per cent and steadily drops throughout the day. The assessment did not detail the type of users; however, this parking demand pattern is sometimes evident in locations where residents may leave during morning periods.

3.6 Crash data analysis

The objective of the crash data analysis is to determine whether there are road safety concerns in close proximity to the main work sites, and whether this would be an issue for additional construction traffic and shared road users. If significant road safety concerns are identified from the high level crash data analysis, these issues can be raised in this report and potential mitigation measures can be implemented to improve safety in proximity to the work sites.

A review of crash data provided from the website for Transport for NSW Centre for Road Safety has been undertaken by GHD. This is based on a five-year period (2013 – 2017) for roads directly adjacent to the site area as shown on Figure 3.7 where most construction activity will occur.

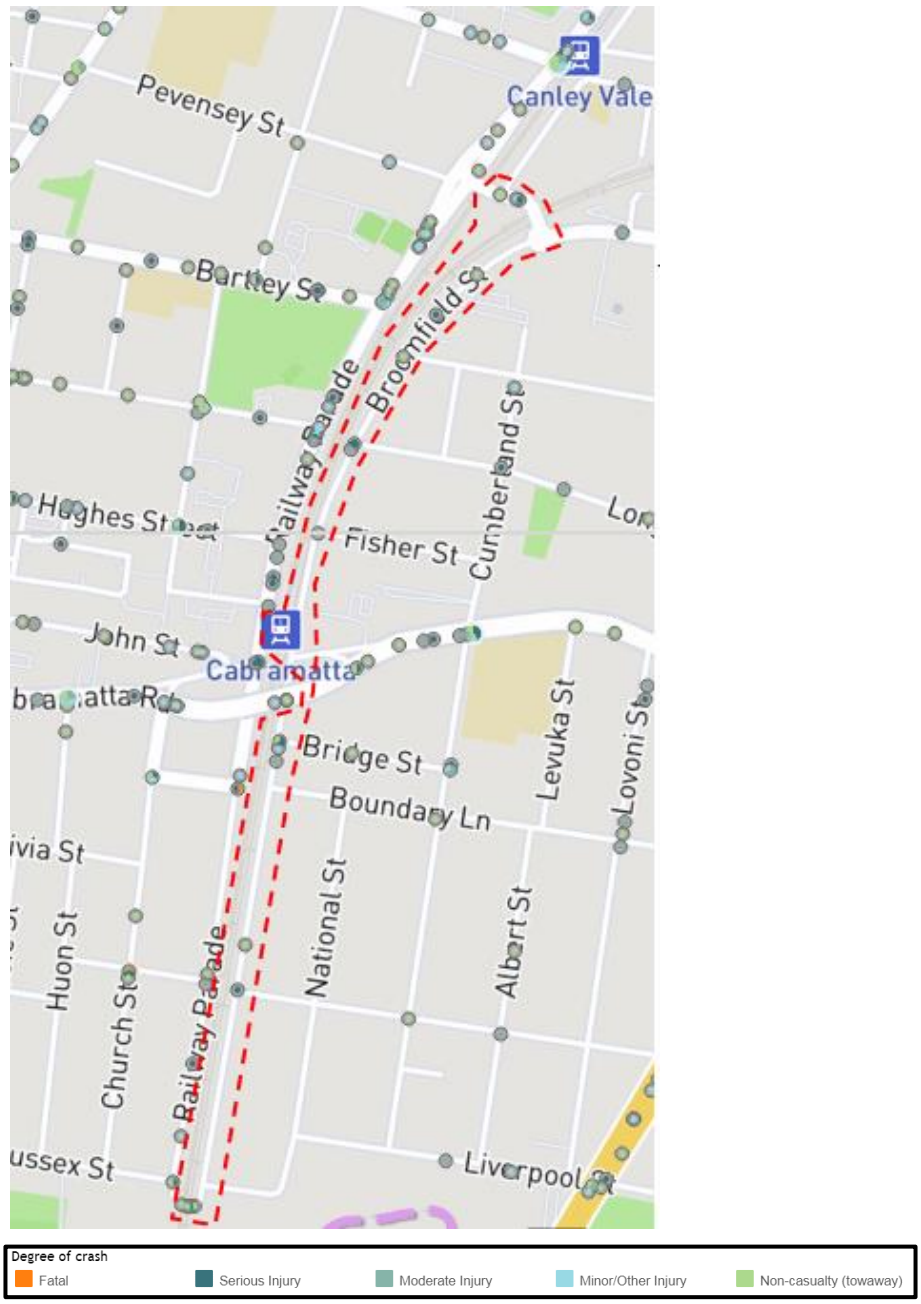

Figure 3.7 Locations of crashes (2013 – 2017)

Source: Transport for NSW Centre for Road Safety (https://roadsafety.transport.nsw.gov.au/statistics/interactivecrashstats/index.html) – Modified by GHD

Figure 3.7 shows that crashes typically occur at intersections along Broomfield Street, particularly at Bridge Street and Longfield Street intersections.

A summary of the five-year crash data is presented on Figure 3.8 between 2013 and 2017. There were a total of 20 crashes on the roads assessed close to the worksites. The highest number of injury crashes recorded was at the Broomfield Street / Longfield Street intersection (three injuries).

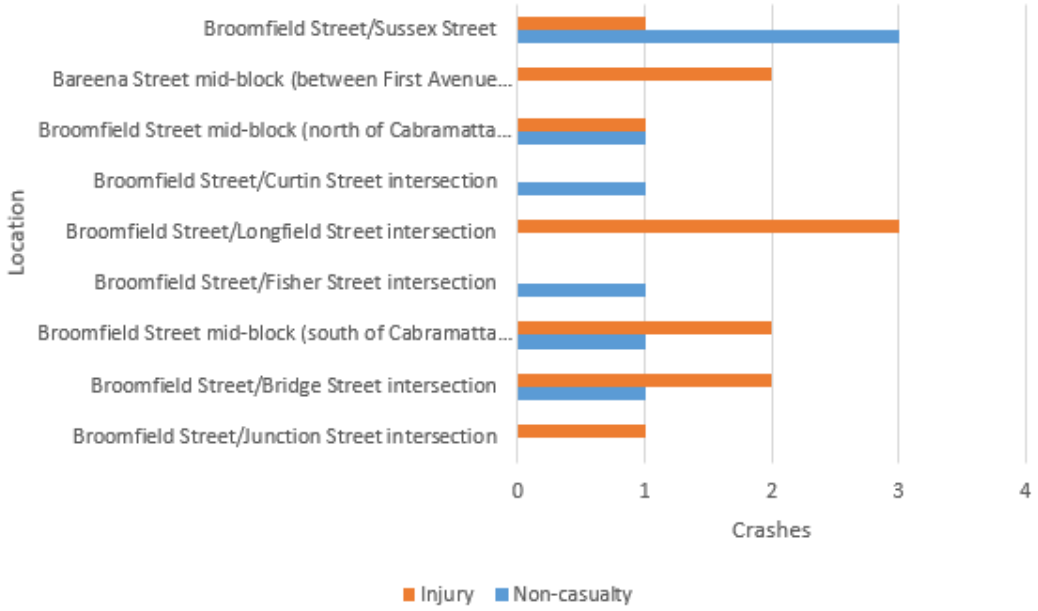

Figure 3.8 Summary of crash data (2013–2017)

A summary of the predominant crash types recorded on Bareena Street, Broomfield Street and at intersections in the vicinity of the site is shown in Table 3.16. The crash data indicates that the most common crash type at these locations involved the following:

- leaving the carriageway to the left, right or into an object (9)
- crashes with pedestrians (3)
- travelling in same direction (2)
- rear end (1).

Table 3.16 Crash types at intersections (2013–2017)

Intersection	Predominant crash type	Number of crashes
Bareena Street mid-block (between First Avenue and Broomfield Street)	Off road into object	1
	Travelling in same direction (rear end)	1
Broomfield Street mid-block (north of Cabramatta Road East)	Off road into object	1
	Travelling in same direction	1
Broomfield Street/Curtin Street intersection	Off road to the right	1
Broomfield Street/Longfield Street intersection	Pedestrian nearside	2
	Off road into object	1
Broomfield Street/Fisher Street intersection	Travelling in same direction	1
Broomfield Street mid-block (south of Cabramatta Road East)	Off road into object	2
	Reversing	1
Broomfield Street/Bridge Street intersection	Off road into object	2
	Colliding into pedestrian steeping off footpath	1
Broomfield Street/Junction Street intersection	Colliding into vehicle on the right near side	1
Broomfield Street/Sussex Street	Other on path	3
	Off road into object	1

3.7 Public transport

In reviewing the site and its accessibility to public transport opportunity, the *NSW Planning Guidelines for Walking and Cycling* (2004) was referenced. This document outlines a recommended walkable distance for commuters of 400 metres (desirable) to 800 metres (maximum) to public transport and other local amenities, or a cycling distance of 1.5 kilometres.

Details of accessibility to public transport, walking and bicycle riding access is provided in the following sections.

3.7.1 Bus services

Four bus routes service within the study area as illustrated on Figure 3.9 to Figure 3.12 inclusive with the bus frequency outlined in Table 3.17. Bus stops are located along the key roads of the project. This includes routes and stops along Broomfield Street, Cabramatta Road East, Hume Highway and Mannix Parade.

In total there are five bus routes that run within the study area, one of which runs along Broomfield Street directly north of the project site. No bus routes run within the project site.

Table 3.17 Bus services

Route	Frequency	Coverage	Roads within study area with bus route
S1	Weekday: AM peak: 1 service/hour PM peak: 1 service/hour Weekend: No services	Lansvale to Cabramatta via Lansvale East Public School	• Broomfield Street (north of Cabramatta station) • Cabramatta Road between Broomfield Street and Cumberland Street
904	Weekday: AM peak: 2 services/hour PM peak: 2 services/hour Weekend: 1 service/hour	Fairfield to Lansvale and Liverpool via Carramar and Lansvale	• Hume Highway between Mannix Pde and Cabramatta Road East
823	Weekday: AM peak: 2 services/hour PM peak: 2 services/hour Weekend: 1 service/hour	Warwick Farm to Liverpool	• Mannix Parade • Lawrence Hargrave Road
N50	NightRide buses replace train services between 12:00 am and 4:30 am	Liverpool to City Town Hall	• Hume Highway

Source: Transport for NSW Bus Timetables 30th January 2019 (https://transportnsw.info/routes/bus)

Figure 3.9 Bus route S1

Figure 3.10 Bus route 904

Figure 3.11 Bus route 823

Figure 3.12 Bus route N50

3.7.2 Train services

The project is located adjacent to the T2/T5 railway line, which services the following stations within proximity to the project:

- Canley Vale Station
- Cabramatta Station
- Warwick Farm Station.

The train frequency is outlined in Table 3.18.

Table 3.18 Train frequency

Route	Stop	Frequency (minutes)		Coverage
		Weekday	Weekend	
T2	Canley Vale	10	10	Inner West and Leppington Leppington to City
	Cabramatta	6-8	8	
	Warwick Farm	6-8	8	
T3	Cabramatta	10	30	Liverpool or Lidcombe to City via Bankstown
	Warwick Farm	10	30	
T5	Canley Vale	30	30	Cumberland Line Leppington to Richmond
	Cabramatta	30	30	
	Warwick Farm	30	30	

Source: Transport for NSW T2, T3 and T5 train Timetables 30th January 2019

3.8 Active transport

3.8.1 Walking network

The study area has generally good pedestrian infrastructure on both sides of the road (roads identified in section 3.2).

A shared pedestrian/cycleway that forms part of the Parramatta to Liverpool Rail Trail Cycleway is provided alongside the western side of Broomfield Street, joining Canley Vale Station with Warwick Farm adjacent to the rail corridor.

There are points of median refuge for pedestrians on:

- Broomfield Street just south of Longfield Street with kerb ramps
- First Avenue near the station with kerb ramps.

There are no designated footpaths on the eastern side of First Avenue.

Signalised pedestrian crossings at:

- Mannix Parade/Hume Highway
- Cabramatta Station and at Cabramatta Road East/Broomfield Street
- Sappho Road/Hume Highway.

3.8.2 Bicycle network

Figure 3.13 and Figure 3.14 illustrates the current cycleway network facilities within proximity of the works area, as outlined in Roads and Maritime's Cycleway Finder website. A shared pedestrian cycleway is provided on the western side of First Avenue (beginning at the Canley Vale Station access and ending at Longfield Street). Bike racks are provided outside Canley Vale Station.

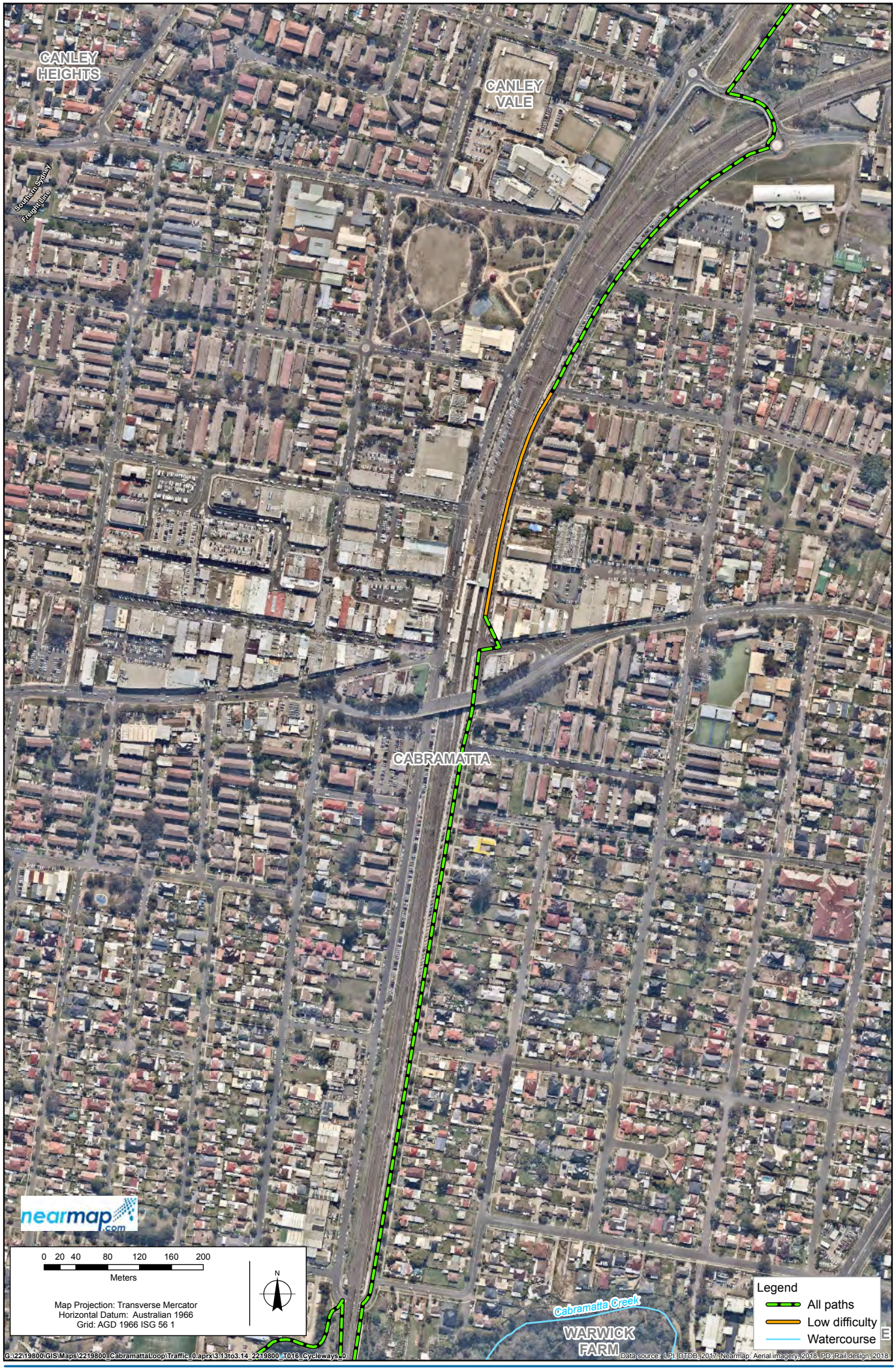

Figure 3.13 Cycleways near Cabramatta Station and Canley Vale Station

Figure 3.14 Cycleways near Warwick Farm Station

A review of Liverpool City Council, Fairfield City Council and Transport for NSW's websites was undertaken to determine if there are any future planned works to active transport networks in proximity to the project site, however no future activities were identified.

3.9 Taxi and drop off facilities

3.9.1 Taxi

On the western side of Broomfield Street, there is a taxi rank with capacity for two standard sized vehicles (car), adjacent to Cabramatta Station. At the Warwick Farm Station Remembrance Avenue/Hart Street exit there is a designated taxi zone designed to accommodate a maxi taxi located adjacent to the station access.

3.9.2 Passenger pickup / drop off facilities

On the western side of Broomfield Street, immediately north of the taxi rank, there is a pickup and drop off area (commonly called "kiss and ride") with two car spaces serving Cabramatta Station. Also on the south kerb of Cabramatta Road East, there is a pickup and drop off area with one space serving Cabramatta Station.

Warwick Farm Station also has a designated five minute parking zone with 10 spaces on Remembrance Avenue, just east of Hart Street.

4. The project

This section describes construction and operation of the project, where relevant to the traffic, transport and access impact assessment. Further information regarding the project is provided in section 1.2 and in the EIS.

4.1 Construction

4.1.1 Program and staging

Construction would commence once all necessary approvals are obtained and take about two years to complete.

The main construction works would broadly be undertaken in six stages, some of which would be undertaken concurrently as shown in the indicative program shown in Figure 4.1 which also shows when enabling works would be undertaken. Testing and commissioning would be undertaken over one weekend possession in November 2022 (or potentially January 2023, if required).

A summary of the proposed staging (including enabling works) is provided in Table 4.1. This would be subject to refinement and would be confirmed following engagement of the construction contractor.

STAGE	Q1 2021	Q2 2021	Q3 2021	Q4 2021	Q1 2022	Q2 2022	Q3 2022	Q4 2022	Q1 2023
Enabling works									
Stage 1 - Sussex Street and Sussex Street bridge (southern abutment)									
Stage 2 - Broomfield Street and Sussex Street bridge (northern abutment)									
Stage 3 Cabramatta Creek Bridge									
Stage 4 - Jacquie Osmond Reserve and Peter Warren Automotive works									
Stage 5 - Track works									
Stage 6 - Finishing and rehabilitation									

Figure 4.1 Indicative construction program

Table 4.1 Indicative staging

Stage	Feature constructed during stage	Main activities
Enabling works	Not applicable	• Site establishment including: – carrying out heritage investigations, protection and archival recordings, if required – installing site environment management and traffic controls (including pedestrian and cyclist management) – establishing construction compounds and work sites – establishing access to work areas where required, including regrading of surfaces where required – establishment of a temporary shared path to be used by pedestrians/cyclists during construction of Cabramatta Creek bridge – suppling power, water and other utilities to construction compounds and other areas within the project site – vegetation clearance and tree removal. • Protection and/or relocation of utilities.
Main construction works		
Stage 1 – Sussex Street and southern abutment of Sussex Street bridge	• Road works (changes in Sussex Street and reconfiguration of Broomfield Street) • Sussex Street bridge	• Close the southern side of Sussex Street and direct traffic along the northern side of the road. • Construct southern bridge abutment for the new bridge. • Widen the road to the east of Broomfield Street, using the existing road (southbound lane) as a construction area while maintaining traffic flow on the west of Broomfield Street (northbound lane) – the Broomfield Street realignment would be completed as a rolling closure, from Sussex Street northwards to Bridge Street, in 200 metre sections.
Stage 2 – Broomfield Street and northern abutment of Sussex Street bridge	• Road works (reconfiguration of Broomfield Street) • Retaining walls • Noise wall • Sussex Street bridge	• Redirect traffic through the southern side of Sussex Street Bridge and onto the east of Broomfield Street. • Temporarily close the western part of Broomfield Street (northbound lane and parking) to use as a construction area. • Construct northern abutment of the Sussex Street bridge. • Remove existing retaining wall and noise wall and construct new retaining wall. • Construct noise wall. • Reinstate Broomfield Street with new alignment. • Close Sussex Street over a weekend to construct the bridge.

Stage	Feature constructed during stage	Main activities
Stage 3 – Cabramatta Creek bridge	• Cabramatta Creek bridge	• Constructing the bridge. • Reinstating shared paths.
Stage 4 – Works at Jacquie Osmond Reserve and Peter Warren Automotive	• Retaining walls	• Clearance and site setup. • Install footing for retaining structure. • Build up sub-base and cap layer. • Construct embankment (Jacquie Osmond Reserve only). • Reinstate fence.
Stage 5 – Track works	• Track works • Signalling	• Construct track turnout and undertake realignment works at the northern end during the first available possession. • Construct track turnout and undertaken realignment at the southern end during the second available possession. • New track would be constructed progressively along the corridor in a linear sequence, with multiple teams operating concurrently. • Install signals. • Commission track during the last available possession.
Stage 6 – Finishing and rehabilitation	n/a	• Demobilisation, rehabilitation and finishing works.

4.1.2 Broomfield Street construction staging

As one of the key stages to facilitate the new loop, further information is provided on the Broomfield Street realignment works below. This would occur in stages to minimise the impact on traffic, transport and access. In addition, stages will occur concurrently to minimise construction time as follows:

- Stage 1A
- Stage 1B and Stage 2A
- Stage 1C and Stage 2B
- Stage 1D and Stage 2C
- Stage 2D.

Figure 4.2 shows how this staging of works is proposed to occur on Broomfield Street.

Figure 4.2 Construction stages along Broomfield Street

4.1.3 Construction traffic

The construction haulage traffic impact assessed comprises of trucks, delivery vehicles and light vehicles for site compounds and the wider project worksite.

4.1.4 Workforce

During non-possession periods, a peak workforce of about 80 people would be anticipated. During possession periods, it is estimated that a peak workforce of about 220 people would be anticipated, comprising 110 per 12 hour shift (two 12 hours shifts per day). This increase in workforce numbers during possession periods is a result of the need to ensure any works required within the rail corridor can be undertaken during the short possession periods, which are limited to four 48 hour periods throughout each year.

4.1.5 Vehicle movements

At this stage of the construction traffic assessment, a high level vehicle movement estimate was made of peak hour construction traffic (during possession) that would arrive and depart the compound, and travel between worksites and on the surrounding road network (haulage routes shown on Figure 4.3). The number of light and heavy vehicles generated by the construction was based on indicative estimates of the peak workforce attending the site, and indicative estimates of deliveries and haulage of spoil from the site.

It is estimated that up to 60 light vehicles associated with the workforce and six heavy vehicles would use the Hume Highway during peak periods to access the proposed site during possession (peak construction activity period). Heavy vehicles consist of delivery vehicles, haulage trucks and oversized vehicle movements that may occur within the peak hour period. Construction vehicles would then distribute at a number of side roads to enter and leave the compound and work sites, as shown in Table 4.2.

Table 4.2 Peak construction vehicle trips

Street	Track Possession period (24 hours)	
	Heavy vehicle (per hour)	Light vehicle (per hour)
Hume Highway	6	60
Cabramatta Road East	3	20
Junction Street	3	20
Liverpool Street/Sussex Street	3	20
Broomfield Street	3	20
Mannix Parade/Lawrence Hargrave Road/Nicholls Street/ Station Street/Railway Parade	4	60
Sappho Road	3	20
Warwick Street	4	60

4.1.6 Construction haulage access routes

Haulage routes for construction heavy vehicles to and from the site compounds and access gates to the project site have been developed with the following objectives:

- Use local or residential streets only for direct access to compound locations. Local streets would only be used where there is no other suitable alterative to deliver or remove materials for a particular section of the works.
- Minimise potential safety impacts for pedestrians, cyclists and other road users.
- Maximise the use of the State Road network.

It is proposed that the Hume Highway would provide key access to and from the locality from the south and north, with Cabramatta Road East and Mannix Parade comprising the two major connection points from the Hume Highway. It is possible that Liverpool Street and Junction Street would be utilised as ‘left in, left out’ locations to and from Broomfield Street, while Sappho Road may be utilised in special circumstances to access the Jacqui Osmond Reserve.

The preliminary haulage and access routes are shown on Figure 4.3. These would be reviewed during detailed design and confirmed following appointment of the construction contractor.

Figure 4.3 Haulage routes

4.1.7 Timing/working hours

The majority of works (with the exception of during possession periods as described below) would be undertaken during recommended standard construction working hours as defined by the *Interim Construction Noise Guideline* (DECC, 2009), which are:

- Monday to Friday: .7.00 am to 6.00 pm
- Saturday: 8.00 am to 1.00 pm
- Sundays and public holidays: no work.

During these periods, there may be a need to undertake some limited activities outside recommended standard working hours. These could include:

- electrical connections and installation
- delivery and/or removal of oversized equipment
- works on key roads such as delivering cranes, to minimise impacts to traffic flow and access
- setting up traffic conditions for partial road closures
- works required by utility service providers or where impacts to services cannot be reasonably managed during standard working hours.

Possession periods

Throughout the majority of the construction period the SSFL and Sydney Trains lines would continue to operate in accordance with standard operations.

However, to ensure that works are carried out as efficiently as possible and that worker safety is maintained, some construction works would need to be undertaken during the scheduled rail maintenance possession periods, during which trains do not operate along the SSFL. ARTC currently schedules routine maintenance possessions on four weekends each calendar year. Each of these possession periods start at about 2.00 am on Saturday and end at 2.00 am on Monday.

Subject to detailed construction planning, these scheduled maintenance possessions would be used to complete certain construction works. Works that would need to be undertaken during possession periods include (but are not limited to):

- delivery of tracks by train
- site establishment activities such as erection of barrier fencing within the rail corridor
- installing new track that affects operational line
- realigning the existing track
- moving large components (such as bridge girders) into place above the rail line
- bridge tie-in works
- signalling works
- installing undertrack crossings such as drainage and signal routes
- testing and commissioning of rail systems.

Possession periods are part of standard Sydney Trains and ARTC operations, and Sydney Trains would organise replacement buses during these periods to replace existing train services. Therefore the impacts to Sydney Trains users as a result of the possession periods are considered beyond the scope of this assessment and are not considered further.

4.2 Operation

The project would operate as part of the SSFL and would continue to be managed by ARTC. ARTC is not responsible for the operation of rolling stock and train services are currently, and would continue to be, provided by a variety of operators, who operate in accordance with relevant regulatory requirements.

Following completion of the works, traffic along Broomfield Street would continue to operate as per the existing operations, with one travel lane in each direction, with kerb-side parking on both sides, a shared path (pedestrian/cycle) on the western side of the road and a footpath on the eastern side of the road.

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5. Construction impact assessment

This section outlines the traffic implications of the proposed works and summarises the traffic, transport and access impact analysis during construction.

5.1 Intersection performance during construction

Construction of the project would result in temporary impacts to traffic and access within the study area, and an increase in both heavy and light vehicle movements on the local road network. The extent of impacts will depend on the location of the works, and the origin of material and/or workers. A worst-case assessment of the impacts on intersection performance due to the increase in heavy and light vehicle movements is detailed below.

Construction traffic models were developed using the weekday AM and PM peak hours and the Saturday peak hour at Sappho Road/Hume Highway intersections based on the 2018 traffic survey data. A summary of the results is outlined in Table 5.1 and Table 5.2. Detailed SIDRA results are provided in Appendix B.

Table 5.1 Intersection operations during construction (Weekday)

Intersection	AM Peak				PM Peak			
	Ave Delay (s)	LoS	Control Type	Degree of Saturation	Ave Delay (s)	LoS	Control Type	Degree of Saturation
Site 1: Hume Highway/ Mannix Parade	29	C	Signals	0.910	48	D	Signals	0.965
Site 2: Lawrence Hargrave Road/ Nicholls Street	8	A	Roundabout	0.098	8	A	Roundabout	0.098
Site 3. Lawrence Hargrave Road/ Mannix Parade	7	A	Roundabout	0.133	8	A	Roundabout	0.128
Site 4: Hume Highway/ Junction Street	8	A	Priority	0.373	8	A	Priority	0.501
Site 5: Hume Highway/ Liverpool St	150+	F	Priority	1.0+	150+	F	Priority	1.0+
Site 6: Sappho Road/ Hume Highway	9	A	Signals	0.589	20	B	Signals	0.648
Site 7: Broomfield Street/ Cabramatta Road East	13	A	Signals	0.222	12	A	Signal	0.242
Site 8: Hume Highway/ Cabramatta Road East	26	B	Signals	0.703	27	B	Signal	0.836

Table 5.2 Intersection operations during construction (Saturday)

Intersection	Saturday Peak			
	Aver Delay (s)	LoS	Control Type	Degree of Saturation
Site 6: Sappho Road/ Hume Highway	23	B	Signal	0.875

Notes:

- *The average delay for priority-controlled intersections is selected from the movement on the approach with the highest average delay.*
- *The level of service for priority-controlled intersections is based on the highest average delay per vehicle for the most critical movement.*
- *The degree of saturation is defined as the ratio of the arrival flow (demand) to the capacity of each approach.*
- *Average delay is given in seconds per vehicle.*

Table 5.2 indicates that each of the signalised intersections and roundabouts analysed during construction operations is likely to operate with an acceptable LoS (ie better than LoS E), with spare capacity in both the weekday morning and evening peak periods, and during the Saturday peak period at Sappho Road/Hume Highway intersection. The right turn movements at the Hume Highway/Liverpool Street intersection are like to continue operating at LoS F both in the morning and evening peak periods, primarily as a result of the delays on the minor roads requiring to give way to traffic flow on the major road (Hume Highway), which is reflective of the existing situation.

Detailed SIDRA results of these intersections are provided in Appendix B.

5.2 Temporary road closures

The following traffic adjustments (see Table 5.3) are proposed during construction.

Table 5.3 Proposed road closures and impacts

Road	Proposed closure	Diversion/traffic management	Traffic Impact
Broomfield Street	Partial road closure during realignment of the road to the east.	Only one lane would be closed at any one time, allowing bi-directional traffic to be directed along the remaining open lane under 'stop and go' traffic control.	• Minor delay (est. 1-2 minutes) to vehicles on Broomfield Street with traffic control allowing one direction of traffic flow at one period of time. • Minor delays (est. 1-2 minutes) for residents that access property driveways.
	Full road closure for short periods for specific activities such as line marking.	Works to occur during night time to minimise disturbance. Potential diversions would include the adjacent local roads, such as National Street.	• Minor delay (est. 1-2 minutes) to vehicles due to local road diversions from Broomfield Street to adjacent roads (such as National Street). • Minor delays (est. 1-2 minutes) for residents accessing property driveways.
Sussex Street	Partial road closure during road alignment works and bridge construction works.	One lane would remain open with traffic management such as 'stop and go' traffic control.	• Minor delay (est. 1-2 minutes) to vehicles that travel via Sussex Street under the bridge. 'Stop and go' traffic control allowing one direction of traffic flow at one period of time
	Potential full closure during certain bridge construction works (such as girder positioning) for safety reasons (maximum 48 hours during weekend period or mid-week nights (Sunday to Thursday)).	Road closed from Sussex Street bridge to Junction Street. The most likely diversion would comprise of: • Western side of the railway line - Church Street (to the west) and Cabramatta Road (W) via Railway Parade to the east), • Eastern side of the railway line – Junction Cumberland Street with local access maintained.	• Moderate delay to vehicles that normally travel via Sussex Street (bridge underpass) can be diverted to Cabramatta Road. This would incur approximately a 5 minute additional travel time to vehicles that cross the rail line at this location (see Appendix D for travel time)

In addition, there may be temporary road closures within local streets around the work sites and compounds due to the delivery of oversized equipment, resulting in minor delays to drivers. However, given the amount of oversized vehicle movements likely to be used for the project, these impacts are considered to be minor.

As discussed in section 4.1.7 the delivery of oversized equipment would be undertaken outside of standard construction hours to minimise impacts on the surrounding road network.

5.3 Temporary pedestrian and bicycle path diversions

5.3.1 Broomfield Street construction

The existing shared path adjacent to the rail corridor would be impacted by the proposed works and a temporary diversion would be required. It is envisaged that for each stage of the Broomfield Street construction, the shared path would end where the construction zone commences, and pedestrians and bicycle riders would be diverted to the opposite side of Broomfield Street where there is no construction occurring. If this is on the side where there is no shared path (only footpath) and a temporary shared path cannot be established due to site constraints then there may be a requirement for bicycle riders to dismount. However, given the construction length of each stage is about 200 metres the impacts to cyclists due to the requirement to dismount is considered minor. Alternatively bicycle riders can utilise the on-street carriageway, where general traffic speeds will be low as a result of the construction zone environment.

During full road closures for specific activities, bicycle riders may need to be diverted around Broomfield Street, to adjacent roads such as National Street. Pedestrian management around the worksite would be maintained, where possible.

5.3.2 Sussex Street Bridge and Cabramatta Creek Bridge construction

The existing shared path between Sussex Street and Cabramatta Creek would be relocated around 3 metres east for most of the construction period. The diversion will start at the corner of Sussex Street and Broomfield Street and meet the existing path north of Cabramatta Creek. This is to allow for a work site to be established adjacent to the bridge structures. Pedestrian and bicycle access along this route would be maintained except for a period of up to two weeks, during works requiring a crane for Sussex Street bridge. Alternate routes would be provided during this period to cross Cabramatta Creek (ie via Hume Highway) which may incur significant additional travel time lays for pedestrians and bicycle riders.

Clear signage would be in place, communicating the diversion to pedestrians and bicycle riders. Detailed Traffic Control Plans outlining the appropriate traffic management measures (signage) would be developed and implemented on site (refer section 7.1.6 and section 7.1.7).

A summary of the proposed path closures and impacts are shown in Table 5.4.

Table 5.4 Proposed path closures and impacts

Road	Proposed closure	Diversion/traffic management	Impact
Broomfield Street	Partial shared path closure during each stage	• Pedestrians to be diverted to opposite side of the road. • Bicycle riders have the option of utilising the opposite footpath (but must dismount). Alternatively utilise the on-road carriageway	• Minor delay (est. 2-3 minutes) for bicycle riders may be required to dismount to use footpath or utilise the on-road carriageway. • Minor delay (est. less than 1 minute) to pedestrians.
	Full road closure for short periods for specific activities such as line marking	• Works to occur during night time to minimise disturbance. Potential diversions would include the adjacent local roads, such as National Street.	• Bicycle riders to use adjacent roads which have a minor increase travel times (est. 1-2 minutes) and an on road mixed environment.
Sussex Street and works on Cabramatta Creek bridge	Partial road closure during road alignment works and bridge construction works	• Divert bicycle riders and pedestrians to the temporary shared path (shown in Figure 5.1).	• No impact to bicycle riders or pedestrians (access maintained).
	Potential full closure (approximately 12 hours) during certain bridge construction works (such as girder positioning) for safety reasons. (maximum 48 hours during weekend period)	• Permanent and shared path likely closed at Sussex Street bridge (including temporary shared path adjacent to Cabramatta Creek)	• Delay to bicycle riders and pedestrians that use the shared path on the eastern side of Sussex Street Bridge. • Bicycle riders and pedestrians will need to be diverted to alternate crossings over Cabramatta Creek (ie via Hume Hwy) which may cause significant travel time delays.

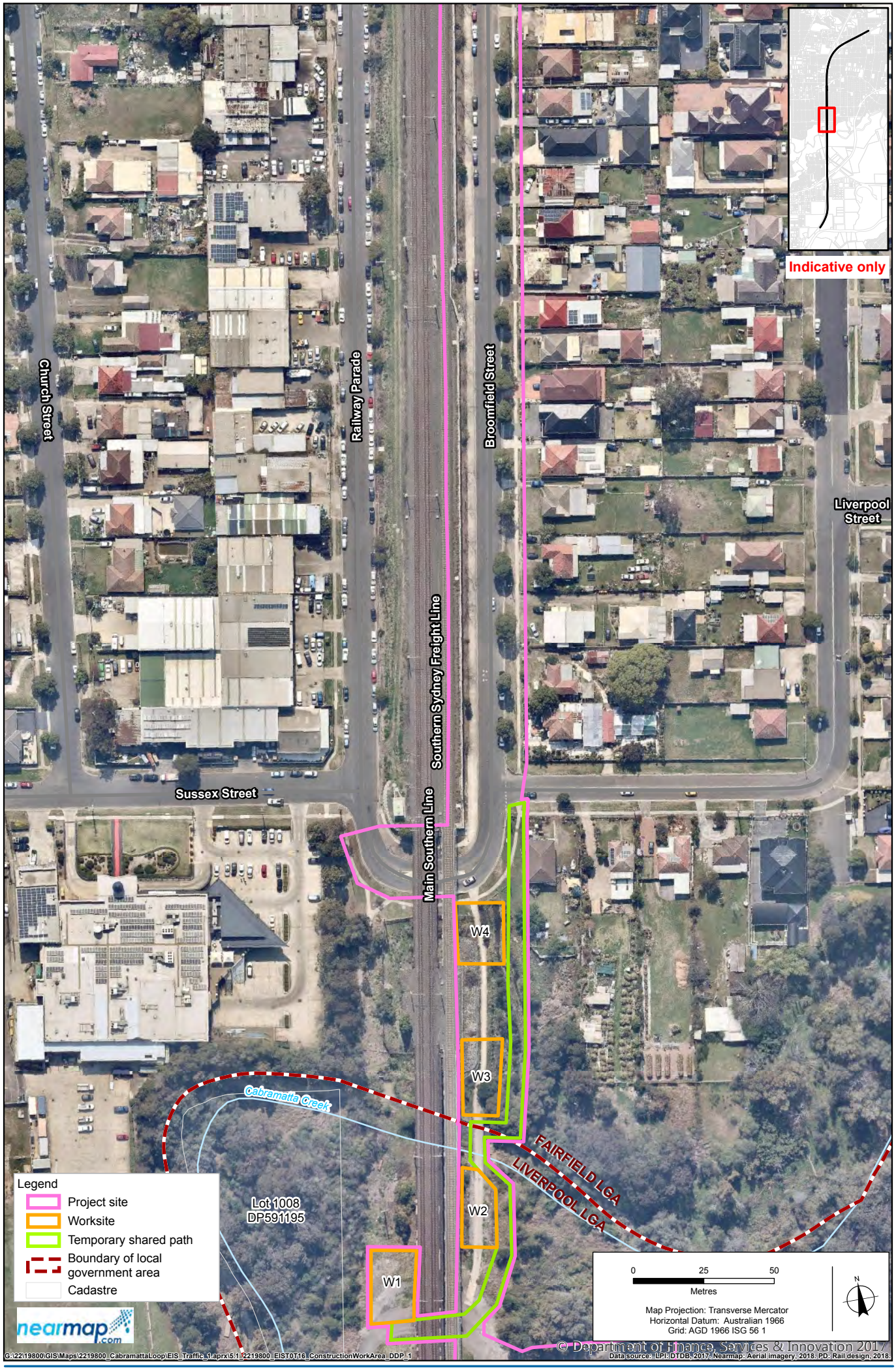

Figure 5.1 Temporary shared path diversion (around bridge construction)

5.4 Car parking impacts

There are likely to be parking impacts during construction as a result of the project. The following section discusses these impacts as they apply to Broomfield Street and surrounding roads.

5.4.1 Car parking impacts during construction stage

Broomfield Street realignment works would occur in stages as discussed previously in section 4.1.2 to minimise the impact on traffic and parking. Figure 5.2 shows the proposed order of delivery of each stage of the works on Broomfield Street, the approximate number of parking spaces likely to be impacted and spare capacity on Broomfield Street during construction. A number of the stages would occur concurrently to reduce the total construction period.

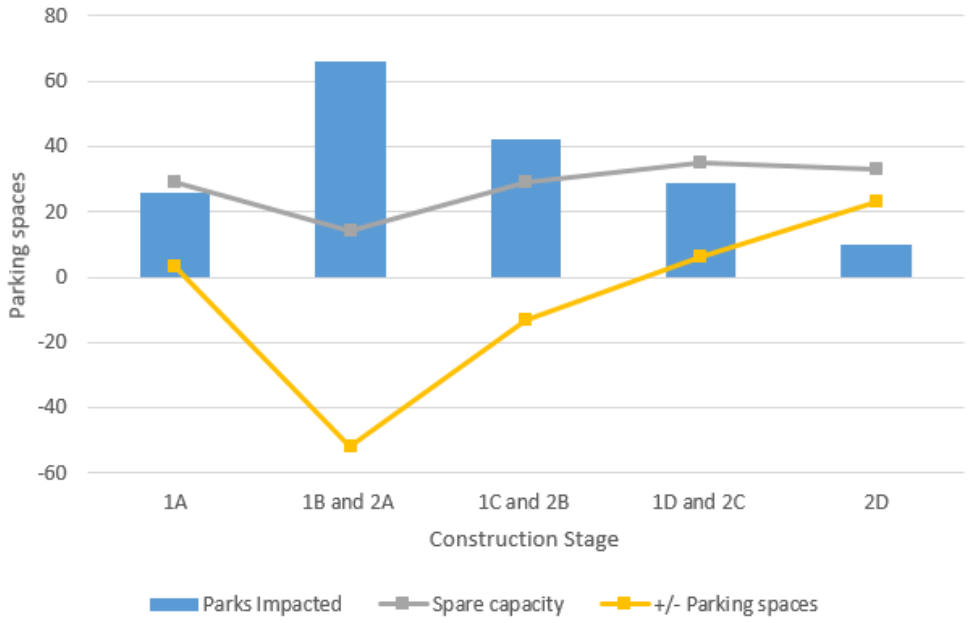

Figure 5.2 Construction parking impacts

Figure 5.2 shows that the peak number of car spaces lost (approximately 66 spaces) occurs during Stages 1B and 2A. As the parking along the length of Broomfield Street is not fully utilised (anticipated 72 percent as discussed in section 3.5) available parking on Broomfield Street would likely absorb some of the car spaces lost (about 14 spaces). However, it is likely that there would still be an impact as a result of the net loss of up to 46 spaces during stages 1B and 2A. In this case, available spare capacity in the local roads could absorb the remaining spaces, however this may translate to a potential impact to local residents and other uses of on-street parking in the adjacent streets. Alternatively, provision of a designated off-street temporary parking area within proximity to the site could minimise this impact (refer section 7.1.1).

5.4.2 Parking for construction workers

It is anticipated that construction worker parking will be kept to designated compounds and areas designated for construction workers only. As such, there should be minimal impact to on street parking.

5.5 Public transport impacts

5.5.1 Bus services

As described in section 4.1.2 vehicle access along Broomfield Street (south of Cabramatta Station) would be maintained during the realignment works with the exception of some temporary diversions during the construction of Sussex Street bridge.

As described in section 3.7.1, while bus service travel along Broomfield Street north of Cabramatta Station, no bus services travel south of the station. Therefore there are no impacts on existing bus services expected during the proposed works.

5.5.2 Train services

ARTC track works are to occur within the rail corridor which may have an impact on passenger train services. However, ARTC will co-ordinate with Sydney Trains scheduled track possession periods to carry out such works including Sussex Street Bridge, Cabramatta Creek Bridge and track works. Coordinating possessions will ensure no additional impacts are encountered on the rail network and the passenger trains that may have occurred as a result of the project.

5.6 Property and access to key facilities

5.6.1 Residential access

During the enabling works there may be access disruptions for properties directly fronting Broomfield Street due to the relocation and protection of utilities. Vehicular access to properties would be restricted for short periods as there are numerous driveways located along the affected section of Broomfield Street. Additionally, there may be property access impacts if utility relocation works are undertaken in the streets directly adjoining the project site, within the study area.

During the main construction works vehicle access to properties on Broomfield Street is anticipated to be maintained.

There is the potential for minor impacts on vehicle travel times to and from properties due to the imposed one lane directional travel, which may cause minor delays to property access and egress. Consultation with the residents is required by the contractor as outlined in the CTMP (see section 7).

5.6.2 School access

Lawrence Hargrave School is located adjacent to the western side of the railway corridor at the intersection of Lawrence Hargrave Road and Station Street. Given that the school is located on a haulage route, vehicle movements will need to be managed to minimise conflict between construction traffic and vehicles and pedestrians associated with the school. This is to be detailed by the contractor in the CTMP such that construction vehicle movements are minimised within the vicinity of the school as far as practical to maintain safety in the area. It is envisaged that construction traffic would not coincide with the peak period of school start and finish times, to minimise potential conflicts (see section 7.1).

5.6.3 Jacquie Osmond Reserve

There may be potential safety impacts to vehicles, pedestrian and cyclists that use the unnamed access track during construction due to the presence of construction vehicles using this track including where it crosses underneath the rail corridor (between Jacquie Osmond Reserve and Warwick Farm Recreation Reserve). Construction vehicle movements will need to be managed

to minimise conflict between construction traffic, vehicles and shared path users. This is to be detailed by the contractor in the CTMP such that adequate safety measures are used.

Due to the presence of the construction site and compounds there would be no vehicle access to Jacquie Osmond via the unnamed access road on the western side of the rail corridor while some components of the Cabramatta Creek bridge are being constructed. This would impact users of Jacquie Osmond Reserve who access the park for sporting or recreational activities and use the informal parking within Jacquie Osmond Reserve. This impact is considered minor as the works would be short-term (with a likely duration of two weeks) and would likely only impact users on the weekend when sporting events are held. During this time users would still be able to park within the adjacent Hometown Warwick Farm car park and access the park from the southern entry.

5.7 Emergency vehicles

In the event of an emergency within the study area, there may be some impacts to Emergency Vehicles that require access. Impacts may include minor to moderate delays and longer travel times to emergency vehicles caused by road diversions and ‘stop and go’ traffic control on Broomfield Street (see section 5.2 for proposed road closures). Additional construction traffic may also cause minor delays to Emergency Vehicles, particularly on local road haulage routes

5.8 Cumulative impacts

The following developments within 500 metres of the project site have the potential to occur at the same time as construction of the project, and therefore have the potential to contribute to cumulative traffic impacts within the study area:

- A multi-storey residential centre at the corner of Broomfield Street and Cabramatta Road adjacent to Cabramatta Station would be developed by Moon Investments. The site is zoned B4 Mixed Use and consists of 22 privately owned lots and a section of public laneway owned by Fairfield City Council and has a total area of approximately 12,487 square metres. The site is currently being rezoned to mixed use high density for up to 600 residential/commercial units.
- A new car park proposed in the Cabramatta town centre, on the corner of Hughes Street and Dutton Lane. Work on the new car park is expected to start in mid-2019 and take around nine months to complete. The 220 space car park connects to the existing multi-deck car park with access to a new lift and pedestrian connection to the existing Dutton Plaza lifts.
- Upgrade of Governor Macquarie Drive from Hume Highway to Newbridge Road.

Cumulative impacts of construction activities of nearby development may exacerbate the traffic impacts identified within this study. These include:

- an increased potential for poor intersection performance due to additional construction vehicles on the road leading to travel delays
- additional diversions due to the presence of construction works, compounds and work sites, leading to additional delays for vehicles, pedestrians, cyclists and public transport users
- an increased reduction in parking around compound sites leading to commuters and people accessing commercial and residential properties having to find parking further away.

The potential for cumulative impacts would be mitigated through implementation of the mitigation measures proposed in this report (section 7). However, to further minimise the

potential for cumulative impacts coordination would be undertaken with other stakeholders associated with those projects prior to construction to ensure construction activities are appropriately scheduled and undertaken to minimise impacts.

5.9 Key findings of construction impacts

The following summarises the key findings of the construction impact assessment:

- The intersection analysis outlines there would be a minor increase in average delay at signalised intersections such as at Hume Highway/Mannix Parade, with LoS B increasing to LoS C in AM peak and LoS C to LoS D in the PM peak. Sappho Road/Hume Highway increases from LoS A to LoS B in the PM peak. However, LoS D remains within acceptable limits of level of service.
- There would be some temporary impacts on parking and traffic flow on Broomfield Street, which are likely to be managed effectively by the CTMP, including:
  - parking lost during construction, which is likely to be absorbed by some free capacity on Broomfield Street, or on the surrounding road network. ARTC is to investigate alternative temporary parking lots close to Cabramatta Station which would support the reduction of parking spaces during construction
  - minor impacts to traffic flow on Broomfield Street with the closure of one lane of traffic, and one lane of traffic kept open (either northbound or southbound) under direction of traffic controllers.
- Temporary diversion of the shared path on Broomfield Street at each stage of construction:
  - pedestrians and cyclists to leave shared path at the point of construction zone and directed to cross to the adjacent footpath on Broomfield Street
  - cyclists may be required to dismount.
- During bridge construction of Cabramatta Creek Bridge (up to two weeks), bicycle riders and pedestrians that desire access to the creek crossing would need to be diverted to Cabramatta Road to cross to the western side causing longer travel times.

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6. Operational impact assessment

This section outlines the traffic implications after the completion of the proposed works and summarises the traffic, transport and access impacts during operation. It is envisaged that there will be minor impacts to parking at the operation stage as outlined in the following sections.

6.1.1 Traffic and transport impacts

There are no changes expected to occur as a result of the project to the existing road network. . The project is also not expected to generate any additional traffic movements. Therefore, the existing intersections reviewed within the study area are anticipated to remain at their current level of operation following the completion of the works.

6.1.2 Public transport and active transport impacts

The project would not change the current access arrangements or movement of public transport.

With regards to active transport, the existing footpath would be reinstated as would the shared path which would continue to form part of the Parramatta to Liverpool Rail Trail Cycleway. The project would result in the shifting of the shared path about five metres to the east however the connection to the shared path either side of the alignment would not change Therefore, there would be no ongoing impacts to pedestrian and cycling networks within the project site.

The project site is located at a distance from links to other active transport networks within the study area (as described in section 3.8.2). The project would not introduce any obstructions or result in disconnection of the pedestrian and cycle network, therefore the project would reinstate like for like within the project site only. The development of an urban design landscape concept identified an opportunity to integrate cycling and pedestrian elements with surrounding networks through the provision of wayfinding signage. This would result in improved awareness of the Parramatta to Liverpool Cycle Trail and an improved user experience. Provision of signage would also consider other features within proximity of the project that may be useful to reference for users of the cycle trail. The provision of wayfinding signage would be explored as part of development of the urban design and landscape plan during detailed design. This is described further in Technical Report 10 – Landscape and visual impact assessment.

6.1.3 Access impacts

There would be no changes to access arrangements for properties located along Broomfield Street.

6.1.4 Parking impacts

The realignment of Broomfield Street is required to accommodate the widened rail corridor and new track which will run as the Cabramatta Loop. As a result of space constraints, this realignment would see angled parking along the western side of Broomfield Street converted to parallel parking. This could result in a permanent loss of up to 11 spaces. The permanent loss in parking would be considered a minor impact as parking surveys (see Appendix C) indicated Broomfield Street has capacity to absorb the potential loss. Capacity of up to 76 spaces south of Cabramatta Station was observed (see section 3.5) particularly between Sussex Street and Junction Street. As Broomfield Street between Sussex Street and Junction Street is within walking distance (up to 800 metres) the spare capacity is considered appropriate to offset parking lost as a result of the project.

6.1.5 Maintenance vehicle impacts

Maintenance vehicles will need to access the rail corridor to undertake routine maintenance activities on the passing loop as per existing maintenance arrangements. Maintenance works would be undertaken during possessions and would be managed in accordance with ARTC's existing EPL and standard operating procedures. As a result there are no additional impacts anticipated.

7. Mitigation and management measures

7.1 Construction traffic management

A Construction Traffic Management Plan (CTMP) should be developed and implemented prior to works to minimise the construction impacts identified as part of this assessment. The CTMP should be prepared in accordance with the Australian Standard 1742.3-2002: Traffic Control for Works on Roads and the NSW Roads and Maritime Services QA Specification G10 “Traffic Control at Worksites”.

The CTMP is to be developed in consultation with governing authorities including but not limited to Fairfield City Council, Liverpool City Council, Transport for NSW, Roads and Maritime Services, and transport/emergency services.

All site workers should be inducted into the relevant requirements of the CTMP as part of the site induction.

The primary objectives of the CTMP are to:

- minimise the impact of construction vehicle traffic on the overall operation of the road network
- provide continuous, safe and efficient movement of traffic for both the general public and construction workers
- define the use of appropriate advance warning signs to inform users of the changed traffic condition
- outline a description of the construction vehicles and the volume of these construction vehicles accessing/egressing the construction site
- provide measures to mitigate traffic, transport and access impacts
- provide information regarding changed access arrangements and also a description of the proposed external routes for vehicles including the construction vehicles accessing the site
- establish a safe pedestrian and bicycle riding environment in the vicinity of the site.

Mitigation measures that should be included in the CTMP at a minimum to mitigate the impacts identified within this assessment are provided below. The headings of the below sections denote the impacts that these mitigation measures are addressing.

7.1.1 On-street parking

Mitigation measures for the loss of on-street parking due to construction impacts is discussed in this section.

Parking during the construction period

Loss of parking could potentially be absorbed by available parking within surrounding streets. On street parking available in streets adjacent to Broomfield Street (ie National and Cumberland Streets) are outside the study area, but have the potential to assist in absorbing the temporary loss of parking in Broomfield Street during construction. The walking distance to the station from these roads is comparable to Broomfield Street.

Where practicable, alternative off-street parking would be provided. In addition, some works may be required to adjust the property to ensure its suitability as a temporary car park, such as constructing a hard stand, installing temporary lighting, providing temporary fencing, and ensuring appropriate driveway access and suitable visibility is provided upon access and egress

to the car park. The following sites have been identified as potential alternative parking locations, and would be subject to agreement with landholders and consultation with Fairfield Council:

Option 1 – Broomfield Street in proximity of Cabramatta Station: This location is a vacant block of land situated in proximity of Cabramatta Station. The vacant block is bordered by commercial use, an educational institution and a multi-storey car park. The lot, which was vacant at the time of writing could potentially accommodate approximately 40 temporary parking spaces.

Option 2 – Bridge Street: This location is around 200 metres from Cabramatta Station and is predominantly surrounded by high density residential lots. The lot would allow dual entry/exit points via Bridge Street and Boundary Lane and could accommodate approximately 40 temporary parking spaces.

Option 3 – Broomfield Street: at around 500 metres from Cabramatta Station, this lot is surrounded predominantly by low density residential dwellings. The lot would be ideal for temporary parking. However, while Fairfield City Council suggested a walking limit of 500 metres to Cabramatta Station would be appropriate, the NSW Planning Guidelines for Walking and Cycling (2004) has identified that commuter parking could be considered acceptable up to 800 metres from the station. This lot could potentially accommodate up to 40 spaces; however, entering and exiting the lot could be constrained during the reconfiguration of Broomfield Street. This is not considered a preferred option if other options are available as it would provide temporary additional parking where there is already parking capacity in the network.

Option 4 – Railway Parade: This location is on the western side of the rail corridor and within 150 metres of Cabramatta Station. The site is currently hardstand and would therefore require minimum works to utilise it as a temporary parking area. The lot would likely accommodate around 100 temporary parking spaces.

Construction Worker Parking

Construction workers are to be encouraged not to use on street parking where practically possible, as there are designated compounds to be allocated for construction workers (see section 7.1.4). Sustainable transport options should be encouraged to reduce traffic and parking demands including car pooling and the use of public transport within proximity of the site.

7.1.2 Reduced road network performance

Where possible, heavy vehicle traffic movements should be minimised during the road network peak periods. This includes during the weekday AM and PM peak periods and during the middle of the day on weekends when higher traffic volumes occur.

Heavy vehicle activity should be avoided, where possible, during school pick-up and drop-off periods (8:00 am to 9:30 am and 2:30 pm to 4:00 pm school days) in the vicinity of schools, when pedestrian and vehicle activity is generally greater.

Proposed construction vehicle access routes are shown in section 4.1.6.

Public access around the site is expected to be maintained on the surrounding road network (with the excption of short term road closures). Vehicles will be permitted to travel past the work site, controlled by traffic signage as prescribed by a Traffic Control Plan (TCP) to be developed in accordance with Roads and Maritime's *Traffic Control at Works Sites* and AS1742.3 – Traffic Control for Works on Roads. This will advise motorists of changes in road network or vehicle movements to/from the site, including any 'truck turning' activities.

Road closures

Partial or full road closures are anticipated during the works on Broomfield Street as outlined in section 5.2. The extent and duration of temporary road closures are to be minimised, with diversions in place to the adjoining road network.

Roadworks speed zones

Work areas are to provide safe clearances from through traffic lanes in line with Roads and Maritime's *Traffic Control at Works Sites Manual*.

Should road works speed zones be required, the contractor will develop necessary plans and obtain approvals by the governing authority (Roads and Maritime) in consultation with the local council.

7.1.3 Delays due to oversize vehicle movements

It is assumed that there are to be cranes and semi-trailers that will assist in transportation and construction of the proposed bridges. Delays to road users due to the delivery of oversized vehicles would be mitigated through implementation of the CTMP.

Oversized vehicles would use designated heavy vehicle routes or routes approved by Roads and Maritime. Additionally, oversized traffic movements should be carried out, where possible, outside peak road network periods, minimising the impacts on the road network.

Major road networks such as Cabramatta Road East and the Hume Highway are proposed to be used for access to the site. Should oversized vehicles be required, the contractor would be responsible to obtain necessary permits/approvals and provide site specific Traffic Control Plans for the major road networks from the governing authority such as Roads and Maritime Services and the local Council.

7.1.4 Parking for construction workers

It is proposed that the following parking areas for workers would also be established along the project site. These sites are listed below:

- part of Jacquie Osmond Reserve adjacent to the rail corridor
- behind Hyundai on Sappho Road (within Hometown, Warwick Farm)
- within Stroud Park, west of the rail corridor
- within the vacant grassed verge of the rail corridor just south of Warwick Farm Station
- parking within the rail corridor (where permitted).

It is anticipated that access to the site by site personnel from the surrounding road network may occur outside the AM and PM peak hour periods. Construction contractors should be encouraged not to park within the road network or commuter parking facilities, but in designated construction parking areas. A car parking area is to be allocated to accommodate the peak site construction personnel. It is anticipated that approximately 60 to 80 worker's vehicles could be accommodated within the site compounds.

Because there is limited parking within the immediate vicinity of the site, alternative transport options should be considered to support construction workers on the project.

Encouraging carpooling between workers will reduce traffic activity and parking demand. The site is located near Cabramatta and Warwick Farm Stations. Promoting the use of such public transport options will greatly assist in reducing traffic movements associated with staff arrival and departure and parking demands to be accommodated within the worksite.

7.1.5 Site establishment plan

A detailed site establishment plan is to be developed in future detail design stages. The plan should incorporate sufficient area to allow vehicle queuing within the site to minimise impacts on the surrounding road network, and suitable turning areas within the site to allow vehicles to enter and exit in a forward direction. Swept path analysis would be required to confirm that manoeuvrability throughout the site plan is satisfactory for designated design construction vehicles.

Vehicles are not to park or queue within the surrounding round network.

7.1.6 Bicycle rider management

Bicycle riders will be managed by temporary diversions around construction and work zones as described in section 5.3.

Appropriate traffic management is to be in place to direct bicycle riders past the work site(s). This may include creating a mixed vehicle/bicycle environment on local low volume, low speed roads and providing advanced warning of changed conditions for bicycle riders. Worksite traffic control plans in accordance with Roads and Maritime's *Traffic Control at Works Sites Manual* and AS1742.3 – Traffic Control for Works on Roads must include guidance for managing bicycle riding routes.

7.1.7 Pedestrian management

Pedestrians will be managed by temporary diversions around construction and work zones as described in section 5.3.

Construction site access is to be restricted to authorised personnel only. Pedestrian access around the site areas will be maintained at all times. This will be particularly important during the AM and PM peak periods, as a result of pedestrian demands associated with the local shopping precinct and workers travelling to and from key employment areas such as Sydney CBD and Parramatta CBD.

A designated safe path of travel for pedestrians should be maintained near all worksites. Appropriate signage will be in place should pedestrian diversions be required.

Within the site, safe walking paths for site personnel should be maintained to key access areas, and should be outlined in the detailed CTMP.

A TCP will be required to be developed to be in accordance with Roads and Maritime's *Traffic Control at Works Sites* manual and AS1742.3 – Traffic Control for Works on Roads and it is to consider the pedestrian activity adjacent to the construction site.

7.1.8 Access to properties

Driveway and pedestrian access to properties adjoining the works is to be maintained as far as practicable throughout the works. Any temporary closures, if required, are to be of short duration (up to one day) with the agreement of the property owner.

As these works would be undertaken progressively, this would minimise the duration of time that driveways would be impacted. Potential impacts would be managed through the development of a CTMP. Potentially affected property owners and residents will be contacted before the commencement of works. Residents will be notified via door knocks, newsletters or letter box drops providing information on the proposed works, working hours and a contact name and number should any complaints wish to be registered.

Open trenches will be filled or covered using road plates at the end of each day to minimise impacts on vehicular access to properties.

Jacquie Osmond Reserve

Traffic will need to be managed in and around Jacquie Osmond Reserve through consultation between the contractor and local council and sporting associations that utilise the reserve. This will minimise conflict between construction traffic, vehicles and pedestrians at the reserve particularly during weekend periods when sporting activities are likely to occur.

The contractor will consult with Liverpool City Council and the relevant sporting associations with regards to scheduling and access arrangements when works are being undertaken on Cabramatta Creek bridge, to minimise the potential impacts associated with the loss of access to informal parking in Jacquie Osmond Reserve.

7.1.9 Road hazards

The proposed works within the road network and rail corridor may present hazards for workers, the public and surrounding facilities. Such relevant issues have been raised and addressed within the assessment. The CTMP should identify specific mitigation measures for identified road hazards associated with the works with consideration to the Traffic, Transport and Access Impact Assessment including:

- Environmental:
  - fog
  - wet weather
  - frost.
- Transport infrastructure:
  - bus infrastructure
  - railway line and train services
  - bicycle facilities
  - general traffic
  - pedestrian activity.
- Public facilities:
  - shops fronting Broomfield Street (opposite Cabramatta Station)
  - Cabramatta Sports Ground off Sussex Street.
- Education facilities:
  - Lawrence Hargrave School – 3 Station Street, Warwick Farm
  - Cabramatta Public School – Cabramatta Road East/Cumberland Street.
  - Jacquie Osmond softball reserve
  - the above road hazard can be mitigated with communication to workers via tool box talks and inductions, while members of the public can be advised by advanced on road and advance notification of works as outlined below.

7.1.10 Method of communicating traffic changes

Advance notification of upcoming works is paramount to safety and the efficient delivery of the project. The following outlines communication measures to be considered in the detailed CTMP.

On road communication

TCPs are to be developed in accordance with Australian Standards (AS 1742.3 – Traffic Control Devices for Works on Roads) and Roads and Maritime's *Traffic Control at Worksites Manual* to

identify appropriate signage (and location) to advise motorists of upcoming changes in the road network.

Sign size should be a minimum size 'A' on roads with traffic speeds up to 90 km/h (sign location up to eight metres offset from the traffic lane) or 110 km/h (sign location up to 4.5 metres offset from the traffic lane). In other locations where the above offsets are exceeded, signs are to be a minimum size 'B'.

The use of variable message signs (VMS) provides benefit to the local community and visitors to convey messages of upcoming impacts on the road network as the result of construction activity. VMS (if required) should be installed in locations and used in accordance with relevant guidelines with the necessary approvals from governing authorities.

Advance notification of works

Access to properties adjoining the works is to be maintained throughout the works. Any temporary closures, if required, are to be of short duration (up to one day) with the agreement of the property owner.

Prior to commencement of works on site, the contractor is to inform neighbouring properties of proposed works, impacts and site contact information. Notification can be provided by various means including:

- letterbox distribution
- local paper
- Transport for NSW and local council websites.

7.1.11 Emergency services

While hospitals are not directly impacted by the proposed works, ambulance services and other emergency services (i.e. fire and police) should be considered in developing the CTMP. The road network within the site area should facilitate the access of emergency service vehicles by providing minimum lanes width of 3.5 metres (where possible). Emergency services are required to be notified by the contractor of ongoing works and changes to the road network.

7.2 Operational mitigation measure

7.2.1 Permanent parking

Eleven car spaces are likely to be lost at the operational stage. Broomfield Street has additional parking capacity, particularly between Sussex Street and Junction Street (up to 74 spaces) and Broomfield Street south of Junction Street where existing utilisation is less than 50 percent. As Broomfield Street between Sussex Street and Junction Street is within walking distance (up to 800 metres) and has spare capacity, it is considered appropriate that there is available efficiencies within the area to offset parking lost as a result of the project.

No further mitigation is proposed for operation with other road network operations being reverted to exiting conditions upon completion of the project.

8. Conclusions and recommendations

This report details the traffic, parking and transport impacts during the construction and operation of the proposed Cabramatta Loop. In addition, a preliminary CTMP is provided for future contractors when developing a detailed CTMP prior to construction.

8.1 Construction impacts

A review of the expected construction impacts identified the following:

- Based upon the adopted assumptions, the intersection analysis outlines there would be a minor increase in average delay at signalised intersections such as at Hume Highway/Mannix Parade, with LoS B increasing to LoS C in AM peak and LoS C to LoS D in the PM peak. Sappho Road/Hume Highway increases from LoS A to LoS B in the PM peak. However, LoS D remains within acceptable limits of level of service.
- There would be some temporary impacts on parking and traffic flow on Broomfield Street, which are likely to be managed effectively by the CTMP, including:
  - Parking lost during construction. This is likely to be absorbed by some free capacity on Broomfield Street, or on the surrounding road network. ARTC is investigating options for temporary parking lots close to Cabramatta Station which would support the reduction of parking spaces during construction.
  - One lane of traffic would be closed. The other would be kept open (either northbound or southbound) under direction of traffic controllers. These traffic impacts are expected to be minor.
- Temporary diversion of the shared path on Broomfield Street at each stage of construction:
  - Bicycle riders to leave the shared path at point of construction zone and directed on road to mixed traffic conditions.
  - Pedestrians to leave shared path at the point of construction zone and directed to cross Broomfield Street from the west to the east side.
- A temporary shared path would be built to divert around the proposed bridge works at Cabramatta Creek during Cabramatta Creek Bridge abutment works.
- During bridge construction of Cabramatta Creek Bridge (up to two weeks), bicycle riders and pedestrians that desire access to the creek crossing would need to be diverted to Cabramatta Road to cross to the western side causing longer travel times.

8.2 Operation impacts

There are no changes expected to occur to the existing road network, access arrangements to public transport or the road network as a result of the project. The project is also not expected to generate any additional traffic movements or impacts to public and active transport. Therefore the existing intersections reviewed within the study area are anticipated to remain at their current level of operation following the completion of the works. In addition, permanent locations for parking are being explored by ARTC and local council to provide additional parking spaces.

8.3 Construction traffic and pedestrian management

A detailed CTMP is required to be prepared before the start of works, with site induction for construction personnel being undertaken to outline the requirements of the CTMP. The aim of the CTMP is to maintain the safety of all workers and road users within the vicinity of the site and outline mitigation measures for construction traffic impacts.

The plan is to include such items as:

- vehicle approach routes
- traffic management and TCP
- workers transportation and on-site parking provisions
- pedestrian and bicycle rider management
- oversize vehicle permit requirements
- road hazards (including environmental, transportation infrastructure, emergency services and public facilities etc)
- methods of communicating traffic changes to the local community and visitors to the area.

A number of mitigation measures have been provided in this report to mitigate the traffic, transport and access impacts identified in this assessment. These mitigation measures would need to be incorporated into the CTMP which would be developed in consultation with Liverpool City Council, Fairfield Council, Transport for NSW and Roads and Maritime Services.

8.4 Conclusion

Construction

Based on the assumptions and investigations undertaken by GHD and the conclusions drawn in this report, it is considered that the proposed Cabramatta Loop works provide satisfactory amenity and that the road and transport network operations would be retained at an acceptable LoS during construction. This would be subject to the implementation of a detailed CTMP by the contractor (addressing the impacts identified in this Traffic, Transport and Access Impact Assessment), before construction.

Operation

There are no changes expected to occur to the existing road network, access arrangements to public transport or the road network as a result of the project. The project is also not expected to generate any additional traffic movements or impacts to public and active transport. Therefore the existing intersections reviewed within the study area are anticipated to remain at their current level of operation following the completion of the works.

While there is a minor loss in parking in Broomfield Street following completion of the works, there is spare capacity within the parking provision within the study area. The available spaces are within 800 m of the station, which is considered suitable walking distance to key nodes of transport for the use of commuters, visitors and residents in the area.

Appendices

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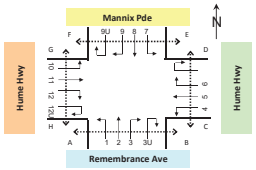
Appendix A – Traffic count surveys

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 1. Hume Hwy / Mannix Pde
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data

Classifications	**Class 1**	**Class 2**	**Class 3**	**Class 4**
	Lights	Heavies	Buses	Cyclists



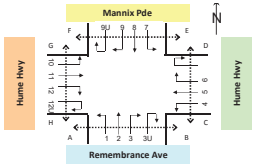
MATRIX Traffic and Transport Data

Approach	Remembrance Ave																				Hume Hwy																				
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 6:45	8	0	0	0	**8**	1	0	0	0	**1**	23	1	0	0	**24**	0	0	0	0	**0**	26	1	0	0	**27**	301	19	0	0	**320**	1	0	0	0	**1**	0	0	0	0	**0**
6:45 to 7:00	6	0	0	0	**6**	0	0	0	0	**0**	18	1	0	0	**19**	0	0	0	0	**0**	34	0	0	0	**34**	245	23	2	0	**270**	3	0	0	0	**3**	0	0	0	0	**0**
7:00 to 7:15	9	0	0	0	**9**	1	0	0	0	**1**	21	0	0	1	**22**	0	0	0	0	**0**	23	0	0	0	**23**	250	25	2	0	**277**	1	0	0	0	**1**	0	0	0	0	**0**
7:15 to 7:30	15	1	0	0	**16**	1	0	0	0	**1**	10	0	0	0	**10**	0	0	0	0	**0**	27	1	0	0	**28**	252	26	2	0	**280**	11	0	0	0	**11**	0	0	0	0	**0**
7:30 to 7:45	21	0	0	0	**21**	3	0	0	0	**3**	20	0	0	0	**20**	0	0	0	0	**0**	28	0	0	0	**28**	311	32	1	0	**344**	4	1	0	0	**5**	0	0	0	0	**0**
7:45 to 8:00	16	2	0	0	**18**	3	0	0	0	**3**	15	0	0	0	**15**	0	0	0	0	**0**	32	1	0	0	**33**	259	12	3	0	**274**	11	2	0	0	**13**	0	0	0	0	**0**
8:00 to 8:15	18	1	0	0	**19**	5	0	0	0	**5**	21	0	0	0	**21**	0	0	0	0	**0**	37	0	0	0	**37**	317	32	3	0	**352**	18	1	0	0	**19**	0	0	0	0	**0**
8:15 to 8:30	15	0	0	0	**15**	10	0	0	0	**10**	19	0	0	0	**19**	0	0	0	0	**0**	34	0	0	0	**34**	313	42	1	0	**356**	13	0	0	0	**13**	0	0	0	0	**0**
8:30 to 8:45	18	0	0	0	**18**	14	0	0	0	**14**	35	2	0	0	**37**	0	0	0	0	**0**	20	1	0	0	**21**	288	61	0	0	**349**	3	0	0	0	**3**	0	0	0	0	**0**
8:45 to 9:00	10	1	0	0	**11**	13	1	0	0	**14**	13	0	0	0	**13**	0	0	0	0	**0**	26	1	0	0	**27**	356	45	0	0	**401**	11	0	0	0	**11**	0	0	0	0	**0**
9:00 to 9:15	11	0	0	0	**11**	1	0	0	0	**1**	17	0	0	0	**17**	0	0	0	0	**0**	14	0	0	0	**14**	335	43	2	0	**380**	11	0	0	0	**11**	0	0	0	0	**0**
9:15 to 9:30	8	0	0	0	**8**	2	0	0	0	**2**	18	0	0	0	**18**	0	0	0	0	**0**	12	0	0	0	**12**	278	47	0	0	**325**	0	0	0	0	**0**	0	0	0	0	**0**
AM Totals	**155**	**5**	**0**	**0**	**160**	**54**	**1**	**0**	**0**	**55**	**230**	**4**	**0**	**1**	**235**	**0**	**0**	**0**	**0**	**0**	**313**	**5**	**0**	**0**	**318**	**3,505**	**407**	**16**	**0**	**3,928**	**87**	**4**	**0**	**0**	**91**	**0**	**0**	**0**	**0**	**0**
15:30 to 15:45	28	0	0	0	**28**	0	0	0	0	**0**	36	0	0	0	**36**	0	0	0	0	**0**	22	0	0	0	**22**	481	31	1	0	**513**	13	0	0	0	**13**	0	0	0	0	**0**
15:45 to 16:00	33	0	0	0	**33**	4	0	0	0	**4**	39	1	0	0	**40**	0	0	0	0	**0**	16	0	0	0	**16**	464	28	2	0	**494**	13	1	0	0	**14**	0	0	0	0	**0**
16:00 to 16:15	25	0	0	0	**25**	7	0	0	0	**7**	32	0	0	0	**32**	0	0	0	0	**0**	12	0	0	0	**12**	455	20	2	0	**477**	17	0	0	0	**17**	0	0	0	0	**0**
16:15 to 16:30	33	0	0	0	**33**	3	0	0	0	**3**	44	1	0	0	**45**	0	0	0	0	**0**	15	0	0	0	**15**	482	25	0	0	**507**	10	0	0	0	**10**	0	0	0	0	**0**
16:30 to 16:45	38	0	0	0	**38**	6	0	0	0	**6**	33	0	0	0	**33**	0	0	0	0	**0**	13	0	0	0	**13**	543	28	1	0	**572**	14	0	0	0	**14**	0	0	0	0	**0**
16:45 to 17:00	37	0	0	0	**37**	10	0	0	0	**10**	36	0	0	0	**36**	0	0	0	0	**0**	21	1	0	0	**22**	458	19	1	0	**478**	13	1	1	0	**15**	0	0	0	0	**0**
17:00 to 17:15	46	1	0	0	**47**	6	0	0	0	**6**	54	0	0	0	**54**	0	0	0	0	**0**	14	0	0	0	**14**	423	13	0	0	**436**	21	0	0	0	**21**	0	0	0	0	**0**
17:15 to 17:30	39	0	0	0	**39**	5	0	0	0	**5**	43	0	0	0	**43**	0	0	0	0	**0**	9	0	0	0	**9**	459	21	0	0	**480**	11	0	0	0	**11**	0	0	0	0	**0**
17:30 to 17:45	33	0	0	0	**33**	3	0	0	0	**3**	41	0	0	0	**41**	0	0	0	0	**0**	22	0	0	0	**22**	455	18	1	0	**474**	11	0	0	0	**11**	0	0	0	0	**0**
17:45 to 18:00	32	0	0	0	**32**	6	0	0	0	**6**	28	0	0	0	**28**	0	0	0	0	**0**	9	0	0	0	**9**	465	13	0	0	**478**	7	0	0	0	**7**	0	0	0	0	**0**
18:00 to 18:15	38	0	0	0	**38**	3	0	0	0	**3**	37	0	0	0	**37**	0	0	0	0	**0**	12	0	0	0	**12**	361	14	0	0	**375**	12	0	0	0	**12**	0	0	0	0	**0**
18:15 to 18:30	57	0	0	0	**57**	7	0	0	0	**7**	23	0	0	0	**23**	0	0	0	0	**0**	20	0	0	0	**20**	355	13	0	0	**368**	9	0	0	0	**9**	0	0	0	0	**0**
PM Totals	**439**	**1**	**0**	**0**	**440**	**60**	**0**	**0**	**0**	**60**	**446**	**2**	**0**	**0**	**448**	**0**	**0**	**0**	**0**	**0**	**185**	**1**	**0**	**0**	**186**	**5,401**	**243**	**8**	**0**	**5,652**	**151**	**2**	**1**	**0**	**154**	**0**	**0**	**0**	**0**	**0**

Approach	Mannix Pde																				Hume Hwy																				Crossing Pedestrians								
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 6:45	7	0	0	0	**7**	2	0	0	0	**2**	11	1	0	0	**12**	0	0	0	0	**0**	0	0	0	0	**0**	502	41	3	0	**546**	66	0	0	0	**66**	0	0	0	0	**0**	1	0	0	0	0	0	1	1	**3**
6:45 to 7:00	11	0	0	0	**11**	3	0	0	0	**3**	12	0	1	0	**13**	0	0	0	0	**0**	3	0	0	0	**3**	472	40	1	0	**513**	97	0	0	0	**97**	0	0	0	0	**0**	2	0	0	0	0	0	0	3	**5**
7:00 to 7:15	9	0	0	0	**9**	1	0	0	0	**1**	11	0	0	0	**11**	0	0	0	0	**0**	7	0	0	0	**7**	472	40	2	0	**514**	67	0	0	0	**67**	0	0	0	0	**0**	0	0	0	0	3	0	0	0	**3**
7:15 to 7:30	12	0	0	0	**12**	4	0	0	0	**4**	6	0	1	0	**7**	0	0	0	0	**0**	13	0	0	0	**13**	510	32	0	0	**542**	58	1	0	0	**59**	0	0	0	0	**0**	2	1	0	0	2	1	0	3	**9**
7:30 to 7:45	6	0	0	0	**6**	4	0	0	0	**4**	16	0	0	0	**16**	0	0	0	0	**0**	10	0	0	0	**10**	504	34	2	0	**540**	47	2	1	0	**50**	0	0	0	0	**0**	2	0	0	0	1	2	1	6	**12**
7:45 to 8:00	18	1	0	0	**19**	3	0	0	0	**3**	14	0	1	0	**15**	0	0	0	0	**0**	11	0	0	0	**11**	458	28	0	0	**486**	32	0	0	0	**32**	0	0	0	0	**0**	1	3	0	0	1	0	1	8	**14**
8:00 to 8:15	18	2	0	0	**20**	5	0	0	0	**5**	9	0	0	0	**9**	0	0	0	0	**0**	7	1	0	0	**8**	447	37	3	0	**487**	33	0	0	0	**33**	0	0	0	0	**0**	1	0	0	0	1	0	1	10	**13**
8:15 to 8:30	18	0	0	0	**18**	5	0	0	0	**5**	18	0	1	0	**19**	0	0	0	0	**0**	5	0	0	0	**5**	467	32	3	0	**502**	46	0	0	0	**46**	0	0	0	0	**0**	1	0	0	0	0	0	5	19	**25**
8:30 to 8:45	14	1	0	0	**15**	13	0	0	0	**13**	25	0	0	0	**25**	0	0	0	0	**0**	10	1	0	0	**11**	378	29	0	0	**407**	47	0	0	0	**47**	0	0	0	0	**0**	2	1	0	0	1	1	27	6	**38**
8:45 to 9:00	16	0	0	0	**16**	4	0	0	0	**4**	15	0	0	0	**15**	0	0	0	0	**0**	9	0	0	0	**9**	442	17	5	0	**464**	30	0	0	0	**30**	0	0	0	0	**0**	1	0	0	0	1	2	14	11	**29**
9:00 to 9:15	26	0	0	0	**26**	6	0	0	0	**6**	20	1	0	0	**21**	0	0	0	0	**0**	6	0	0	0	**6**	364	33	0	0	**397**	11	0	0	0	**11**	0	0	0	0	**0**	2	1	0	0	1	0	3	4	**11**
9:15 to 9:30	9	0	0	0	**9**	5	0	0	0	**5**	10	1	0	0	**11**	0	0	0	0	**0**	12	0	0	0	**12**	357	36	1	0	**394**	11	0	0	0	**11**	0	0	0	0	**0**	1	0	0	0	0	2	7	0	**10**
AM Totals	**164**	**4**	**0**	**0**	**168**	**55**	**0**	**0**	**0**	**55**	**167**	**3**	**4**	**0**	**174**	**0**	**0**	**0**	**0**	**0**	**93**	**2**	**0**	**0**	**95**	**5,373**	**399**	**20**	**0**	**5,792**	**545**	**3**	**1**	**0**	**549**	**0**	**0**	**0**	**0**	**0**	**16**	**6**	**0**	**0**	**8**	**11**	**60**	**71**	**172**
15:30 to 15:45	15	0	0	0	**15**	2	0	0	0	**2**	14	0	1	0	**15**	0	0	0	0	**0**	7	0	0	0	**7**	396	29	0	0	**425**	17	0	0	0	**17**	0	0	0	0	**0**	1	4	0	0	1	0	8	7	**21**
15:45 to 16:00	11	0	0	0	**11**	0	0	0	0	**0**	14	0	1	0	**15**	0	0	0	0	**0**	13	0	0	0	**13**	368	17	2	0	**387**	7	0	1	0	**8**	0	0	0	0	**0**	1	0	0	0	2	2	7	0	**12**
16:00 to 16:15	15	0	0	0	**15**	5	0	0	0	**5**	14	0	0	0	**14**	0	0	0	0	**0**	12	0	1	0	**13**	383	20	2	0	**405**	13	0	0	0	**13**	0	0	0	0	**0**	1	0	0	0	0	1	2	1	**5**
16:15 to 16:30	7	0	0	0	**7**	1	0	0	0	**1**	10	0	1	0	**11**	0	0	0	0	**0**	6	0	0	0	**6**	368	17	1	0	**386**	11	0	0	0	**11**	0	0	0	0	**0**	3	0	2	0	5	1	8	6	**25**
16:30 to 16:45	13	0	0	0	**13**	3	0	0	0	**3**	19	0	0	0	**19**	0	0	0	0	**0**	10	0	0	0	**10**	326	21	1	0	**348**	12	0	0	0	**12**	0	0	0	0	**0**	0	1	0	0	3	0	15	1	**20**
16:45 to 17:00	15	2	1	0	**18**	8	1	0	0	**9**	20	0	1	0	**21**	0	0	0	0	**0**	8	3	0	0	**11**	371	22	1	0	**394**	11	0	0	0	**11**	0	0	0	0	**0**	0	2	0	0	1	2	10	3	**18**
17:00 to 17:15	12	0	0	1	**13**	3	0	0	0	**3**	21	0	0	0	**21**	0	0	0	0	**0**	10	0	0	0	**10**	340	18	1	0	**359**	10	0	0	0	**10**	0	0	0	0	**0**	0	0	0	0	4	0	10	2	**16**
17:15 to 17:30	23	0	0	0	**23**	2	0	0	0	**2**	19	0	0	0	**19**	0	0	0	0	**0**	10	0	0	0	**10**	356	24	1	0	**381**	14	0	0	0	**14**	0	0	0	0	**0**	0	0	0	1	2	2	3	3	**11**
17:30 to 17:45	12	0	0	0	**12**	3	0	0	0	**3**	12	0	1	0	**13**	0	0	0	0	**0**	12	0	0	0	**12**	329	16	0	0	**345**	13	0	0	0	**13**	0	0	0	0	**0**	3	2	0	0	1	2	3	2	**13**
17:45 to 18:00	16	0	0	0	**16**	1	0	0	0	**1**	15	0	1	0	**16**	0	0	0	0	**0**	5	0	0	0	**5**	334	16	1	0	**351**	15	1	0	0	**16**	0	0	0	0	**0**	0	0	0	0	5	0	8	2	**15**
18:00 to 18:15	10	0	0	0	**10**	4	0	0	0	**4**	20	0	0	0	**20**	0	0	0	0	**0**	3	0	0	0	**3**	309	33	0	0	**342**	10	0	0	0	**10**	0	0	0	0	**0**	1	0	0	0	1	3	4	4	**13**
18:15 to 18:30	9	1	1	0	**11**	6	0	0	0	**6**	21	0	0	0	**21**	0	0	0	0	**0**	16	1	0	0	**17**	296	18	0	0	**314**	13	1	0	0	**14**	0	0	0	0	**0**	3	0	0	0	0	1	2	2	**8**
PM Totals	**158**	**3**	**2**	**1**	**164**	**38**	**1**	**0**	**0**	**39**	**199**	**0**	**6**	**0**	**205**	**0**	**0**	**0**	**0**	**0**	**112**	**4**	**1**	**0**	**117**	**4,176**	**251**	**10**	**0**	**4,437**	**146**	**2**	**1**	**0**	**149**	**0**	**0**	**0**	**0**	**0**	**13**	**9**	**2**	**1**	**25**	**14**	**80**	**33**	**177**

Job No. : N4541
Client : GHD
Suburb : Cabramatta
Location : 1. Hume Hwy / Mannix Pde

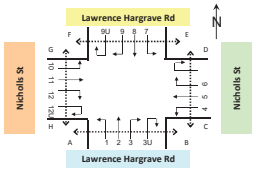
Day/Date : Tue, 23rd October 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary



MATRIX Traffic and Transport Data

| Approach | Remembrance Ave | | | | | | | | | | | | | | | | | | | | Hume Hwy | | | | | | | | | | | | | | | | | | |

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 2. Lawrence Hargrave Rd / Nicholls St
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data



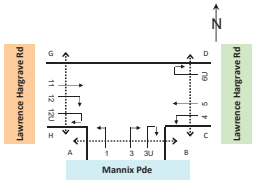
MATRIX Traffic and Transport Data

Classifications	Class 1	Class 2	Class 3	Class 4
	Lights	Heavies	Buses	Cyclists

Approach	Lawrence Hargrave Rd																				Nicholls St																	
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 6:45	0	0	0	0	**0**	0	0	0	0	**0**	7	0	0	0	**7**	0	0	0	0	**0**	2	1	0	0	**3**	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**
6:45 to 7:00	1	0	0	0	**1**	0	0	0	0	**0**	8	0	0	0	**8**	1	0	0	0	**1**	5	0	1	0	**6**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
7:00 to 7:15	0	0	0	0	**0**	1	0	0	0	**1**	4	0	0	0	**4**	0	0	0	0	**0**	9	0	0	0	**9**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
7:15 to 7:30	0	0	0	0	**0**	2	0	0	0	**2**	7	0	0	0	**7**	0	0	0	0	**0**	3	0	1	0	**4**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**
7:30 to 7:45	0	0	0	0	**0**	2	1	0	0	**3**	19	0	0	0	**19**	0	0	0	0	**0**	7	0	0	0	**7**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
7:45 to 8:00	0	0	0	0	**0**	3	0	0	0	**3**	18	0	0	0	**18**	1	0	0	0	**1**	9	0	1	0	**10**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
8:00 to 8:15	1	0	0	0	**1**	1	0	0	0	**1**	16	0	0	0	**16**	0	0	0	0	**0**	5	0	0	0	**5**	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**
8:15 to 8:30	0	1	0	0	**1**	3	0	0	0	**3**	17	0	0	0	**17**	0	0	0	0	**0**	10	0	1	0	**11**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
8:30 to 8:45	0	0	0	0	**0**	4	1	0	0	**5**	15	0	0	0	**15**	0	0	0	0	**0**	12	0	0	0	**12**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
8:45 to 9:00	0	0	0	0	**0**	6	0	0	1	**7**	9	0	0	0	**9**	0	0	0	0	**0**	5	0	0	0	**5**	1	2	0	0	**3**	0	0	0	0	**0**	0	0	0	0	**0**
9:00 to 9:15	0	0	0	0	**0**	6	0	0	0	**6**	2	0	0	0	**2**	0	0	0	0	**0**	12	0	0	0	**12**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
9:15 to 9:30	1	0	0	0	**1**	3	0	0	1	**4**	5	0	0	0	**5**	0	0	1	0	**1**	5	0	1	0	**6**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
AM Totals	**3**	**1**	**0**	**0**	**4**	**31**	**2**	**0**	**2**	**35**	**127**	**0**	**0**	**0**	**127**	**2**	**0**	**1**	**0**	**3**	**84**	**1**	**5**	**0**	**90**	**4**	**2**	**0**	**0**	**6**	**3**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**1**
15:30 to 15:45	0	0	0	0	**0**	7	1	0	0	**8**	6	0	0	0	**6**	0	0	0	0	**0**	4	0	1	0	**5**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
15:45 to 16:00	0	0	0	0	**0**	5	0	0	0	**5**	11	0	0	1	**12**	1	0	0	0	**1**	8	1	1	0	**10**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
16:00 to 16:15	0	0	0	0	**0**	7	0	0	0	**7**	8	0	0	0	**8**	0	0	0	0	**0**	8	0	0	0	**8**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
16:15 to 16:30	0	0	0	0	**0**	4	0	0	1	**5**	7	1	0	0	**8**	0	0	0	0	**0**	6	0	1	0	**7**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
16:30 to 16:45	1	0	0	0	**1**	5	0	0	0	**5**	3	0	0	0	**3**	0	0	0	0	**0**	7	1	0	0	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
16:45 to 17:00	0	1	0	0	**1**	10	0	1	0	**11**	11	0	0	0	**11**	0	0	0	0	**0**	5	0	2	1	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
17:00 to 17:15	1	0	0	0	**1**	8	0	0	0	**8**	7	0	0	0	**7**	0	0	0	0	**0**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
17:15 to 17:30	1	0	0	0	**1**	5	0	0	0	**5**	8	0	0	0	**8**	0	0	0	0	**0**	6	0	0	0	**6**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
17:30 to 17:45	2	0	0	0	**2**	5	0	0	0	**5**	12	0	0	0	**12**	0	0	0	0	**0**	13	0	1	0	**14**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
17:45 to 18:00	0	0	0	0	**0**	4	0	0	1	**5**	8	0	0	0	**8**	1	0	0	1	**2**	10	0	1	0	**11**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**
18:00 to 18:15	0	0	0	0	**0**	4	0	0	0	**4**	17	0	0	0	**17**	0	0	0	0	**0**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
18:15 to 18:30	1	0	0	0	**1**	13	0	0	1	**14**	10	0	0	0	**10**	0	0	0	0	**0**	18	1	1	0	**20**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
PM Totals	**6**	**1**	**0**	**0**	**7**	**77**	**1**	**1**	**3**	**82**	**108**	**1**	**0**	**1**	**110**	**2**	**0**	**0**	**1**	**3**	**101**	**3**	**8**	**1**	**113**	**3**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Approach	Lawrence Hargrave Rd																				Nicholls St																		Crossing Pedestrians								
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 6:45	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	0	**1**
6:45 to 7:00	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	0	0	0	**1**
7:00 to 7:15	1	0	0	1	**2**	3	0	0	0	**3**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	0	0	1	**1**
7:15 to 7:30	0	0	0	0	**0**	4	0	0	0	**4**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
7:30 to 7:45	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	1	0	0	1	1	0	**4**
7:45 to 8:00	0	0	0	0	**0**	6	0	0	0	**6**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	1	0	**2**	2	0	0	0	**2**	0	0	0	0	**0**	0	1	0	0	**1**	0	0	0	0	0	2	0	**2**
8:00 to 8:15	0	0	0	0	**0**	9	0	0	0	**9**	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	0	**1**	1	0	0	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
8:15 to 8:30	1	0	0	0	**1**	6	1	0	0	**7**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	1	0	**2**	1	0	0	0	**1**	2	0	0	0	**2**	0	0	0	0	**0**	0	2	0	0	0	0	2	**4**
8:30 to 8:45	0	0	0	0	**0**	2	1	0	1	**4**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	1	0	1	1	0	**3**
8:45 to 9:00	0	1	0	0	**1**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	6	**6**
9:00 to 9:15	0	0	0	0	**0**	6	0	0	0	**6**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	0	4	3	**8**
9:15 to 9:30	1	0	0	0	**1**	3	0	0	0	**3**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	1	**2**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	0	0	0	**1**
AM Totals	**3**	**1**	**0**	**1**	**5**	**50**	**2**	**0**	**1**	**53**	**1**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**5**	**1**	**10**	**6**	**0**	**0**	**0**	**6**	**9**	**0**	**0**	**0**	**9**	**0**	**1**	**0**	**0**	**1**	**0**	**3**	**3**	**1**	**2**	**1**	**7**	**17**	**34**
15:30 to 15:45	0	0	0	0	**0**	4	0	0	0	**4**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	1	**1**
15:45 to 16:00	0	0	0	0	**0**	4	0	0	0	**4**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	1	0	0	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**	1	0	1	0	0	0	0	**2**
16:00 to 16:15	0	0	0	0	**0**	3	0	0	0	**3**	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	1	0	2	**4**
16:15 to 16:30	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	0	0	3	2	**6**
16:30 to 16:45	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	0	**0**
16:45 to 17:00	0	0	0	0	**0**	11	1	0	0	**12**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	1	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	1	0	1	**2**
17:00 to 17:15	0	0	0	0	**0**	2	0	0	0	**2**	1	0	0	1	**2**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	0	1	0	**2**
17:15 to 17:30	0	0	0	0	**0**	5	0	0	0	**5**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	1	0	**2**	11	0	0	0	**11**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	1	0	0	**1**
17:30 to 17:45	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	1	2	**3**
17:45 to 18:00	0	0	0	0	**0**	5	0	0	0	**5**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	2	0	1	**4**
18:00 to 18:15	0	0	0	0	**0**	4	0	0	0	**4**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	0	0	0	0	0	**2**
18:15 to 18:30	0	0	0	0	**0**	5	0	0	1	**6**	1	0	0	1	**2**	0	0	0	0	**0**	0	0	1	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	3	1	4	
PM Totals	**0**	**0**	**0**	**0**	**0**	**47**	**1**	**0**	**1**	**49**	**3**	**0**	**0**	**2**	**5**	**1**	**0**	**0**	**0**	**1**	**2**	**0**	**7**	**0**	**9**	**13**	**0**	**0**	**0**	**13**	**4**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**5**	**1**	**1**	**1**	**2**	**7**	**8**	**6**	**31**

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 3. Lawrence Hargrave Rd / Mannix Pde
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data



MATRIX Traffic and Transport Data

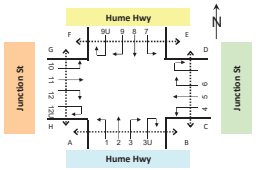
	Class 1	Class 2	Class 3	Class 4
Classifications	Lights	Heavies	Buses	Cyclists

Approach	Mannix Pde															Lawrence Hargrave Rd																	
Direction	Direction 1 (Left Turn)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 6:45	1	0	0	0	**1**	6	0	0	0	**6**	0	0	0	0	**0**	5	1	0	0	**6**	1	0	0	0	**1**	0	0	0	0	**0**
6:45 to 7:00	2	0	0	0	**2**	6	0	0	0	**6**	0	0	0	0	**0**	8	0	1	0	**9**	2	0	0	0	**2**	0	0	0	0	**0**
7:00 to 7:15	4	0	0	0	**4**	5	0	0	0	**5**	0	0	0	0	**0**	11	0	0	0	**11**	4	0	0	0	**4**	0	0	0	0	**0**
7:15 to 7:30	7	0	0	0	**7**	12	0	0	0	**12**	0	0	0	0	**0**	11	0	1	0	**12**	1	0	0	0	**1**	0	0	0	0	**0**
7:30 to 7:45	6	0	0	0	**6**	12	0	0	0	**12**	0	0	0	0	**0**	8	0	0	0	**8**	1	0	0	0	**1**	0	0	0	0	**0**
7:45 to 8:00	7	1	0	0	**8**	15	1	0	0	**16**	0	1	0	0	**1**	18	0	1	0	**19**	3	0	0	0	**3**	0	0	0	0	**0**
8:00 to 8:15	13	0	0	0	**13**	20	0	0	0	**20**	0	0	0	0	**0**	10	1	0	0	**11**	4	0	0	0	**4**	0	0	0	0	**0**
8:15 to 8:30	9	0	0	0	**9**	11	0	0	0	**11**	1	0	0	0	**1**	18	1	1	0	**20**	5	0	0	1	**6**	0	0	0	0	**0**
8:30 to 8:45	12	0	0	0	**12**	17	1	0	0	**18**	3	0	0	0	**3**	11	1	0	1	**13**	6	0	0	0	**6**	0	0	0	0	**0**
8:45 to 9:00	23	0	0	0	**23**	11	0	0	0	**11**	0	0	0	0	**0**	11	0	0	0	**11**	5	0	0	0	**5**	0	0	0	0	**0**
9:00 to 9:15	13	0	0	0	**13**	8	0	0	0	**8**	0	0	0	0	**0**	14	0	0	0	**14**	6	0	0	0	**6**	0	0	0	0	**0**
9:15 to 9:30	5	0	0	0	**5**	7	0	0	0	**7**	0	0	0	0	**0**	7	0	0	0	**7**	3	0	1	0	**4**	0	0	0	0	**0**
AM Totals	**102**	**1**	**0**	**0**	**103**	**130**	**2**	**0**	**0**	**132**	**4**	**1**	**0**	**0**	**5**	**132**	**4**	**4**	**1**	**141**	**41**	**0**	**1**	**1**	**43**	**0**	**0**	**0**	**0**	**0**
15:30 to 15:45	8	0	0	0	**8**	11	0	0	0	**11**	2	0	0	0	**2**	8	0	1	0	**9**	1	0	0	0	**1**	0	0	0	0	**0**
15:45 to 16:00	7	0	0	0	**7**	15	0	0	1	**16**	0	1	0	0	**1**	10	0	1	0	**11**	3	1	0	0	**4**	0	0	0	0	**0**
16:00 to 16:15	10	0	1	0	**11**	14	0	0	1	**15**	1	0	0	0	**1**	10	0	0	0	**10**	3	0	0	0	**3**	0	0	0	0	**0**
16:15 to 16:30	8	0	0	0	**8**	13	1	0	0	**14**	0	0	0	0	**0**	4	0	1	0	**5**	5	0	0	0	**5**	0	0	0	0	**0**
16:30 to 16:45	7	0	0	0	**7**	9	0	0	0	**9**	1	0	0	0	**1**	9	0	0	0	**9**	1	1	0	0	**2**	0	0	0	0	**0**
16:45 to 17:00	19	0	0	0	**19**	10	1	1	0	**12**	0	0	0	0	**0**	13	0	2	1	**16**	5	1	0	0	**6**	0	0	0	0	**0**
17:00 to 17:15	10	0	0	0	**10**	18	0	0	0	**18**	1	0	0	0	**1**	9	0	0	0	**9**	4	0	0	0	**4**	0	0	0	0	**0**
17:15 to 17:30	6	0	0	0	**6**	15	0	0	0	**15**	1	0	0	0	**1**	13	0	0	0	**13**	2	0	0	0	**2**	0	0	0	0	**0**
17:30 to 17:45	11	0	0	0	**11**	17	0	0	0	**17**	0	0	0	0	**0**	9	0	1	0	**10**	5	0	0	0	**5**	0	0	0	0	**0**
17:45 to 18:00	11	0	0	0	**11**	6	0	0	0	**6**	0	0	0	0	**0**	10	0	1	0	**11**	6	0	0	1	**7**	0	0	0	0	**0**
18:00 to 18:15	7	0	0	0	**7**	15	0	0	0	**15**	3	0	0	0	**3**	14	0	0	0	**14**	1	0	0	0	**1**	0	0	0	0	**0**
18:15 to 18:30	7	0	0	0	**7**	22	0	0	0	**22**	0	0	0	0	**0**	13	1	1	0	**15**	5	0	0	1	**6**	0	0	0	0	**0**
PM Totals	**111**	**0**	**1**	**0**	**112**	**165**	**2**	**1**	**2**	**170**	**9**	**1**	**0**	**0**	**10**	**122**	**1**	**8**	**1**	**132**	**41**	**3**	**0**	**2**	**46**	**0**	**0**	**0**	**0**	**0**

Approach	Lawrence Hargrave Rd												Crossing Pedestrians						
Direction	Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)												
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	G	H	Total
6:30 to 6:45	2	0	0	0	**2**	7	0	0	0	**7**	0	0	0	0	**0**	0	1	0	1	0	1	**3**
6:45 to 7:00	4	0	0	0	**4**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	1	0	**1**
7:00 to 7:15	2	0	0	0	**2**	4	0	0	0	**4**	0	0	0	0	**0**	1	1	0	0	2	2	**6**
7:15 to 7:30	2	0	0	0	**2**	10	0	0	0	**10**	0	0	0	0	**0**	0	1	0	0	2	2	**5**
7:30 to 7:45	7	0	0	0	**7**	7	0	0	0	**7**	0	0	0	0	**0**	0	1	0	0	0	2	**3**
7:45 to 8:00	5	0	0	0	**5**	9	1	0	0	**10**	0	0	0	0	**0**	0	2	0	0	0	1	**3**
8:00 to 8:15	2	0	0	0	**2**	14	0	0	0	**14**	0	0	0	0	**0**	3	1	0	0	0	0	**4**
8:15 to 8:30	6	1	0	0	**7**	19	0	0	0	**19**	0	0	0	0	**0**	3	3	0	1	0	1	**8**
8:30 to 8:45	4	0	0	0	**4**	25	0	0	0	**25**	0	0	0	0	**0**	3	1	0	0	2	1	**7**
8:45 to 9:00	4	0	0	1	**5**	19	1	0	0	**20**	0	0	0	0	**0**	5	2	0	0	0	0	**7**
9:00 to 9:15	7	0	0	0	**7**	30	0	0	0	**30**	0	0	0	0	**0**	1	2	0	0	1	2	**6**
9:15 to 9:30	1	0	1	1	**3**	8	0	1	0	**9**	0	0	0	0	**0**	0	0	0	0	1	2	**3**
AM Totals	**46**	**1**	**1**	**2**	**50**	**160**	**2**	**1**	**0**	**163**	**0**	**0**	**0**	**0**	**0**	**16**	**15**	**0**	**2**	**9**	**14**	**56**
15:30 to 15:45	6	0	0	0	**6**	13	0	0	0	**13**	1	0	0	0	**1**	0	0	0	0	1	0	**1**
15:45 to 16:00	3	0	0	0	**3**	6	0	0	0	**6**	1	0	0	0	**1**	2	0	0	0	0	0	**2**
16:00 to 16:15	4	0	0	0	**4**	13	0	0	0	**13**	0	0	0	0	**0**	0	1	0	0	0	0	**1**
16:15 to 16:30	4	0	0	0	**4**	6	0	0	0	**6**	0	0	0	0	**0**	4	0	0	0	0	1	**5**
16:30 to 16:45	6	0	0	0	**6**	11	0	0	0	**11**	0	0	0	0	**0**	0	1	0	0	0	0	**1**
16:45 to 17:00	10	0	0	0	**10**	11	1	0	0	**12**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
17:00 to 17:15	5	0	0	0	**5**	10	0	0	0	**10**	0	0	0	0	**0**	0	1	0	0	0	0	**1**
17:15 to 17:30	1	0	0	0	**1**	13	0	0	0	**13**	0	0	0	0	**0**	0	0	0	0	0	1	**1**
17:30 to 17:45	7	0	0	0	**7**	11	0	0	0	**11**	0	0	0	0	**0**	0	0	0	0	2	1	**3**
17:45 to 18:00	4	0	0	0	**4**	14	0	0	0	**14**	0	0	0	0	**0**	1	1	0	0	0	1	**3**
18:00 to 18:15	8	0	0	0	**8**	9	0	0	0	**9**	0	0	0	0	**0**	1	0	0	0	2	0	**3**
18:15 to 18:30	6	0	0	1	**7**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	1	1	**2**
PM Totals	**64**	**0**	**0**	**1**	**65**	**125**	**1**	**0**	**0**	**126**	**2**	**0**	**0**	**0**	**2**	**8**	**4**	**0**	**0**	**6**	**5**	**23**

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 4. Hume Hwy / Junction St
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data

Classifications	**Class 1**	**Class 2**	**Class 3**	**Class 4**
	Lights	Heavies	Buses	Cyclists



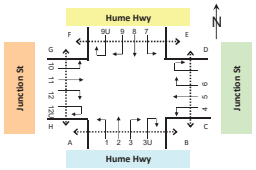
MATRIX Traffic and Transport Data

Approach	Hume Hwy																				Junction St																			
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 6:45	2	0	0	0	2	438	37	4	0	479	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 to 7:00	1	0	0	0	1	406	26	1	0	433	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 to 7:15	0	0	0	0	0	433	25	2	0	460	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 to 7:30	0	0	0	0	0	481	25	1	0	507	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 to 7:45	1	0	0	0	1	467	25	0	0	492	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 to 8:00	0	0	0	0	0	434	19	2	0	455	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 to 8:15	4	0	0	0	4	416	36	2	0	454	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 to 8:30	1	0	0	0	1	423	25	2	0	450	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 to 8:45	3	0	0	0	3	376	41	2	0	419	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 to 9:00	4	0	0	0	4	380	23	3	0	406	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 to 9:15	2	0	0	0	2	335	29	1	0	365	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 to 9:30	6	1	0	0	7	344	34	3	0	381	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Totals	**24**	**1**	**0**	**0**	**25**	**4,933**	**345**	**23**	**0**	**5,301**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**27**	**0**	**0**	**0**	**27**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
15:30 to 15:45	7	0	0	0	7	363	21	0	0	384	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45 to 16:00	3	0	0	0	3	367	17	2	0	386	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00 to 16:15	4	0	0	0	4	312	10	3	0	325	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15 to 16:30	2	0	0	0	2	378	11	1	0	390	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30 to 16:45	2	0	0	0	2	348	16	0	0	364	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45 to 17:00	6	0	0	0	6	376	25	2	0	403	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00 to 17:15	5	0	0	0	5	401	9	0	0	410	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15 to 17:30	5	0	0	0	5	353	11	2	0	366	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30 to 17:45	4	0	0	0	4	325	8	0	0	333	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45 to 18:00	2	0	0	0	2	332	12	1	0	345	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00 to 18:15	3	0	0	0	3	326	13	0	0	339	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:15 to 18:30	3	0	0	0	3	281	9	1	0	291	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Totals	**46**	**0**	**0**	**0**	**46**	**4,162**	**162**	**12**	**0**	**4,336**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**14**	**1**	**0**	**0**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Approach	Hume Hwy																				Junction St																				Crossing Pedestrians								
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 6:45	0	0	0	0	0	375	15	2	0	392	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
6:45 to 7:00	0	0	0	0	0	329	31	1	0	361	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 to 7:15	0	0	0	0	0	298	25	2	0	325	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
7:15 to 7:30	0	0	0	0	0	344	19	3	0	366	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 to 7:45	0	0	0	0	0	363	30	3	0	396	0	0	0	0	0	0	0	0	0	0	6	1	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 to 8:00	0	0	0	0	0	378	16	2	0	396	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 to 8:15	0	0	0	0	0	375	23	2	0	400	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 to 8:30	0	0	0	0	0	391	22	2	0	415	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	4
8:30 to 8:45	0	0	0	0	0	420	20	0	0	440	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:45 to 9:00	0	0	0	0	0	352	32	2	0	386	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:00 to 9:15	0	0	0	0	0	351	32	1	0	384	0	0	0	0	0	0	0	0	0	0	3	0	1	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
9:15 to 9:30	0	0	0	0	0	287	40	0	0	327	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Totals	**0**	**0**	**0**	**0**	**0**	**4,263**	**305**	**20**	**0**	**4,588**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**46**	**2**	**1**	**0**	**49**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**2**	**6**
15:30 to 15:45	0	0	0	0	0	511	28	1	0	540	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45 to 16:00	0	0	0	0	0	481	24	4	0	509	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
16:00 to 16:15	0	0	0	0	0	512	25	1	0	538	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15 to 16:30	0	0	0	0	0	510	30	0	0	540	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30 to 16:45	0	0	0	0	0	502	23	1	0	526	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	1
16:45 to 17:00	0	0	0	0	0	490	19	2	0	511	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
17:00 to 17:15	0	0	0	0	0	517	27	0	0	544	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	1
17:15 to 17:30	0	0	0	0	0	520	23	0	0	543	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	2
17:30 to 17:45	0	0	0	0	0	489	18	1	0	508	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:45 to 18:00	0	0	0	0	0	453	20	0	0	473	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
18:00 to 18:15	0	0	0	0	0	382	24	0	0	406	0	0	0	0	0	0	0	0	0	0	2	0	0	0	2	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	3
18:15 to 18:30	0	0	0	0	0	393	12	0	0	405	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Totals	**0**	**0**	**0**	**0**	**0**	**5,760**	**273**	**10**	**0**	**6,043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**41**	**1**	**0**	**0**	**42**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**4**	**3**	**9**

Job No. : N4541
Client : GHD
Suburb : Cabramatta
Location : 4. Hume Hwy / Junction St

Day/Date : Tue, 23rd October 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary

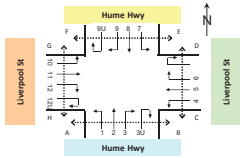


MATRIX Traffic and Transport Data

Approach	Hume Hwy																				Junction St																			
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 7:30	3	0	0	0	3	1,758	113	8	0	1,879	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
6:45 to 7:45	2	0	0	0	2	1,787	101	4	0	1,892	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:00 to 8:00	1	0	0	0	1	1,815	94	5	0	1,914	0	0	0	0	0	0	0	0	0	0	6	0	0	0	6	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:15 to 8:15	5	0	0	0	5	1,798	105	5	0	1,908	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 to 8:30	6	0	0	0	6	1,740	105	6	0	1,851	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:45 to 8:45	8	0	0	0	8	1,649	121	8	0	1,778	0	0	0	0	0	0	0	0	0	0	16	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:00 to 9:00	12	0	0	0	12	1,595	125	9	0	1,729	0	0	0	0	0	0	0	0	0	0	16	0	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:15 to 9:15	10	0	0	0	10	1,514	118	8	0	1,640	0	0	0	0	0	0	0	0	0	0	13	0	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
8:30 to 9:30	15	1	0	0	16	1,435	127	9	0	1,571	0	0	0	0	0	0	0	0	0	0	10	0	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Totals	**24**	**1**	**0**	**0**	**25**	**4,933**	**345**	**23**	**0**	**5,301**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**27**	**0**	**0**	**0**	**27**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**
15:30 to 16:30	16	0	0	0	16	1,420	59	6	0	1,485	0	0	0	0	0	0	0	0	0	0	7	0	0	0	7	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
15:45 to 16:45	11	0	0	0	11	1,405	54	6	0	1,465	0	0	0	0	0	0	0	0	0	0	4	0	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:00 to 17:00	14	0	0	0	14	1,414	62	6	0	1,482	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:15 to 17:15	15	0	0	0	15	1,503	61	3	0	1,567	0	0	0	0	0	0	0	0	0	0	3	0	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:30 to 17:30	18	0	0	0	18	1,478	61	4	0	1,543	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
16:45 to 17:45	20	0	0	0	20	1,455	53	4	0	1,512	0	0	0	0	0	0	0	0	0	0	2	1	0	0	3	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:00 to 18:00	16	0	0	0	16	1,411	40	3	0	1,454	0	0	0	0	0	0	0	0	0	0	3	1	0	0	4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:15 to 18:15	14	0	0	0	14	1,336	44	3	0	1,383	0	0	0	0	0	0	0	0	0	0	4	1	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
17:30 to 18:30	12	0	0	0	12	1,264	42	2	0	1,308	0	0	0	0	0	0	0	0	0	0	5	0	0	0	5	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
PM Totals	**46**	**0**	**0**	**0**	**46**	**4,162**	**162**	**12**	**0**	**4,336**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**14**	**1**	**0**	**0**	**15**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

Approach	Hume Hwy																				Junction St																				Crossing Pedestrians								
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 7:30	0	0	0	0	0	1,346	90	8	0	1,444	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1	0	0	0	0	2
6:45 to 7:45	0	0	0	0	0	1,334	105	9	0	1,448	0	0	0	0	0	0	0	0	0	0	16	1	0	0	17	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7:00 to 8:00	0	0	0	0	0	1,383	90	10	0	1,483	0	0	0	0	0	0	0	0	0	0	21	1	0	0	22	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	0	0	1
7:15 to 8:15	0	0	0	0	0	1,460	88	10	0	1,558	0	0	0	0	0	0	0	0	0	0	17	1	0	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
7:30 to 8:30	0	0	0	0	0	1,507	91	9	0	1,607	0	0	0	0	0	0	0	0	0	0	18	1	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4
7:45 to 8:45	0	0	0	0	0	1,564	81	6	0	1,651	0	0	0	0	0	0	0	0	0	0	20	0	0	0	20	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4
8:00 to 9:00	0	0	0	0	0	1,538	97	6	0	1,641	0	0	0	0	0	0	0	0	0	0	15	1	0	0	16	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4
8:15 to 9:15	0	0	0	0	0	1,514	106	5	0	1,625	0	0	0	0	0	0	0	0	0	0	16	1	1	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	2	0	0	0	0	2	4
8:30 to 9:30	0	0	0	0	0	1,410	124	3	0	1,537	0	0	0	0	0	0	0	0	0	0	16	1	1	0	18	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
AM Totals	**0**	**0**	**0**	**0**	**0**	**4,263**	**305**	**20**	**0**	**4,588**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**46**	**2**	**1**	**0**	**49**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**2**	**6**
15:30 to 16:30	0	0	0	0	0	2,014	107	6	0	2,127	0	0	0	0	0	0	0	0	0	0	15	0	0	0	15	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	1
15:45 to 16:45	0	0	0	0	0	2,005	102	6	0	2,113	0	0	0	0	0	0	0	0	0	0	12	0	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	1
16:00 to 17:00	0	0	0	0	0	2,014	97	4	0	2,115	0	0	0	0	0	0	0	0	0	0	11	0	0	0	11	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	0	2
16:15 to 17:15	0	0	0	0	0	2,019	99	3	0	2,121	0	0	0	0	0	0	0	0	0	0	9	0	0	0	9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	3
16:30 to 17:30	0	0	0	0	0	2,029	92	3	0	2,124	0	0	0	0	0	0	0	0	0	0	8	0	0	0	8	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	1	2	5
16:45 to 17:45	0	0	0	0	0	2,016	87	3	0	2,106	0	0	0	0	0	0	0	0	0	0	9	1	0	0	10	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	0	0	0	1	2	4
17:00 to 18:00	0	0	0	0	0	1,979	88	1	0	2,068	0	0	0	0	0	0	0	0	0	0	12	1	0	0	13	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	1	2	3
17:15 to 18:15	0	0	0	0	0	1,844	85	1	0	1,930	0	0	0	0	0	0	0	0	0	0	11	1	0	0	12	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	2	5
17:30 to 18:30	0	0	0	0	0	1,717	74	1	0	1,792	0	0	0	0	0	0	0	0	0	0	18	1	0	0	19	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	3	0	3
PM Totals	**0**	**0**	**0**	**0**	**0**	**5,760**	**273**	**10**	**0**	**6,043**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**41**	**1**	**0**	**0**	**42**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**	**4**	**3**	**9**

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 5. Hume Hwy / Liverpool St
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data

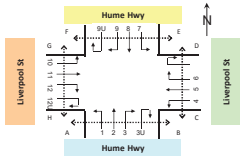


	Class 1	Class 2	Class 3	Class 4
Classifications	Lights	Heavies	Buses	Cyclists

| Approach | Hume Hwy | | |

Job No. : N4541
Client : GHD
Suburb : Cabramatta
Location : S. Hume Hwy / Liverpool St

Day/Date : Tue, 23rd October 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary

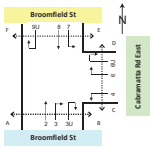


MATRIX Traffic and Transport Data

Approach	Hume Hwy																				Liverpool St																			
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 7:30	88	2	0	0	**90**	1,732	119	6	0	**1,857**	8	0	0	0	**8**	5	0	0	0	**5**	9	0	0	0	**9**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
6:45 to 7:45	97	2	0	0	**99**	1,781	106	3	0	**1,890**	6	0	0	0	**6**	8	0	0	0	**8**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
7:00 to 8:00	129	2	0	0	**131**	1,772	91	4	0	**1,867**	5	1	0	0	**6**	7	0	0	0	**7**	8	1	0	0	**9**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
7:15 to 8:15	151	1	0	0	**152**	1,781	102	4	0	**1,887**	6	1	0	0	**7**	5	0	0	0	**5**	6	1	0	0	**7**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
7:30 to 8:30	190	2	1	0	**193**	1,735	99	6	0	**1,840**	8	1	0	0	**9**	3	0	0	0	**3**	10	1	0	0	**11**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**
7:45 to 8:45	213	2	2	0	**217**	1,639	118	8	0	**1,765**	12	1	0	0	**13**	0	0	0	0	**0**	11	1	0	0	**12**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**
8:00 to 9:00	227	4	2	0	**233**	1,574	126	8	0	**1,708**	17	0	0	0	**17**	1	0	0	0	**1**	14	0	0	0	**14**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**
8:15 to 9:15	222	4	2	0	**228**	1,510	119	8	0	**1,637**	13	0	0	0	**13**	4	0	0	0	**4**	13	0	0	0	**13**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**
8:30 to 9:30	205	3	1	0	**209**	1,406	133	8	0	**1,547**	15	0	0	0	**15**	5	0	0	0	**5**	9	0	0	0	**9**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
AM Totals	**483**	**7**	**2**	**0**	**492**	**4,873**	**351**	**20**	**0**	**5,244**	**31**	**1**	**0**	**0**	**32**	**13**	**0**	**0**	**0**	**13**	**28**	**1**	**0**	**0**	**29**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**0**	**0**	**0**	**1**
15:30 to 16:30	296	2	1	0	**299**	1,384	61	6	0	**1,451**	12	0	0	0	**12**	1	0	0	0	**1**	11	0	0	0	**11**	2	0	0	0	**2**	1	0	0	0	**1**	0	0	0	0	**0**
15:45 to 16:45	294	2	1	0	**297**	1,381	55	6	0	**1,442**	13	0	0	0	**13**	2	0	0	0	**2**	13	0	0	0	**13**	2	0	0	0	**2**	1	0	0	0	**1**	0	0	0	0	**0**
16:00 to 17:00	306	2	0	0	**308**	1,384	64	6	0	**1,454**	14	0	0	0	**14**	2	0	0	0	**2**	11	1	0	0	**12**	1	0	0	0	**1**	1	0	0	0	**1**	0	0	0	0	**0**
16:15 to 17:15	324	2	0	0	**326**	1,499	62	3	0	**1,564**	14	0	0	0	**14**	2	0	0	0	**2**	9	1	0	0	**10**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
16:30 to 17:30	327	0	0	0	**327**	1,457	59	3	0	**1,519**	11	1	0	0	**12**	3	0	0	0	**3**	9	1	0	0	**10**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**
16:45 to 17:45	301	0	0	0	**301**	1,439	57	3	0	**1,499**	15	1	0	0	**16**	2	0	0	0	**2**	10	1	0	0	**11**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
17:00 to 18:00	284	0	0	0	**284**	1,410	40	2	0	**1,452**	15	1	0	0	**16**	4	0	0	0	**4**	11	0	0	0	**11**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**
17:15 to 18:15	251	1	0	0	**252**	1,308	43	2	0	**1,353**	13	1	0	0	**14**	5	0	0	0	**5**	19	0	0	0	**19**	2	0	0	0	**2**	3	0	0	0	**3**	0	0	0	0	**0**
17:30 to 18:30	243	1	0	0	**244**	1,245	44	1	0	**1,290**	17	0	0	0	**17**	4	0	0	0	**4**	23	0	0	0	**23**	2	0	0	0	**2**	3	0	0	0	**3**	0	0	0	0	**0**
PM Totals	**866**	**3**	**1**	**0**	**870**	**4,086**	**164**	**10**	**0**	**4,260**	**40**	**1**	**0**	**0**	**41**	**8**	**0**	**0**	**0**	**8**	**43**	**1**	**0**	**0**	**44**	**4**	**0**	**0**	**0**	**4**	**4**	**0**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**

Approach	Hume Hwy																				Liverpool St																				Crossing Pedestrians								
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 7:30	0	0	0	0	**0**	1,331	91	8	0	**1,430**	46	2	0	0	**48**	0	0	0	0	**0**	36	0	1	0	**37**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	1	1	0	0	0	0	**2**
6:45 to 7:45	0	0	0	0	**0**	1,316	99	10	0	**1,425**	50	2	0	0	**52**	0	0	0	0	**0**	35	0	1	0	**36**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	1	0	0	0	0	0	**1**
7:00 to 8:00	0	0	0	0	**0**	1,375	89	9	0	**1,473**	53	2	0	0	**55**	0	0	0	0	**0**	29	0	1	0	**30**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	2	1	0	0	0	0	0	**3**
7:15 to 8:15	0	0	0	0	**0**	1,423	92	10	0	**1,525**	56	0	0	0	**56**	0	0	0	0	**0**	28	0	1	0	**29**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	2	2	0	1	0	0	0	**5**
7:30 to 8:30	0	0	0	0	**0**	1,449	87	8	0	**1,544**	69	0	1	0	**70**	0	0	0	0	**0**	37	0	0	0	**37**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	1	2	2	0	1	0	0	0	**6**
7:45 to 8:45	1	0	0	0	**1**	1,506	86	4	0	**1,596**	77	0	1	0	**78**	1	0	0	0	**1**	34	0	0	0	**34**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	2	2	2	0	1	0	0	0	**7**
8:00 to 9:00	1	0	0	0	**1**	1,503	97	4	0	**1,604**	79	0	2	0	**81**	1	0	0	0	**1**	37	0	0	0	**37**	1	0	0	0	**1**	0	1	0	0	**1**	0	0	0	0	**0**	2	0	2	0	1	0	0	0	**5**
8:15 to 9:15	1	0	0	0	**1**	1,447	105	2	0	**1,554**	75	0	2	0	**77**	2	0	0	0	**2**	36	0	0	0	**36**	1	0	0	0	**1**	0	1	0	0	**1**	0	0	0	0	**0**	2	0	1	0	0	0	0	0	**3**
8:30 to 9:30	1	0	0	0	**1**	1,347	135	2	0	**1,484**	58	1	1	0	**60**	3	0	0	0	**3**	37	1	1	0	**39**	1	0	0	0	**1**	0	1	0	0	**1**	0	0	0	0	**0**	1	0	0	0	0	0	0	0	**1**
AM Totals	**1**	**0**	**0**	**0**	**1**	**4,127**	**313**	**18**	**0**	**4,458**	**173**	**3**	**2**	**0**	**178**	**3**	**0**	**0**	**0**	**3**	**110**	**1**	**2**	**0**	**113**	**1**	**0**	**0**	**0**	**1**	**2**	**1**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**2**	**2**	**3**	**1**	**1**	**0**	**0**	**0**	**9**
15:30 to 16:30	0	0	0	0	**0**	1,930	106	7	0	**2,043**	58	1	1	1	**61**	0	0	0	0	**0**	38	0	0	0	**38**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	3	1	1	1	0	0	0	**6**
15:45 to 16:45	0	0	0	0	**0**	1,959	98	7	0	**2,064**	57	1	1	0	**59**	0	0	0	0	**0**	38	0	0	0	**38**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	2	1	0	1	0	0	0	**4**
16:00 to 17:00	0	0	0	0	**0**	1,929	94	5	0	**2,028**	59	0	0	0	**59**	1	0	0	0	**1**	42	0	0	0	**42**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	2	1	0	0	0	0	0	**3**
16:15 to 17:15	0	0	0	0	**0**	1,966	96	3	0	**2,065**	50	0	0	0	**50**	1	0	0	0	**1**	45	0	0	0	**45**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	2	1	1	0	0	0	0	**4**
16:30 to 17:30	0	0	0	0	**0**	1,998	90	3	0	**2,091**	51	1	0	0	**52**	1	0	0	0	**1**	38	0	0	0	**38**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	1	0	0	0	1	**2**
16:45 to 17:45	0	0	0	0	**0**	1,936	85	2	0	**2,023**	52	1	0	0	**53**	1	0	0	0	**1**	34	0	0	0	**34**	0	0	0	1	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	1	0	0	0	1	**2**
17:00 to 18:00	0	0	0	0	**0**	1,908	87	1	0	**1,996**	61	1	0	0	**62**	0	0	0	0	**0**	28	0	0	0	**28**	0	0	0	1	**1**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	1	0	0	0	1	**3**
17:15 to 18:15	0	0	0	0	**0**	1,736	82	1	0	**1,819**	68	2	0	0	**70**	0	0	0	0	**0**	29	0	0	0	**29**	0	0	0	1	**1**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	2	0	0	0	1	**4**
17:30 to 18:30	0	0	0	0	**0**	1,606	72	0	0	**1,678**	73	1	1	0	**75**	0	0	0	0	**0**	34	0	0	0	**34**	0	0	0	1	**1**	0	0	0	0	**0**	0	0	0	0	**0**	1	1	3	2	0	0	0	0	**7**
PM Totals	**0**	**0**	**0**	**0**	**0**	**5,534**	**268**	**10**	**0**	**5,812**	**182**	**3**	**2**	**1**	**188**	**1**	**0**	**0**	**0**	**1**	**110**	**0**	**0**	**0**	**110**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**1**	**4**	**4**	**4**	**1**	**0**	**0**	**1**	**15**

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 6. Broomfield St / Cabramatta Rd East
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data



MATRIX Traffic and Transport Data

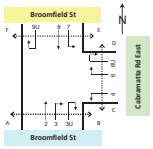
Classifications	Class 1	Class 2	Class 3	Class 4
	Lights	Heavies	Buses	Cyclists

Approach	Broomfield St															Cabramatta Rd East										
Direction		Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period		LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total
6:30	to 6:45	13	0	0	0	**13**	2	0	0	0	**2**	0	0	0	0	**0**	7	0	0	0	**7**	18	0	0	0	**18**	0	0	0	0	**0**
6:45	to 7:00	17	0	0	0	**17**	1	0	0	0	**1**	0	0	0	0	**0**	12	0	0	0	**12**	29	0	0	0	**29**	0	0	0	0	**0**
7:00	to 7:15	11	0	0	0	**11**	3	1	0	0	**4**	0	0	0	0	**0**	16	0	0	0	**16**	16	1	0	0	**17**	0	0	0	0	**0**
7:15	to 7:30	9	0	0	0	**9**	3	0	0	0	**3**	0	0	0	0	**0**	21	0	0	0	**21**	28	0	0	0	**28**	0	0	0	0	**0**
7:30	to 7:45	15	1	0	0	**16**	3	0	0	0	**3**	0	0	0	0	**0**	25	0	0	0	**25**	23	0	0	0	**23**	0	0	0	0	**0**
7:45	to 8:00	33	1	0	0	**34**	7	0	0	0	**7**	0	0	0	0	**0**	39	0	0	1	**40**	51	0	0	0	**51**	0	0	0	0	**0**
8:00	to 8:15	22	0	0	0	**22**	8	0	0	0	**8**	0	0	0	0	**0**	7	0	0	0	**7**	37	0	1	0	**38**	0	0	0	0	**0**
8:15	to 8:30	28	0	0	0	**28**	4	0	0	0	**4**	0	0	0	0	**0**	7	0	0	0	**7**	28	0	2	0	**30**	0	0	0	0	**0**
8:30	to 8:45	29	0	1	0	**30**	3	0	0	0	**3**	0	0	0	0	**0**	11	0	0	0	**11**	18	1	1	0	**20**	0	0	0	0	**0**
8:45	to 9:00	24	0	0	0	**24**	4	0	0	0	**4**	0	0	0	0	**0**	11	0	0	0	**11**	21	0	0	0	**21**	0	0	0	0	**0**
9:00	to 9:15	17	0	0	0	**17**	3	0	0	0	**3**	1	0	0	0	**1**	9	1	0	0	**10**	22	0	1	0	**23**	0	0	0	0	**0**
9:15	to 9:30	14	1	0	0	**15**	3	1	0	0	**4**	0	0	0	0	**0**	22	0	0	0	**22**	15	0	1	0	**16**	0	0	0	0	**0**
AM Totals		**232**	**3**	**1**	**0**	**236**	**66**	**2**	**0**	**0**	**68**	**1**	**0**	**0**	**0**	**1**	**187**	**1**	**0**	**1**	**189**	**306**	**2**	**6**	**0**	**314**	**0**	**0**	**0**	**0**	**0**
15:30	to 15:45	22	0	0	0	**22**	7	0	0	0	**7**	0	0	0	0	**0**	12	0	0	0	**12**	20	1	0	0	**21**	0	0	0	0	**0**
15:45	to 16:00	20	0	0	0	**20**	7	0	0	0	**7**	0	0	0	0	**0**	11	0	0	0	**11**	17	0	2	0	**19**	0	0	0	0	**0**
16:00	to 16:15	18	0	0	1	**19**	6	0	0	0	**6**	0	0	0	0	**0**	9	1	0	0	**10**	11	0	0	0	**11**	0	0	0	0	**0**
16:15	to 16:30	24	1	0	0	**25**	6	1	0	0	**7**	0	0	0	0	**0**	3	0	0	0	**3**	28	0	0	0	**28**	0	0	0	0	**0**
16:30	to 16:45	21	0	0	0	**21**	3	0	0	0	**3**	1	0	0	0	**1**	11	0	0	0	**11**	11	0	0	0	**11**	0	0	0	0	**0**
16:45	to 17:00	24	0	0	0	**24**	4	0	0	0	**4**	0	0	0	0	**0**	9	0	0	0	**9**	13	0	0	0	**13**	0	0	0	0	**0**
17:00	to 17:15	17	0	0	0	**17**	6	0	0	1	**7**	0	0	0	0	**0**	7	0	0	0	**7**	12	0	0	0	**12**	0	0	0	0	**0**
17:15	to 17:30	18	1	0	0	**19**	4	0	0	0	**4**	0	0	0	0	**0**	6	1	0	0	**7**	21	0	0	0	**21**	0	0	0	0	**0**
17:30	to 17:45	22	0	0	0	**22**	5	0	0	0	**5**	0	0	0	0	**0**	12	1	0	0	**13**	22	0	0	0	**22**	0	0	0	0	**0**
17:45	to 18:00	17	0	0	0	**17**	10	0	0	0	**10**	0	0	0	0	**0**	13	0	0	0	**13**	21	0	0	0	**21**	0	0	0	0	**0**
18:00	to 18:15	27	0	0	0	**27**	10	0	0	0	**10**	0	0	0	0	**0**	12	0	0	0	**12**	33	1	0	0	**34**	0	0	0	0	**0**
18:15	to 18:30	35	0	0	0	**35**	11	0	0	1	**12**	0	0	0	0	**0**	11	0	0	0	**11**	28	0	0	0	**28**	0	0	0	0	**0**
PM Totals		**265**	**2**	**0**	**1**	**268**	**79**	**1**	**0**	**2**	**82**	**1**	**0**	**0**	**0**	**1**	**116**	**3**	**0**	**0**	**119**	**237**	**2**	**2**	**0**	**241**	**0**	**0**	**0**	**0**	**0**

Approach	Broomfield St															Crossing Pedestrians						
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9U (U Turn)											
Time Period	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	LgMts	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	Total
6:30 to 6:45	10	0	0	0	**10**	5	0	0	0	**5**	0	0	0	0	**0**	1	0	2	3	0	0	**6**
6:45 to 7:00	12	1	0	0	**13**	8	0	0	0	**8**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
7:00 to 7:15	12	2	0	0	**14**	14	1	0	0	**15**	0	0	0	0	**0**	2	1	1	7	0	0	**11**
7:15 to 7:30	10	1	0	0	**11**	13	0	0	1	**14**	0	0	0	0	**0**	2	1	0	0	0	0	**3**
7:30 to 7:45	15	4	0	0	**19**	10	0	0	0	**10**	0	0	0	0	**0**	3	0	1	4	0	0	**8**
7:45 to 8:00	24	5	0	0	**29**	23	0	0	0	**23**	0	0	0	0	**0**	4	2	2	3	0	0	**11**
8:00 to 8:15	24	0	0	0	**24**	16	1	0	0	**17**	0	0	0	0	**0**	2	1	2	7	0	0	**13**
8:15 to 8:30	20	0	0	0	**20**	21	1	0	0	**22**	0	0	0	0	**0**	5	4	8	7	0	0	**24**
8:30 to 8:45	10	0	0	0	**10**	23	0	0	0	**23**	0	0	0	0	**0**	1	1	5	9	0	0	**16**
8:45 to 9:00	15	1	0	0	**16**	21	0	0	0	**21**	0	0	0	0	**0**	4	0	5	5	0	0	**14**
9:00 to 9:15	14	1	0	0	**15**	12	0	0	0	**12**	0	0	0	0	**0**	1	1	6	11	0	0	**19**
9:15 to 9:30	7	4	0	0	**11**	15	0	0	0	**15**	0	0	0	0	**0**	4	2	11	6	0	0	**23**
AM Totals	**173**	**19**	**0**	**0**	**192**	**181**	**3**	**0**	**1**	**185**	**0**	**0**	**0**	**0**	**0**	**10**	**13**	**63**	**62**	**0**	**0**	**148**
15:30 to 15:45	20	0	0	1	**21**	32	1	0	0	**33**	0	0	0	0	**0**	4	3	4	2	0	0	**13**
15:45 to 16:00	26	0	0	0	**26**	11	0	0	0	**11**	0	0	0	0	**0**	1	7	5	3	0	0	**16**
16:00 to 16:15	16	0	0	0	**16**	18	0	0	0	**18**	0	0	0	0	**0**	0	1	12	4	0	0	**17**
16:15 to 16:30	27	0	0	0	**27**	26	0	0	0	**26**	0	0	0	0	**0**	3	0	6	3	0	0	**12**
16:30 to 16:45	19	0	0	0	**19**	25	1	0	0	**26**	0	0	0	0	**0**	1	2	6	2	0	0	**11**
16:45 to 17:00	17	0	0	0	**17**	24	0	0	1	**25**	0	0	0	0	**0**	2	6	10	6	0	0	**24**
17:00 to 17:15	26	0	0	0	**26**	24	0	0	1	**25**	0	0	0	0	**0**	3	10	8	5	0	0	**26**
17:15 to 17:30	24	0	0	0	**24**	27	0	0	1	**28**	0	0	0	0	**0**	2	5	7	2	0	0	**16**
17:30 to 17:45	23	0	0	0	**23**	28	0	0	1	**29**	0	0	0	0	**0**	2	5	8	9	0	0	**24**
17:45 to 18:00	19	0	0	0	**19**	19	0	0	0	**19**	0	0	0	0	**0**	4	5	9	5	0	0	**23**
18:00 to 18:15	25	0	0	0	**25**	30	0	0	0	**30**	0	0	0	0	**0**	3	2	16	3	1	0	**25**
18:15 to 18:30	43	0	0	1	**44**	34	0	0	0	**34**	0	0	0	0	**0**	7	4	14	6	0	0	**31**
PM Totals	**285**	**0**	**0**	**2**	**287**	**298**	**2**	**0**	**4**	**304**	**0**	**0**	**0**	**0**	**0**	**32**	**50**	**105**	**50**	**1**	**0**	**238**

Job No. : N4541
Client : GHD
Suburb : Cabramatta
Location : 6. Broomfield St / Cabramatta Rd East

Day/Date : Tue, 23rd October 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary

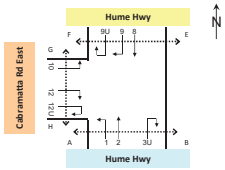


MATRIX Traffic and Transport Data

Approach	Broomfield St															Cabramatta Rd East										
Direction		Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period		Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 7:30		50	0	0	0	**50**	9	1	0	0	**10**	0	0	0	0	**0**	56	0	0	0	**56**	91	1	0	0	**92**	0	0	0	0	**0**
6:45 to 7:45		52	1	0	0	**53**	10	1	0	0	**11**	0	0	0	0	**0**	74	0	0	0	**74**	96	1	0	0	**97**	0	0	0	0	**0**
7:00 to 8:00		68	2	0	0	**70**	16	1	0	0	**17**	0	0	0	0	**0**	101	0	0	1	**102**	118	1	0	0	**119**	0	0	0	0	**0**
7:15 to 8:15		79	2	0	0	**81**	21	0	0	0	**21**	0	0	0	0	**0**	92	0	0	1	**93**	139	0	1	0	**140**	0	0	0	0	**0**
7:30 to 8:30		98	2	0	0	**100**	22	0	0	0	**22**	0	0	0	0	**0**	78	0	0	1	**79**	139	0	3	0	**142**	0	0	0	0	**0**
7:45 to 8:45		112	1	1	0	**114**	22	0	0	0	**22**	0	0	0	0	**0**	64	0	0	1	**65**	134	1	4	0	**139**	0	0	0	0	**0**
8:00 to 9:00		103	0	1	0	**104**	19	0	0	0	**19**	0	0	0	0	**0**	36	0	0	0	**36**	104	1	4	0	**109**	0	0	0	0	**0**
8:15 to 9:15		98	0	1	0	**99**	14	0	0	0	**14**	1	0	0	0	**1**	38	1	0	0	**39**	89	1	4	0	**94**	0	0	0	0	**0**
8:30 to 9:30		84	1	1	0	**86**	13	1	0	0	**14**	1	0	0	0	**1**	53	1	0	0	**54**	76	1	3	0	**80**	0	0	0	0	**0**
AM Totals		**232**	**3**	**1**	**0**	**236**	**44**	**2**	**0**	**0**	**46**	**1**	**0**	**0**	**0**	**1**	**187**	**1**	**0**	**1**	**189**	**306**	**2**	**6**	**0**	**314**	**0**	**0**	**0**	**0**	**0**
15:30 to 16:30		84	1	0	1	**86**	26	1	0	0	**27**	0	0	0	0	**0**	35	1	0	0	**36**	76	1	2	0	**79**	0	0	0	0	**0**
15:45 to 16:45		83	1	0	1	**85**	22	1	0	0	**23**	1	0	0	0	**1**	34	1	0	0	**35**	67	0	2	0	**69**	0	0	0	0	**0**
16:00 to 17:00		87	1	0	1	**89**	19	1	0	0	**20**	1	0	0	0	**1**	32	1	0	0	**33**	63	0	0	0	**63**	0	0	0	0	**0**
16:15 to 17:15		86	1	0	0	**87**	19	1	0	1	**21**	1	0	0	0	**1**	30	0	0	0	**30**	64	0	0	0	**64**	0	0	0	0	**0**
16:30 to 17:30		80	1	0	0	**81**	17	0	0	1	**18**	1	0	0	0	**1**	33	1	0	0	**34**	57	0	0	0	**57**	0	0	0	0	**0**
16:45 to 17:45		81	1	0	0	**82**	19	0	0	1	**20**	0	0	0	0	**0**	34	2	0	0	**36**	68	0	0	0	**68**	0	0	0	0	**0**
17:00 to 18:00		74	1	0	0	**75**	25	0	0	1	**26**	0	0	0	0	**0**	38	2	0	0	**40**	76	0	0	0	**76**	0	0	0	0	**0**
17:15 to 18:15		84	1	0	0	**85**	29	0	0	0	**29**	0	0	0	0	**0**	43	2	0	0	**45**	97	1	0	0	**98**	0	0	0	0	**0**
17:30 to 18:30		101	0	0	0	**101**	36	0	0	1	**37**	0	0	0	0	**0**	48	1	0	0	**49**	104	1	0	0	**105**	0	0	0	0	**0**
PM Totals		**265**	**2**	**0**	**1**	**268**	**79**	**1**	**0**	**2**	**82**	**1**	**0**	**0**	**0**	**1**	**116**	**3**	**0**	**0**	**119**	**237**	**2**	**2**	**0**	**241**	**0**	**0**	**0**	**0**	**0**

Approach	Broomfield St																Crossing Pedestrians						
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9U (U Turn)												
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total		A	B	C	D	E	F	Total
6:30 to 7:30	44	4	0	0	**48**	40	1	0	1	**42**	0	0	0	0	**0**		5	2	3	05	0	0	**20**
6:45 to 7:45	49	8	0	0	**57**	45	1	0	1	**47**	0	0	0	0	**0**		7	2	2	11	0	0	**22**
7:00 to 8:00	61	12	0	0	**73**	60	1	0	1	**62**	0	0	0	0	**0**		11	4	4	14	0	0	**33**
7:15 to 8:15	73	10	0	0	**83**	62	1	0	1	**64**	0	0	0	0	**0**		12	4	5	14	0	0	**35**
7:30 to 8:30	83	9	0	0	**92**	70	2	0	0	**72**	0	0	0	0	**0**		15	7	13	21	0	0	**56**
7:45 to 8:45	78	5	0	0	**83**	83	2	0	0	**85**	0	0	0	0	**0**		13	8	17	26	0	0	**64**
8:00 to 9:00	69	1	0	0	**70**	81	2	0	0	**83**	0	0	0	0	**0**		13	6	20	28	0	0	**67**
8:15 to 9:15	59	2	0	0	**61**	77	1	0	0	**78**	0	0	0	0	**0**		11	6	24	32	0	0	**73**
8:30 to 9:30	46	6	0	0	**52**	71	0	0	0	**71**	0	0	0	0	**0**		10	4	27	31	0	0	**72**
AM Totals	**173**	**19**	**0**	**0**	**192**	**181**	**3**	**0**	**1**	**185**	**0**	**0**	**0**	**0**	**0**		**30**	**13**	**43**	**62**	**0**	**0**	**148**
15:30 to 16:30	89	0	0	1	**90**	87	1	0	0	**88**	0	0	0	0	**0**		8	11	27	12	0	0	**58**
15:45 to 16:45	88	0	0	0	**88**	80	1	0	0	**81**	0	0	0	0	**0**		5	10	29	12	0	0	**56**
16:00 to 17:00	79	0	0	0	**79**	93	1	0	1	**95**	0	0	0	0	**0**		6	9	34	15	0	0	**64**
16:15 to 17:15	89	0	0	0	**89**	99	1	0	2	**102**	0	0	0	0	**0**		9	18	30	16	0	0	**73**
16:30 to 17:30	86	0	0	0	**86**	100	1	0	3	**104**	0	0	0	0	**0**		8	23	31	15	0	0	**77**
16:45 to 17:45	90	0	0	0	**90**	103	0	0	4	**107**	0	0	0	0	**0**		9	26	33	22	0	0	**90**
17:00 to 18:00	92	0	0	0	**92**	98	0	0	3	**101**	0	0	0	0	**0**		11	25	32	21	0	0	**89**
17:15 to 18:15	91	0	0	0	**91**	104	0	0	2	**106**	0	0	0	0	**0**		11	17	40	19	1	0	**88**
17:30 to 18:30	110	0	0	1	**111**	111	0	0	1	**112**	0	0	0	0	**0**		16	16	47	23	1	0	**103**
PM Totals	**285**	**0**	**0**	**2**	**287**	**298**	**2**	**0**	**4**	**304**	**0**	**0**	**0**	**0**	**0**		**32**	**50**	**105**	**50**	**1**	**0**	**238**

Job No.	: N4541
Client	: GHD
Suburb	: Cabramatta
Location	: 7. Hume Hwy / Cabramatta Rd East
Day/Date	: Tue, 23rd October 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data



MATRIX Traffic and Transport Data

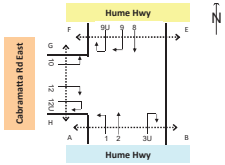
Classifications	Class 1	Class 2	Class 3	Class 4
	Lights	Heavies	Buses	Cyclists

Approach	Hume Hwy															
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3U (U Turn)					
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	
6:30 to 6:45	13	1	0	0	**14**	412	32	3	0	**447**	0	0	0	0	**0**	
6:45 to 7:00	19	0	0	0	**19**	434	34	1	0	**469**	0	0	0	0	**0**	
7:00 to 7:15	13	1	0	0	**14**	368	24	2	0	**394**	0	0	0	0	**0**	
7:15 to 7:30	15	0	0	0	**15**	512	25	1	0	**538**	0	0	0	0	**0**	
7:30 to 7:45	22	1	0	0	**23**	445	24	0	0	**469**	0	0	0	0	**0**	
7:45 to 8:00	27	2	0	0	**29**	422	14	2	0	**438**	0	0	0	0	**0**	
8:00 to 8:15	31	1	1	0	**33**	398	35	1	0	**434**	0	0	0	0	**0**	
8:15 to 8:30	30	0	0	0	**30**	390	20	2	0	**412**	0	0	0	0	**0**	
8:30 to 8:45	33	2	1	0	**36**	374	45	1	0	**420**	0	0	0	0	**0**	
8:45 to 9:00	18	2	0	0	**20**	307	20	2	0	**329**	0	0	0	0	**0**	
9:00 to 9:15	27	1	0	0	**28**	372	31	3	0	**406**	0	0	0	0	**0**	
9:15 to 9:30	30	0	0	0	**30**	272	28	3	0	**303**	0	0	0	0	**0**	
AM Totals	**278**	**11**	**2**	**0**	**291**	**4,706**	**332**	**21**	**0**	**5,059**	**0**	**0**	**0**	**0**	**0**	
15:30 to 15:45	41	2	0	0	**43**	311	0	0	0	**311**	0	0	0	0	**0**	
15:45 to 16:00	43	2	1	0	**46**	335	16	1	0	**352**	0	0	0	0	**0**	
16:00 to 16:15	35	0	1	0	**36**	274	13	2	0	**289**	0	0	0	0	**0**	
16:15 to 16:30	39	2	0	0	**41**	340	8	0	0	**348**	0	0	0	0	**0**	
16:30 to 16:45	48	0	0	0	**48**	317	16	1	0	**334**	0	0	0	0	**0**	
16:45 to 17:00	62	1	1	0	**64**	316	24	1	0	**341**	0	0	0	0	**0**	
17:00 to 17:15	66	1	0	0	**67**	356	10	0	0	**366**	0	0	0	0	**0**	
17:15 to 17:30	33	0	0	0	**33**	311	8	2	0	**321**	0	0	0	0	**0**	
17:30 to 17:45	41	0	0	0	**41**	278	13	0	0	**291**	0	0	0	0	**0**	
17:45 to 18:00	54	0	0	0	**54**	315	11	1	0	**327**	0	0	0	0	**0**	
18:00 to 18:15	53	2	0	0	**55**	257	10	0	0	**267**	0	0	0	0	**0**	
18:15 to 18:30	35	1	0	0	**36**	236	7	0	0	**243**	0	0	0	0	**0**	
PM Totals	**550**	**11**	**3**	**0**	**564**	**3,646**	**136**	**8**	**0**	**3,790**	**0**	**0**	**0**	**0**	**0**	

Approach	Hume Hwy															Cabramatta Rd East															Crossing Pedestrians				
Direction	Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 12 (Right Turn)					Direction 12U (U Turn)									
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	E	F	G	H	Total
6:30 to 6:45	275	13	1	0	**289**	49	6	0	0	**55**	0	0	0	0	**0**	136	9	0	0	**145**	83	2	0	0	**85**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
6:45 to 7:00	256	26	1	0	**283**	41	10	1	0	**52**	0	0	0	0	**0**	126	9	0	0	**135**	49	2	0	0	**51**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
7:00 to 7:15	247	25	1	0	**273**	59	7	0	0	**66**	0	0	0	0	**0**	147	3	1	0	**151**	57	2	1	0	**60**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
7:15 to 7:30	286	17	1	0	**304**	51	5	0	0	**56**	0	0	0	0	**0**	120	4	0	0	**124**	53	2	0	0	**55**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
7:30 to 7:45	249	25	3	0	**277**	57	6	0	0	**63**	0	0	0	0	**0**	153	4	0	0	**157**	77	4	0	0	**81**	0	0	0	0	**0**	0	2	0	0	0	0	**2**
7:45 to 8:00	286	14	3	0	**303**	69	6	0	0	**75**	0	0	0	0	**0**	150	3	0	0	**153**	75	1	0	0	**76**	0	0	0	0	**0**	0	1	0	0	0	0	**1**
8:00 to 8:15	304	25	2	0	**331**	85	12	1	0	**98**	0	0	0	0	**0**	125	4	0	0	**129**	66	0	0	0	**66**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
8:15 to 8:30	302	18	1	0	**321**	92	4	0	0	**96**	0	0	0	0	**0**	118	4	0	0	**122**	79	3	0	0	**82**	0	0	0	0	**0**	1	0	0	0	0	0	**1**
8:30 to 8:45	298	19	0	0	**317**	97	2	0	0	**99**	0	0	0	0	**0**	131	2	0	0	**133**	87	4	0	1	**92**	0	0	0	0	**0**	0	4	0	0	1	0	**5**
8:45 to 9:00	289	28	3	0	**320**	105	2	0	0	**107**	0	0	0	0	**0**	155	5	0	0	**160**	72	3	0	0	**75**	0	0	0	0	**0**	2	0	0	0	0	0	**2**
9:00 to 9:15	274	31	0	0	**305**	82	8	1	0	**91**	0	0	0	0	**0**	89	2	0	0	**91**	67	1	0	0	**68**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
9:15 to 9:30	201	40	0	0	**241**	89	8	0	0	**97**	0	0	0	0	**0**	122	11	1	0	**134**	69	2	0	0	**71**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
AM Totals	**3,267**	**281**	**16**	**0**	**3,564**	**876**	**76**	**3**	**0**	**955**	**0**	**0**	**0**	**0**	**0**	**1,572**	**60**	**2**	**0**	**1,634**	**834**	**26**	**1**	**1**	**862**	**0**	**0**	**0**	**0**	**0**	**3**	**7**	**0**	**0**	**0**	**1**	**11**
15:30 to 15:45	396	26	1	0	**423**	135	3	0	0	**138**	0	0	0	0	**0**	98	6	1	0	**105**	93	3	0	0	**96**	0	0	0	0	**0**	1	2	0	0	0	1	**4**
15:45 to 16:00	369	24	1	0	**394**	152	3	0	0	**155**	0	0	0	0	**0**	119	8	0	0	**127**	113	0	1	0	**114**	0	0	0	0	**0**	0	2	0	0	0	1	**3**
16:00 to 16:15	414	23	1	0	**438**	152	4	0	0	**156**	0	0	0	0	**0**	93	3	0	0	**96**	88	1	0	0	**89**	0	0	0	0	**0**	0	3	0	0	0	0	**3**
16:15 to 16:30	365	25	0	0	**390**	174	8	0	0	**182**	0	0	0	0	**0**	110	3	0	0	**113**	110	3	0	0	**113**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
16:30 to 16:45	427	23	0	0	**450**	158	6	0	0	**164**	0	0	0	0	**0**	95	2	0	0	**97**	82	2	0	0	**84**	0	0	0	0	**0**	0	1	0	0	0	0	**1**
16:45 to 17:00	381	18	0	0	**399**	168	5	0	0	**173**	0	0	0	0	**0**	86	3	0	0	**89**	78	1	1	0	**80**	0	0	0	0	**0**	1	0	0	0	0	0	**1**
17:00 to 17:15	424	29	0	0	**453**	187	7	0	0	**194**	0	0	0	0	**0**	101	5	0	0	**106**	117	2	0	0	**119**	0	0	0	0	**0**	0	1	0	0	1	0	**2**
17:15 to 17:30	420	16	0	0	**436**	163	4	0	0	**167**	0	0	0	0	**0**	111	1	0	0	**112**	78	4	0	0	**82**	0	0	0	0	**0**	2	0	0	1	0	3	**6**
17:30 to 17:45	386	16	0	0	**402**	179	5	1	0	**185**	0	0	0	0	**0**	104	1	0	0	**105**	81	2	0	0	**83**	0	0	0	0	**0**	1	3	0	0	0	0	**4**
17:45 to 18:00	387	22	0	0	**409**	158	5	0	0	**163**	0	0	0	0	**0**	104	1	0	0	**105**	73	0	0	0	**73**	0	0	0	0	**0**	2	1	0	0	0	0	**3**
18:00 to 18:15	297	21	0	0	**318**	171	5	0	0	**176**	1	0	0	0	**1**	101	1	0	0	**102**	95	2	0	0	**97**	0	0	0	0	**0**	0	3	0	0	0	0	**3**
18:15 to 18:30	290	13	0	0	**303**	123	1	0	0	**124**	0	0	0	0	**0**	105	1	0	0	**106**	109	1	0	0	**110**	0	0	0	0	**0**	0	0	0	0	0	0	**0**
PM Totals	**4,556**	**256**	**3**	**0**	**4,815**	**1,920**	**56**	**1**	**0**	**1,977**	**1**	**0**	**0**	**0**	**1**	**1,227**	**35**	**1**	**0**	**1,263**	**1,117**	**21**	**2**	**0**	**1,140**	**0**	**0**	**0**	**0**	**0**	**7**	**16**	**0**	**1**	**1**	**5**	**30**

Job No. : N4541
Client : GHD
Suburb : Cabramatta
Location : 7. Hume Hwy / Cabramatta Rd East

Day/Date : Tue, 23rd October 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary



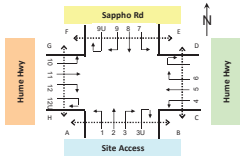
MATRIX Traffic and Transport Data

Approach	Hume Hwy														
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 7:30	60	2	0	0	**62**	1,726	115	7	0	**1,848**	0	0	0	0	**0**
6:45 to 7:45	69	2	0	0	**71**	1,759	107	4	0	**1,870**	0	0	0	0	**0**
7:00 to 8:00	77	4	0	0	**81**	1,747	87	5	0	**1,839**	0	0	0	0	**0**
7:15 to 8:15	95	4	1	0	**100**	1,777	98	4	0	**1,879**	0	0	0	0	**0**
7:30 to 8:30	110	4	1	0	**115**	1,655	93	5	0	**1,753**	0	0	0	0	**0**
7:45 to 8:45	121	5	2	0	**128**	1,584	114	6	0	**1,704**	0	0	0	0	**0**
8:00 to 9:00	112	5	2	0	**119**	1,469	120	6	0	**1,595**	0	0	0	0	**0**
8:15 to 9:15	108	5	1	0	**114**	1,443	116	8	0	**1,567**	0	0	0	0	**0**
8:30 to 9:30	108	5	1	0	**114**	1,325	124	9	0	**1,458**	0	0	0	0	**0**
AM Totals	**278**	**11**	**2**	**0**	**291**	**4,706**	**332**	**21**	**0**	**5,059**	**0**	**0**	**0**	**0**	**0**
15:30 to 16:30	158	6	2	0	**166**	1,260	37	3	0	**1,300**	0	0	0	0	**0**
15:45 to 16:45	165	4	2	0	**171**	1,266	53	4	0	**1,323**	0	0	0	0	**0**
16:00 to 17:00	184	3	2	0	**189**	1,247	61	4	0	**1,312**	0	0	0	0	**0**
16:15 to 17:15	215	4	1	0	**220**	1,329	58	2	0	**1,389**	0	0	0	0	**0**
16:30 to 17:30	209	2	1	0	**212**	1,300	58	4	0	**1,362**	0	0	0	0	**0**
16:45 to 17:45	202	2	1	0	**205**	1,261	55	3	0	**1,319**	0	0	0	0	**0**
17:00 to 18:00	194	1	0	0	**195**	1,260	42	3	0	**1,305**	0	0	0	0	**0**
17:15 to 18:15	181	2	0	0	**183**	1,161	42	3	0	**1,206**	0	0	0	0	**0**
17:30 to 18:30	183	3	0	0	**186**	1,086	41	1	0	**1,128**	0	0	0	0	**0**
PM Totals	**550**	**11**	**3**	**0**	**564**	**3,646**	**136**	**8**	**0**	**3,790**	**0**	**0**	**0**	**0**	**0**

Approach	Hume Hwy															Cabramatta Rd East															Crossing Pedestrians									
Direction	Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 12 (Right Turn)					Direction 12U (U Turn)													
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B		E	F	G	H	Total
6:30 to 7:30	1,064	81	4	0	**1,149**	200	28	1	0	**229**	0	0	0	0	**0**	529	25	1	0	**555**	242	8	1	0	**251**	0	0	0	0	**0**	0	0		0	0	0	0	**0**
6:45 to 7:45	1,038	93	6	0	**1,137**	208	28	1	0	**237**	0	0	0	0	**0**	546	20	1	0	**567**	236	10	1	0	**247**	0	0	0	0	**0**	0	2		0	0	0	0	**2**
7:00 to 8:00	1,068	81	8	0	**1,157**	236	24	0	0	**260**	0	0	0	0	**0**	570	14	1	0	**585**	262	9	1	0	**272**	0	0	0	0	**0**	0	3		0	0	0	0	**3**
7:15 to 8:15	1,125	81	9	0	**1,215**	262	29	1	0	**292**	0	0	0	0	**0**	548	15	0	0	**563**	271	7	0	0	**278**	0	0	0	0	**0**	0	3		0	0	0	0	**3**
7:30 to 8:30	1,141	82	9	0	**1,232**	303	28	1	0	**332**	0	0	0	0	**0**	546	15	0	0	**561**	297	8	0	0	**305**	0	0	0	0	**0**	1	3		0	0	0	0	**4**
7:45 to 8:45	1,190	76	6	0	**1,272**	343	24	1	0	**368**	0	0	0	0	**0**	524	13	0	0	**537**	307	8	0	1	**316**	0	0	0	0	**0**	1	5		0	0	0	1	**7**
8:00 to 9:00	1,193	90	6	0	**1,289**	379	20	1	0	**400**	0	0	0	0	**0**	529	15	0	0	**544**	304	10	0	1	**315**	0	0	0	0	**0**	3	4		0	0	0	1	**8**
8:15 to 9:15	1,163	96	4	0	**1,263**	376	16	1	0	**393**	0	0	0	0	**0**	493	13	0	0	**506**	305	11	0	1	**317**	0	0	0	0	**0**	3	4		0	0	0	1	**8**
8:30 to 9:30	1,062	118	3	0	**1,183**	373	20	1	0	**394**	0	0	0	0	**0**	497	20	1	0	**518**	295	10	0	1	**306**	0	0	0	0	**0**	2	4		0	0	0	1	**7**
AM Totals	**3,267**	**281**	**16**	**0**	**3,564**	**876**	**76**	**3**	**0**	**955**	**0**	**0**	**0**	**0**	**0**	**1,572**	**60**	**2**	**0**	**1,634**	**834**	**26**	**1**	**1**	**862**	**0**	**0**	**0**	**0**	**0**	**3**	**7**		**0**	**0**	**0**	**1**	**11**
15:30 to 16:30	1,544	98	3	0	**1,645**	613	18	0	0	**631**	0	0	0	0	**0**	420	20	1	0	**441**	404	7	1	0	**412**	0	0	0	0	**0**	1	7		0	0	0	2	**10**
15:45 to 16:45	1,575	95	2	0	**1,672**	636	21	0	0	**657**	0	0	0	0	**0**	417	16	0	0	**433**	393	6	1	0	**400**	0	0	0	0	**0**	0	6		0	0	0	1	**7**
16:00 to 17:00	1,587	89	1	0	**1,677**	652	23	0	0	**675**	0	0	0	0	**0**	384	11	0	0	**395**	358	7	1	0	**366**	0	0	0	0	**0**	1	4		0	0	0	0	**5**
16:15 to 17:15	1,597	95	0	0	**1,692**	687	26	0	0	**713**	0	0	0	0	**0**	392	13	0	0	**405**	387	8	1	0	**396**	0	0	0	0	**0**	1	2		0	0	1	0	**4**
16:30 to 17:30	1,652	86	0	0	**1,738**	676	22	0	0	**698**	0	0	0	0	**0**	393	11	0	0	**404**	355	9	1	0	**365**	0	0	0	0	**0**	3	2		0	1	1	3	**10**
16:45 to 17:45	1,611	79	0	0	**1,690**	697	21	1	0	**719**	0	0	0	0	**0**	402	10	0	0	**412**	354	9	1	0	**364**	0	0	0	0	**0**	4	4		0	1	1	3	**13**
17:00 to 18:00	1,617	83	0	0	**1,700**	687	21	1	0	**709**	0	0	0	0	**0**	420	8	0	0	**428**	349	8	0	0	**357**	0	0	0	0	**0**	5	5		0	1	1	3	**15**
17:15 to 18:15	1,490	75	0	0	**1,565**	671	19	1	0	**691**	1	0	0	0	**1**	420	4	0	0	**424**	327	8	0	0	**335**	0	0	0	0	**0**	5	7		0	1	0	3	**16**
17:30 to 18:30	1,360	72	0	0	**1,432**	631	16	1	0	**648**	1	0	0	0	**1**	414	4	0	0	**418**	358	5	0	0	**363**	0	0	0	0	**0**	3	7		0	0	0	0	**10**
PM Totals	**4,556**	**256**	**3**	**0**	**4,815**	**1,920**	**56**	**1**	**0**	**1,977**	**1**	**0**	**0**	**0**	**1**	**1,227**	**35**	**1**	**0**	**1,263**	**1,117**	**21**	**2**	**0**	**1,140**	**0**	**0**	**0**	**0**	**0**	**7**	**16**		**0**	**1**	**1**	**5**	**30**

Job No.	: N4644
Client	: GHD
Suburb	: Cabramatta Part 2
Location	: 1. Sappho Rd / Hume Hwy
Day/Date	: Thursday, 22nd November 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data

	Class 1	Class 2	Class 3	Class 4
Classifications	Lights	Heavies	Buses	Cyclists



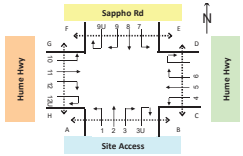
MATRIX Traffic and Transport Data

Approach	Site Access																				Hume Hwy																			
Direction	Direction 1 (Left Turn)					Direction 2 (Through)					Direction 3 (Right Turn)					Direction 3U (U Turn)					Direction 4 (Left Turn)					Direction 5 (Through)					Direction 6 (Right Turn)					Direction 6U (U Turn)				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
6:30 to 6:45	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	344	23	1	0	**368**	2	0	0	0	**2**	0	0	0	0	**0**
6:45 to 7:00	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	297	29	2	0	**328**	8	2	0	0	**10**	0	0	0	0	**0**
7:00 to 7:15	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	270	24	0	0	**294**	11	0	0	0	**11**	0	0	0	0	**0**
7:15 to 7:30	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	337	23	2	1	**363**	13	1	0	0	**14**	0	0	0	0	**0**
7:30 to 7:45	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	376	24	2	0	**402**	12	0	0	0	**12**	0	0	0	0	**0**
7:45 to 8:00	2	0	0	0	**2**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	386	22	5	0	**413**	15	1	0	0	**16**	0	0	0	0	**0**
8:00 to 8:15	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	392	25	2	0	**419**	7	0	0	0	**7**	0	0	0	0	**0**
8:15 to 8:30	4	0	0	0	**4**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	371	12	2	0	**385**	7	1	0	0	**8**	0	0	0	0	**0**
8:30 to 8:45	2	0	0	0	**2**	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	364	33	3	1	**401**	11	0	0	0	**11**	0	0	0	0	**0**
8:45 to 9:00	2	0	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	342	32	0	0	**374**	11	1	0	0	**12**	0	0	0	0	**0**
9:00 to 9:15	3	0	0	0	**3**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	330	26	3	0	**359**	12	0	0	0	**12**	0	0	0	0	**0**
9:15 to 9:30	1	1	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	278	31	1	0	**310**	15	1	0	0	**16**	0	0	0	0	**0**
AM Totals	**15**	**2**	**0**	**0**	**17**	**0**	**0**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**3**	**1**	**0**	**0**	**0**	**1**	**2**	**0**	**0**	**0**	**2**	**4,087**	**304**	**23**	**2**	**4,416**	**124**	**7**	**0**	**0**	**131**	**0**	**0**	**0**	**0**	**0**
15:30 to 15:45	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	349	19	3	0	**371**	25	0	0	0	**25**	0	0	0	0	**0**
15:45 to 16:00	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	381	17	1	0	**399**	9	0	0	0	**9**	2	0	0	0	**2**
16:00 to 16:15	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	384	18	3	0	**405**	12	0	0	0	**12**	0	0	0	0	**0**
16:15 to 16:30	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	408	29	1	0	**438**	16	0	0	0	**16**	0	0	0	0	**0**
16:30 to 16:45	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	403	31	1	0	**435**	19	2	0	0	**21**	0	0	0	0	**0**
16:45 to 17:00	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	460	21	1	0	**482**	13	0	0	0	**13**	0	0	0	0	**0**
17:00 to 17:15	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	471	19	3	0	**493**	16	0	0	0	**16**	0	0	0	0	**0**
17:15 to 17:30	1	0	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	393	21	1	0	**415**	16	0	0	0	**16**	0	0	0	0	**0**
17:30 to 17:45	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	391	18	0	0	**409**	10	0	0	0	**10**	0	0	0	0	**0**
17:45 to 18:00	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	424	20	1	0	**445**	14	0	0	0	**14**	0	0	0	0	**0**
18:00 to 18:15	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	490	24	0	0	**514**	18	1	0	0	**19**	0	0	0	0	**0**
18:15 to 18:30	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	415	22	0	0	**437**	14	0	0	0	**14**	0	0	0	0	**0**
PM Totals	**1**	**0**	**0**	**0**	**1**	**1**	**0**	**0**	**0**	**1**	**3**	**0**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**4,969**	**259**	**15**	**0**	**5,243**	**182**	**3**	**0**	**0**	**185**	**2**	**0**	**0**	**0**	**2**

Approach	Sappho Rd																				Hume Hwy																				Crossing Pedestrians									
Direction	Direction 7 (Left Turn)					Direction 8 (Through)					Direction 9 (Right Turn)					Direction 9U (U Turn)					Direction 10 (Left Turn)					Direction 11 (Through)					Direction 12 (Right Turn)					Direction 12U (U Turn)														
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
6:30 to 6:45	2	0	0	0	**2**	0	0	0	0	**0**	2	0	0	0	**2**	0	0	0	0	**0**	15	1	0	0	**16**	433	23	4	0	**460**	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	1	0	0	0	0	**2**
6:45 to 7:00	2	0	0	0	**2**	0	0	0	0	**0**	3	1	0	0	**4**	0	0	0	0	**0**	31	0	0	0	**31**	420	24	0	0	**444**	0	0	0	0	**0**	1	0	0	0	**1**	2	0	1	0	0	0	0	0	**3**
7:00 to 7:15	5	1	0	0	**6**	0	0	0	0	**0**	5	0	0	0	**5**	0	0	0	0	**0**	31	3	0	0	**34**	488	22	1	0	**511**	3	0	0	0	**3**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
7:15 to 7:30	2	1	0	0	**3**	0	0	0	0	**0**	1	1	0	0	**2**	0	0	0	0	**0**	30	1	0	0	**31**	475	22	0	0	**497**	2	1	0	0	**3**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
7:30 to 7:45	5	2	0	0	**7**	0	0	0	0	**0**	8	0	0	0	**8**	0	0	0	0	**0**	30	2	0	0	**32**	453	27	2	0	**482**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	1	0	0	0	0	**1**
7:45 to 8:00	1	0	0	0	**1**	0	0	0	0	**0**	5	1	0	0	**6**	0	0	0	0	**0**	51	1	0	0	**52**	481	29	1	0	**511**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	2	0	0	0	**2**
8:00 to 8:15	5	0	0	0	**5**	0	0	0	0	**0**	5	1	0	0	**6**	0	0	0	0	**0**	39	1	0	0	**40**	452	29	0	0	**481**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	1	0	0	0	0	0	**1**
8:15 to 8:30	4	0	0	0	**4**	0	0	0	0	**0**	6	1	0	0	**7**	0	0	0	0	**0**	34	1	0	0	**35**	490	23	3	0	**516**	3	0	0	0	**3**	0	0	0	0	**0**	0	0	0	1	0	0	0	0	**1**
8:30 to 8:45	12	1	0	0	**13**	0	0	0	0	**0**	6	0	0	0	**6**	0	0	0	0	**0**	25	2	0	0	**27**	451	26	2	0	**479**	0	0	0	0	**0**	1	0	1	0	**2**	0	0	0	0	0	0	0	0	**0**
8:45 to 9:00	3	1	0	0	**4**	0	0	0	0	**0**	6	4	0	0	**10**	0	0	0	0	**0**	39	0	0	0	**39**	481	47	3	0	**531**	0	0	0	0	**0**	0	1	0	1	**2**	0	0	0	0	0	0	0	0	**0**
9:00 to 9:15	15	0	0	0	**15**	0	0	0	0	**0**	10	1	0	0	**11**	0	0	0	0	**0**	33	2	0	0	**35**	385	39	4	0	**428**	1	0	0	0	**1**	0	0	0	0	**0**	2	0	1	0	2	0	0	0	**5**
9:15 to 9:30	14	0	0	0	**14**	0	0	0	0	**0**	16	1	0	0	**17**	0	0	0	0	**0**	31	5	0	0	**36**	381	36	1	0	**418**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	0	0	0	0	**1**
AM Totals	**70**	**6**	**0**	**0**	**76**	**0**	**0**	**0**	**0**	**0**	**73**	**11**	**0**	**0**	**84**	**0**	**0**	**0**	**0**	**0**	**389**	**19**	**0**	**0**	**408**	**5,390**	**347**	**21**	**0**	**5,758**	**9**	**1**	**0**	**0**	**10**	**1**	**0**	**0**	**0**	**1**	**6**	**2**	**4**	**4**	**4**	**0**	**0**	**0**	**20**
15:30 to 15:45	25	0	0	0	**25**	0	0	0	0	**0**	30	2	0	0	**32**	0	0	0	0	**0**	42	0	0	0	**42**	415	18	1	0	**434**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	1	0	0	**1**
15:45 to 16:00	18	0	0	0	**18**	0	0	0	0	**0**	36	0	0	0	**36**	0	0	0	0	**0**	42	0	0	0	**42**	439	20	1	0	**460**	1	0	0	0	**1**	0	0	0	0	**0**	2	0	3	0	0	0	0	0	**5**
16:00 to 16:15	29	1	0	0	**30**	0	0	0	0	**0**	39	0	0	0	**39**	0	0	0	0	**0**	38	1	0	0	**39**	402	19	2	0	**423**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	0	0	0	0	0	0	**2**
16:15 to 16:30	33	0	0	0	**33**	0	0	0	0	**0**	35	0	0	0	**35**	0	0	0	0	**0**	23	1	0	0	**24**	387	13	3	0	**403**	0	0	0	0	**0**	1	0	1	0	**2**	0	0	1	0	0	0	0	0	**2**
16:30 to 16:45	33	0	0	0	**33**	0	0	0	0	**0**	36	3	0	0	**39**	0	0	0	0	**0**	43	2	0	0	**45**	386	11	1	0	**398**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
16:45 to 17:00	32	0	0	0	**32**	0	0	0	0	**0**	32	1	0	0	**33**	0	0	0	0	**0**	32	0	0	0	**32**	404	16	1	0	**421**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	1	0	0	0	0	0	**3**
17:00 to 17:15	26	1	0	0	**27**	0	0	0	0	**0**	50	0	0	0	**50**	0	0	0	0	**0**	21	0	0	0	**21**	431	14	1	0	**446**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	2	0	0	1	0	0	**5**
17:15 to 17:30	32	2	0	0	**34**	0	0	0	0	**0**	26	1	0	1	**28**	0	0	0	0	**0**	31	2	0	0	**33**	483	11	1	0	**495**	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
17:30 to 17:45	27	1	0	0	**28**	0	0	0	0	**0**	39	0	0	0	**39**	0	0	0	0	**0**	32	1	0	0	**33**	377	11	0	0	**388**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	1	0	0	**1**
17:45 to 18:00	22	0	0	0	**22**	0	0	0	0	**0**	25	0	0	0	**25**	0	0	0	0	**0**	35	0	0	0	**35**	398	8	1	0	**407**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	2	0	0	0	**2**
18:00 to 18:15	16	0	0	0	**16**	0	0	0	0	**0**	23	1	0	0	**24**	0	0	0	0	**0**	35	2	0	0	**37**	391	8	0	0	**399**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
18:15 to 18:30	15	1	0	0	**16**	0	0	0	0	**0**	37	1	0	0	**38**	0	0	0	0	**0**	24	0	0	0	**24**	311	7	1	0	**319**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
PM Totals	**308**	**6**	**0**	**0**	**314**	**0**	**0**	**0**	**0**	**0**	**408**	**9**	**0**	**1**	**418**	**0**	**0**	**0**	**0**	**0**	**398**	**9**	**0**	**0**	**407**	**4,824**	**156**	**13**	**0**	**4,993**	**2**	**1**	**0**	**0**	**3**	**0**	**0**	**0**	**0**	**0**	**9**	**0**	**7**	**0**	**2**	**3**	**0**	**0**	**21**

Job No. : N4644
Client : GHD
Suburb : Cabramatta Part 2
Location : 1. Sappho Rd / Hume Hwy

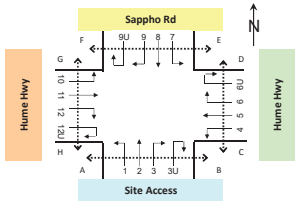
Day/Date : Thursday, 22nd November 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary



MATRIX Traffic and Transport Data

| Approach | Site Access | | | | | | | | | | | | | | | | | | | | Hume Hwy | | | | | | | | | | | | | | | | | | |

Job No.	: N4644
Client	: GHD
Suburb	: Cabramatta Part 2
Location	: 1. Sappho Rd / Hume Hwy
Day/Date	: Saturday, 24th November 2018
Weather	: Fine
Description	: Classified Intersection Count
	: 15 mins Data



MATRIX Traffic and Transport Data

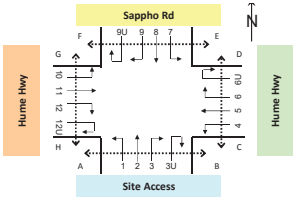
Classifications	**Class 1**	**Class 2**	**Class 3**	**Class 4**
	Lights	Heavies	Buses	Cyclists

Approach	**Site Access**																					**Hume Hwy**										
Direction	**Direction 1 (Left Turn)**					**Direction 2 (Through)**					**Direction 3 (Right Turn)**					**Direction 3U (U Turn)**					**Direction 4 (Left Turn)**					**Direction 5 (Through)**					**Direction 6 (Right Turn)**					**Direction 6U (U Turn)**				
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total
11:30 to 11:45	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	0	0	**2**	282	6	0	0	**288**	25	0	0	0	**25**	0	0	0	0	**0**
11:45 to 12:00	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	319	7	1	0	**327**	25	1	0	0	**26**	0	0	0	0	**0**
12:00 to 12:15	0	2	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	332	5	0	0	**337**	31	0	0	0	**31**	0	0	0	0	**0**
12:15 to 12:30	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	308	11	0	0	**319**	32	0	0	0	**32**	0	0	0	0	**0**
12:30 to 12:45	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	0	**1**	0	0	0	0	**0**	1	0	0	0	**1**	353	6	0	0	**359**	36	1	0	0	**37**	0	0	0	0	**0**
12:45 to 13:00	2	0	0	0	**2**	0	0	0	0	**0**	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	375	9	2	0	**386**	41	0	0	0	**41**	0	0	0	0	**0**
13:00 to 13:15	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	1	0	0	0	**1**	358	9	0	0	**367**	30	0	0	0	**30**	0	0	0	0	**0**
13:15 to 13:30	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	375	5	0	0	**380**	26	0	0	0	**26**	0	0	0	0	**0**
13:30 to 13:45	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	380	10	0	0	**390**	28	0	0	0	**28**	0	0	0	0	**0**
13:45 to 14:00	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	397	9	1	0	**407**	27	0	0	0	**27**	0	0	0	0	**0**
14:00 to 14:15	0	0	0	0	**0**	2	0	0	0	**2**	1	1	0	0	**2**	0	0	0	0	**0**	0	0	0	0	**0**	362	10	0	0	**372**	29	0	0	0	**29**	1	0	0	0	**1**
14:15 to 14:30	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	**0**	410	8	0	0	**418**	25	0	0	0	**25**	0	0	0	0	**0**
Total	**5**	**3**	**0**	**0**	**8**	**2**	**0**	**0**	**0**	**2**	**1**	**3**	**0**	**0**	**4**	**0**	**0**	**0**	**0**	**0**	**5**	**0**	**0**	**0**	**5**	**4,251**	**95**	**4**	**0**	**4,350**	**355**	**2**	**0**	**0**	**357**	**1**	**0**	**0**	**0**	**1**

Approach	**Sappho Rd**																					**Hume Hwy**											**Crossing Pedestrians**								
Direction	**Direction 7 (Left Turn)**					**Direction 8 (Through)**					**Direction 9 (Right Turn)**					**Direction 9U (U Turn)**					**Direction 10 (Left Turn)**					**Direction 11 (Through)**					**Direction 12 (Right Turn)**					**Direction 12U (U Turn)**														
Time Period	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	Lights	Heavies	Buses	Cyclists	Total	A	B	C	D	E	F	G	H	Total
11:30 to 11:45	33	0	0	0	**33**	0	0	0	0	**0**	45	1	0	0	**46**	0	0	0	0	**0**	58	0	0	0	**58**	352	5	0	0	**357**	1	0	0	0	**1**	0	0	0	0	**0**	0	0	0	0	3	0	0	0	**3**
11:45 to 12:00	33	0	0	0	**33**	0	0	0	0	**0**	57	0	0	0	**57**	0	0	0	0	**0**	68	0	0	0	**68**	384	7	1	0	**392**	0	1	0	0	**1**	0	0	0	0	**0**	0	1	1	2	1	0	0	0	**5**
12:00 to 12:15	26	0	0	0	**26**	0	0	0	0	**0**	55	1	0	0	**56**	0	0	0	0	**0**	68	0	0	0	**68**	392	13	0	0	**405**	0	1	0	0	**1**	0	0	0	0	**0**	2	0	2	0	0	2	0	0	**6**
12:15 to 12:30	44	1	0	0	**45**	0	0	0	0	**0**	60	0	0	0	**60**	0	0	0	0	**0**	88	0	0	0	**88**	378	6	0	0	**384**	0	0	0	0	**0**	0	0	0	0	**0**	0	0	0	0	0	0	0	0	**0**
12:30 to 12:45	40	0	0	0	**40**	0	0	0	0	**0**	56	1	0	0	**57**	0	0	0	0	**0**	117	0	0	0	**117**	402	10	1	0	**413**	0	1	0	0	**1**	0	0	0	0	**0**	0	0	0	0	2	0	0	0	**2**
12:45 to 13:00	44	0	0	0	**44**	0	0	0	0	**0**	70	0	0	0	**70**	0	0	0	0	**0**	92	1	0	0	**93**	393	13	0	0	**406**	0	0	0	0	**0**	0	0	0	0	**0**	0	1	0	1	3	0	0	0	**5**
13:00 to 13:15	34	0	0	0	**34**	0	1	0	0	**1**	49	0	0	0	**49**	0	0	0	0	**0**	72	1	0	0	**73**	377	6	0	0	**383**	0	0	0	0	**0**	0	0	0	0	**0**	0	3	0	3	0	0	0	0	**6**
13:15 to 13:30	36	1	0	0	**37**	0	0	0	0	**0**	62	0	0	0	**62**	0	0	0	0	**0**	49	0	0	0	**49**	405	10	1	0	**416**	0	0	0	0	**0**	0	0	0	0	**0**	2	5	4	5	1	1	0	0	**18**
13:30 to 13:45	34	1	0	0	**35**	0	0	0	0	**0**	48	0	0	0	**48**	0	0	0	0	**0**	63	0	0	0	**63**	364	7	1	0	**372**	0	0	0	0	**0**	0	0	0	0	**0**	2	0	2	0	0	0	0	0	**4**
13:45 to 14:00	32	0	0	0	**32**	0	0	0	0	**0**	55	0	0	0	**55**	0	0	0	0	**0**	55	0	0	0	**55**	336	5	0	0	**341**	0	1	0	0	**1**	0	0	0	0	**0**	1	0	1	0	0	0	0	0	**2**
14:00 to 14:15	35	0	0	0	**35**	0	0	0	0	**0**	63	0	0	0	**63**	0	0	0	0	**0**	66	0	0	0	**66**	384	4	0	0	**388**	1	1	0	0	**2**	1	0	0	0	**1**	0	0	0	0	0	1	0	0	**1**
14:15 to 14:30	48	0	0	0	**48**	0	0	0	0	**0**	47	0	0	0	**47**	0	0	0	0	**0**	54	0	0	0	**54**	394	12	0	0	**406**	0	0	0	0	**0**	1	0	0	0	**1**	0	0	0	0	0	0	0	0	**0**
Total	**439**	**3**	**0**	**0**	**442**	**0**	**1**	**0**	**0**	**1**	**667**	**3**	**0**	**0**	**670**	**0**	**0**	**0**	**0**	**0**	**850**	**2**	**0**	**0**	**852**	**4,561**	**98**	**4**	**0**	**4,663**	**2**	**5**	**0**	**0**	**7**	**2**	**0**	**0**	**0**	**2**	**7**	**10**	**10**	**11**	**10**	**4**	**0**	**0**	**52**

Job No. : N4644
Client : GHD
Suburb : Cabramatta Part 2
Location : 1. Sappho Rd / Hume Hwy

Day/Date : Saturday, 24th November 2018
Weather : Fine
Description : Classified Intersection Count
: Hourly Summary



MATRIX Traffic and Transport Data

| Approach | Site Access | | | | | | | | | | | | | | | | | | | | Hume Hwy | | | | | | | | | | | | | | | | | | |

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Appendix B – SIDRA intersection results

MOVEMENT SUMMARY

Site: TCS1271 [Site1_2018 AM BASE_Hume Hwy_Mannix Pde]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Remembrance Ave												
1	L2	66	3.2	0.390	60.6	LOS E	6.1	43.6	0.94	0.86	1.27	18.6
2	T1	45	2.3	0.390	56.0	LOS D	6.1	43.6	0.94	0.86	1.27	18.5
3	R2	95	2.2	0.313	59.6	LOS E	3.0	21.1	0.98	0.73	0.98	27.2
Approach		206	2.6	0.390	59.1	LOS E	6.1	43.6	0.96	0.80	1.14	23.0
East: Hume Hwy E												
4	L2	125	1.7	0.108	10.9	LOS A	2.2	15.7	0.31	0.65	0.31	52.2
5	T1	1535	12.6	0.653	24.1	LOS B	25.1	194.0	0.63	0.57	0.63	46.1
6	R2	48	2.2	0.672	89.8	LOS F	3.8	27.1	1.00	0.79	1.14	22.4
Approach		1708	11.5	0.672	24.9	LOS B	25.1	194.0	0.62	0.58	0.62	45.2
North: Mannix Pde												
7	L2	73	4.3	0.622	62.0	LOS E	6.5	46.8	1.00	0.79	1.02	27.6
8	T1	28	0.0	0.622	57.4	LOS E	6.5	46.8	1.00	0.79	1.02	17.0
9	R2	71	0.0	0.643	83.4	LOS F	5.4	37.5	1.00	0.80	1.07	16.0
Approach		172	1.8	0.643	70.1	LOS E	6.5	46.8	1.00	0.79	1.04	21.1
West: Hume Hwy W												
10	L2	35	6.1	0.882	22.0	LOS B	47.8	355.9	0.71	0.68	0.72	39.0
11	T1	1958	6.8	0.882	15.7	LOS B	48.4	356.7	0.71	0.68	0.72	52.3
12	R2	164	0.0	0.677	45.2	LOS D	7.8	54.4	1.00	0.82	1.03	23.2
Approach		2157	6.2	0.882	18.0	LOS B	48.4	356.7	0.73	0.69	0.75	49.5
All Vehicles		4243	8.0	0.882	24.9	LOS B	48.4	356.7	0.71	0.65	0.73	44.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P2B	East Slip/Bypass Lane Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		211	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1271 [Site1_2018 AM FUTURE_Hume Hwy_Mannix Pde]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Remembrance Ave												
1	L2	66	3.2	0.441	70.0	LOS E	7.6	54.7	0.97	0.78	0.97	16.9
2	T1	45	2.3	0.441	65.4	LOS E	7.6	54.7	0.97	0.78	0.97	16.6
3	R2	95	2.2	0.417	81.1	LOS F	3.5	25.0	1.00	0.74	1.00	22.7
Approach		206	2.6	0.441	74.1	LOS F	7.6	54.7	0.98	0.76	0.98	19.9
East: Hume Hwy E												
4	L2	125	1.7	0.095	9.4	LOS A	1.5	10.9	0.28	0.65	0.28	53.6
5	T1	1535	12.6	0.616	20.5	LOS B	22.4	173.5	0.57	0.51	0.57	48.6
6	R2	72	4.4	0.865	94.7	LOS F	5.9	42.6	1.00	0.90	1.41	21.6
Approach		1732	11.5	0.865	22.8	LOS B	22.4	173.5	0.57	0.54	0.58	46.5
North: Mannix Pde												
7	L2	142	6.7	0.556	65.7	LOS E	11.5	84.4	0.96	0.81	0.96	26.6
8	T1	28	0.0	0.556	61.0	LOS E	11.5	84.4	0.96	0.81	0.96	16.2
9	R2	71	0.0	0.643	83.4	LOS F	5.4	37.5	1.00	0.80	1.07	16.0
Approach		241	3.9	0.643	70.3	LOS E	11.5	84.4	0.97	0.81	1.00	22.4
West: Hume Hwy W												
10	L2	77	2.7	0.910	28.5	LOS B	58.5	434.0	0.79	0.79	0.84	34.3
11	T1	1958	6.8	0.910	21.8	LOS B	58.5	434.0	0.79	0.78	0.84	47.5
12	R2	164	0.0	0.616	72.3	LOS F	11.5	80.2	0.99	0.82	0.99	16.9
Approach		2199	6.1	0.910	25.8	LOS B	58.5	434.0	0.81	0.79	0.85	43.9
All Vehicles		4378	8.0	0.910	29.3	LOS C	58.5	434.0	0.73	0.69	0.76	41.3

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P2B	East Slip/Bypass Lane Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		211	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1271 [Site1_2018 PM BASE_Hume Hwy_Mannix Pde]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Remembrance Ave												
1	L2	142	1.5	0.578	68.1	LOS E	11.6	82.3	0.98	0.81	0.98	17.0
2	T1	27	0.0	0.578	63.6	LOS E	11.6	82.3	0.98	0.81	0.98	16.8
3	R2	154	0.7	0.501	63.1	LOS E	5.0	35.3	1.00	0.76	1.00	26.4
Approach		323	1.0	0.578	65.4	LOS E	11.6	82.3	0.99	0.79	0.99	21.7
East: Hume Hwy E												
4	L2	65	1.6	0.040	7.2	LOS A	0.4	2.6	0.12	0.61	0.12	55.8
5	T1	2139	4.6	0.630	8.4	LOS A	17.9	130.3	0.34	0.31	0.34	59.3
6	R2	58	1.8	0.166	60.6	LOS E	3.5	25.1	0.87	0.75	0.87	28.2
Approach		2262	4.5	0.630	9.7	LOS A	17.9	130.3	0.35	0.33	0.35	57.7
North: Mannix Pde												
7	L2	56	5.7	0.469	61.9	LOS E	4.8	34.5	0.99	0.76	0.99	27.5
8	T1	18	0.0	0.469	57.3	LOS E	4.8	34.5	0.99	0.76	0.99	17.0
9	R2	66	0.0	0.907	97.0	LOS F	5.6	39.0	1.00	0.98	1.52	14.4
Approach		140	2.3	0.907	77.9	LOS F	5.6	39.0	0.99	0.86	1.24	19.6
West: Hume Hwy W												
10	L2	41	7.7	0.929	50.9	LOS D	61.7	453.7	0.96	0.98	1.08	24.5
11	T1	1614	5.5	0.929	44.5	LOS D	61.7	453.7	0.96	0.98	1.08	35.7
12	R2	49	0.0	0.680	90.0	LOS F	3.9	27.2	1.00	0.79	1.15	14.3
Approach		1704	5.4	0.929	45.9	LOS D	61.7	453.7	0.96	0.97	1.08	34.7
All Vehicles		4429	4.5	0.929	29.8	LOS C	61.7	453.7	0.65	0.63	0.71	41.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P2B	East Slip/Bypass Lane Crossing	53	31.9	LOS D	0.1	0.1	0.92	0.92
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		211	59.9	LOS E			0.95	0.95

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1271 [Site1_2018 PM FUTURE_Hume Hwy_Mannix Pde]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Remembrance Ave												
1	L2	142	1.5	0.425	40.3	LOS C	8.4	59.4	0.91	0.78	0.92	23.7
2	T1	27	0.0	0.425	35.7	LOS C	8.4	59.4	0.91	0.78	0.92	23.9
3	R2	154	0.7	0.860	91.7	LOS F	6.2	43.9	1.00	0.94	1.38	21.0
Approach		323	1.0	0.860	64.4	LOS E	8.4	59.4	0.95	0.86	1.14	22.0
East: Hume Hwy E												
4	L2	65	1.6	0.075	15.1	LOS B	1.3	8.9	0.48	0.68	0.48	48.5
5	T1	2139	4.6	0.873	35.8	LOS C	48.2	350.4	0.85	0.81	0.90	39.6
6	R2	79	1.3	0.225	61.3	LOS E	4.9	34.5	0.88	0.77	0.88	28.1
Approach		2283	4.4	0.873	36.0	LOS C	48.2	350.4	0.84	0.81	0.89	39.2
North: Mannix Pde												
7	L2	125	7.6	0.384	59.2	LOS E	9.0	66.6	0.90	0.78	0.90	28.0
8	T1	18	0.0	0.384	54.6	LOS D	9.0	66.6	0.90	0.78	0.90	17.4
9	R2	66	0.0	0.777	88.6	LOS F	5.3	36.8	1.00	0.87	1.25	15.4
Approach		209	4.5	0.777	68.1	LOS E	9.0	66.6	0.93	0.81	1.01	22.9
West: Hume Hwy W												
10	L2	83	3.8	0.965	66.0	LOS E	73.1	536.9	1.00	1.08	1.21	20.4
11	T1	1614	5.5	0.965	59.1	LOS E	73.1	536.9	1.00	1.08	1.20	30.7
12	R2	49	0.0	0.163	38.8	LOS C	2.0	14.2	0.89	0.73	0.89	25.4
Approach		1746	5.3	0.965	58.9	LOS E	73.1	536.9	1.00	1.07	1.20	30.2
All Vehicles		4562	4.5	0.965	48.3	LOS D	73.1	536.9	0.91	0.91	1.03	33.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P2B	East Slip/Bypass Lane Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		211	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 101 [Site2_2018 AM BASE_Lawrence Hargrave Rd_Nicholls St]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	2	50.0	0.056	4.8	LOS A	0.3	2.1	0.03	0.63	0.03	35.6
2	T1	13	8.3	0.056	3.9	LOS A	0.3	2.1	0.03	0.63	0.03	32.1
3	R2	69	0.0	0.056	6.7	LOS A	0.3	2.1	0.03	0.63	0.03	41.0
Approach		84	2.5	0.056	6.2	LOS A	0.3	2.1	0.03	0.63	0.03	39.5
East: Nicholls St												
4	L2	38	0.0	0.033	4.4	LOS A	0.2	1.2	0.15	0.49	0.15	41.6
5	T1	1	0.0	0.033	3.9	LOS A	0.2	1.2	0.15	0.49	0.15	40.9
6	R2	1	0.0	0.033	6.7	LOS A	0.2	1.2	0.15	0.49	0.15	26.6
Approach		40	0.0	0.033	4.4	LOS A	0.2	1.2	0.15	0.49	0.15	41.1
North: Lawrence Hargrave Rd												
7	L2	1	0.0	0.026	5.5	LOS A	0.1	1.0	0.24	0.50	0.24	40.9
8	T1	26	8.0	0.026	5.2	LOS A	0.1	1.0	0.24	0.50	0.24	42.6
9	R2	1	0.0	0.026	8.0	LOS A	0.1	1.0	0.24	0.50	0.24	39.7
Approach		28	7.4	0.026	5.3	LOS A	0.1	1.0	0.24	0.50	0.24	42.4
West: Nicholls St												
10	L2	3	33.3	0.011	5.4	LOS A	0.1	0.4	0.25	0.53	0.25	26.7
11	T1	4	0.0	0.011	4.4	LOS A	0.1	0.4	0.25	0.53	0.25	40.0
12	R2	4	0.0	0.011	7.3	LOS A	0.1	0.4	0.25	0.53	0.25	40.7
Approach		12	9.1	0.011	5.8	LOS A	0.1	0.4	0.25	0.53	0.25	36.5
All Vehicles		164	3.2	0.056	5.6	LOS A	0.3	2.1	0.11	0.56	0.11	40.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site2_2018 AM FUTURE_Lawrence Hargrave Rd_Nicholls St]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	2	50.0	0.098	4.7	LOS A	0.5	3.9	0.04	0.63	0.04	35.3
2	T1	13	8.3	0.098	3.8	LOS A	0.5	3.9	0.04	0.63	0.04	37.6
3	R2	137	3.1	0.098	6.6	LOS A	0.5	3.9	0.04	0.63	0.04	40.5
Approach		152	4.2	0.098	6.4	LOS A	0.5	3.9	0.04	0.63	0.04	40.2
East: Nicholls St												
4	L2	105	4.0	0.085	4.4	LOS A	0.5	3.5	0.16	0.49	0.16	41.4
5	T1	1	0.0	0.085	3.9	LOS A	0.5	3.5	0.16	0.49	0.16	40.9
6	R2	1	0.0	0.085	6.7	LOS A	0.5	3.5	0.16	0.49	0.16	31.3
Approach		107	3.9	0.085	4.4	LOS A	0.5	3.5	0.16	0.49	0.16	41.3
North: Lawrence Hargrave Rd												
7	L2	1	0.0	0.028	6.0	LOS A	0.1	1.0	0.34	0.52	0.34	40.3
8	T1	26	8.0	0.028	5.6	LOS A	0.1	1.0	0.34	0.52	0.34	42.0
9	R2	1	0.0	0.028	8.4	LOS A	0.1	1.0	0.34	0.52	0.34	39.0
Approach		28	7.4	0.028	5.8	LOS A	0.1	1.0	0.34	0.52	0.34	41.8
West: Nicholls St												
10	L2	3	33.3	0.012	6.0	LOS A	0.1	0.4	0.34	0.54	0.34	26.4
11	T1	4	0.0	0.012	4.9	LOS A	0.1	0.4	0.34	0.54	0.34	39.6
12	R2	4	0.0	0.012	7.7	LOS A	0.1	0.4	0.34	0.54	0.34	40.2
Approach		12	9.1	0.012	6.2	LOS A	0.1	0.4	0.34	0.54	0.34	36.1
All Vehicles		299	4.6	0.098	5.6	LOS A	0.5	3.9	0.12	0.57	0.12	40.6

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site2_2018 PM BASE_Lawrence Hargrave Rd_Nicholls St]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	4	25.0	0.055	4.8	LOS A	0.3	2.0	0.04	0.60	0.04	38.6
2	T1	27	0.0	0.055	4.0	LOS A	0.3	2.0	0.04	0.60	0.04	33.1
3	R2	49	0.0	0.055	6.9	LOS A	0.3	2.0	0.04	0.60	0.04	42.1
Approach		81	1.3	0.055	5.8	LOS A	0.3	2.0	0.04	0.60	0.04	38.8
East: Nicholls St												
4	L2	53	2.0	0.043	4.3	LOS A	0.2	1.6	0.10	0.50	0.10	41.7
5	T1	2	0.0	0.043	3.8	LOS A	0.2	1.6	0.10	0.50	0.10	41.2
6	R2	1	0.0	0.043	6.6	LOS A	0.2	1.6	0.10	0.50	0.10	31.6
Approach		56	1.9	0.043	4.3	LOS A	0.2	1.6	0.10	0.50	0.10	41.5
North: Lawrence Hargrave Rd												
7	L2	1	0.0	0.014	5.4	LOS A	0.1	0.5	0.19	0.50	0.19	41.2
8	T1	15	0.0	0.014	5.0	LOS A	0.1	0.5	0.19	0.50	0.19	44.5
9	R2	1	0.0	0.014	7.8	LOS A	0.1	0.5	0.19	0.50	0.19	40.0
Approach		17	0.0	0.014	5.2	LOS A	0.1	0.5	0.19	0.50	0.19	44.1
West: Nicholls St												
10	L2	1	0.0	0.003	4.9	LOS A	0.0	0.1	0.23	0.52	0.23	27.8
11	T1	1	0.0	0.003	4.5	LOS A	0.0	0.1	0.23	0.52	0.23	40.3
12	R2	1	0.0	0.003	7.3	LOS A	0.0	0.1	0.23	0.52	0.23	40.9
Approach		3	0.0	0.003	5.6	LOS A	0.0	0.1	0.23	0.52	0.23	36.3
All Vehicles		157	1.3	0.055	5.2	LOS A	0.3	2.0	0.08	0.55	0.08	40.2

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site2_2018 PM FUTURE_Lawrence Hargrave Rd_Nicholls St]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	4	25.0	0.098	4.6	LOS A	0.5	3.8	0.04	0.62	0.04	37.8
2	T1	27	0.0	0.098	3.9	LOS A	0.5	3.8	0.04	0.62	0.04	38.6
3	R2	117	3.6	0.098	6.8	LOS A	0.5	3.8	0.04	0.62	0.04	41.1
Approach		148	3.5	0.098	6.2	LOS A	0.5	3.8	0.04	0.62	0.04	40.6
East: Nicholls St												
4	L2	120	4.4	0.091	4.3	LOS A	0.5	3.8	0.11	0.50	0.11	41.6
5	T1	2	0.0	0.091	3.8	LOS A	0.5	3.8	0.11	0.50	0.11	41.2
6	R2	1	0.0	0.091	6.6	LOS A	0.5	3.8	0.11	0.50	0.11	31.5
Approach		123	4.3	0.091	4.3	LOS A	0.5	3.8	0.11	0.50	0.11	41.5
North: Lawrence Hargrave Rd												
7	L2	1	0.0	0.016	5.8	LOS A	0.1	0.5	0.30	0.51	0.30	40.4
8	T1	15	0.0	0.016	5.4	LOS A	0.1	0.5	0.30	0.51	0.30	43.8
9	R2	1	0.0	0.016	8.2	LOS A	0.1	0.5	0.30	0.51	0.30	39.2
Approach		17	0.0	0.016	5.6	LOS A	0.1	0.5	0.30	0.51	0.30	43.3
West: Nicholls St												
10	L2	1	0.0	0.003	5.3	LOS A	0.0	0.1	0.32	0.52	0.32	27.5
11	T1	1	0.0	0.003	4.9	LOS A	0.0	0.1	0.32	0.52	0.32	39.9
12	R2	1	0.0	0.003	7.7	LOS A	0.0	0.1	0.32	0.52	0.32	40.5
Approach		3	0.0	0.003	6.0	LOS A	0.0	0.1	0.32	0.52	0.32	35.9
All Vehicles		292	3.6	0.098	5.3	LOS A	0.5	3.8	0.09	0.56	0.09	41.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site3_2018 AM BASE_Lawrence Hargrave Rd_Mannix Pde]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	60	0.0	0.082	4.1	LOS A	0.5	3.3	0.13	0.55	0.13	39.2
3	R2	51	2.1	0.082	6.8	LOS A	0.5	3.3	0.13	0.55	0.13	42.5
Approach		111	1.0	0.082	5.3	LOS A	0.5	3.3	0.13	0.55	0.13	40.9
East: Lawrence Hargrave Rd												
4	L2	59	3.6	0.074	4.7	LOS A	0.4	2.8	0.29	0.49	0.29	42.3
5	T1	23	0.0	0.074	4.4	LOS A	0.4	2.8	0.29	0.49	0.29	40.5
Approach		82	2.6	0.074	4.6	LOS A	0.4	2.8	0.29	0.49	0.29	42.0
West: Lawrence Hargrave Rd												
11	T1	23	4.5	0.098	4.1	LOS A	0.5	3.8	0.20	0.58	0.20	38.4
12	R2	99	1.1	0.098	6.9	LOS A	0.5	3.8	0.20	0.58	0.20	38.6
Approach		122	1.7	0.098	6.4	LOS A	0.5	3.8	0.20	0.58	0.20	38.6
All Vehicles		315	1.7	0.098	5.6	LOS A	0.5	3.8	0.20	0.54	0.20	40.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site3_2018 AM FUTURE_Lawrence Hargrave Rd_Mannix Pde]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	60	0.0	0.130	4.1	LOS A	0.8	5.6	0.13	0.57	0.13	38.6
3	R2	118	4.5	0.130	6.8	LOS A	0.8	5.6	0.13	0.57	0.13	41.9
Approach		178	3.0	0.130	5.9	LOS A	0.8	5.6	0.13	0.57	0.13	41.0
East: Lawrence Hargrave Rd												
4	L2	126	5.0	0.133	4.8	LOS A	0.8	5.7	0.31	0.50	0.31	42.2
5	T1	23	0.0	0.133	4.4	LOS A	0.8	5.7	0.31	0.50	0.31	40.3
Approach		149	4.2	0.133	4.7	LOS A	0.8	5.7	0.31	0.50	0.31	42.0
West: Lawrence Hargrave Rd												
11	T1	23	4.5	0.111	4.6	LOS A	0.6	4.3	0.32	0.59	0.32	37.8
12	R2	99	1.1	0.111	7.4	LOS A	0.6	4.3	0.32	0.59	0.32	38.1
Approach		122	1.7	0.111	6.9	LOS A	0.6	4.3	0.32	0.59	0.32	38.1
All Vehicles		449	3.0	0.133	5.8	LOS A	0.8	5.7	0.24	0.55	0.24	40.7

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site3_2018 PM BASE_Lawrence Hargrave Rd_Mannix Pde]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	48	0.0	0.082	4.1	LOS A	0.5	3.2	0.11	0.57	0.11	38.9
3	R2	64	1.6	0.082	6.7	LOS A	0.5	3.2	0.11	0.57	0.11	42.3
Approach		113	0.9	0.082	5.6	LOS A	0.5	3.2	0.11	0.57	0.11	41.1
East: Lawrence Hargrave Rd												
4	L2	46	0.0	0.054	4.3	LOS A	0.3	2.1	0.19	0.47	0.19	42.8
5	T1	18	5.9	0.054	4.1	LOS A	0.3	2.1	0.19	0.47	0.19	40.8
Approach		64	1.6	0.054	4.3	LOS A	0.3	2.1	0.19	0.47	0.19	42.4
West: Lawrence Hargrave Rd												
11	T1	24	0.0	0.062	4.1	LOS A	0.3	2.3	0.22	0.56	0.22	38.9
12	R2	48	2.2	0.062	7.0	LOS A	0.3	2.3	0.22	0.56	0.22	39.0
Approach		73	1.4	0.062	6.1	LOS A	0.3	2.3	0.22	0.56	0.22	38.9
All Vehicles		249	1.3	0.082	5.4	LOS A	0.5	3.2	0.16	0.54	0.16	40.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 101 [Site3_2018 PM FUTURE_Lawrence Hargrave Rd_Mannix Pde]

Lawrence Hargrave Rd
Site Category: Base AM
Roundabout

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Mannix Pde												
1	L2	48	0.0	0.128	4.1	LOS A	0.7	5.3	0.11	0.58	0.11	38.5
3	R2	132	4.0	0.128	6.7	LOS A	0.7	5.3	0.11	0.58	0.11	41.8
Approach		180	2.9	0.128	6.0	LOS A	0.7	5.3	0.11	0.58	0.11	41.1
East: Lawrence Hargrave Rd												
4	L2	114	3.7	0.106	4.4	LOS A	0.6	4.5	0.20	0.48	0.20	42.7
5	T1	18	5.9	0.106	4.1	LOS A	0.6	4.5	0.20	0.48	0.20	40.7
Approach		132	4.0	0.106	4.3	LOS A	0.6	4.5	0.20	0.48	0.20	42.5
West: Lawrence Hargrave Rd												
11	T1	24	0.0	0.067	4.6	LOS A	0.4	2.5	0.33	0.57	0.33	38.4
12	R2	48	2.2	0.067	7.5	LOS A	0.4	2.5	0.33	0.57	0.33	38.5
Approach		73	1.4	0.067	6.5	LOS A	0.4	2.5	0.33	0.57	0.33	38.5
All Vehicles		384	3.0	0.128	5.5	LOS A	0.7	5.3	0.18	0.54	0.18	41.2

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
Roundabout Capacity Model: SIDRA Standard.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

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MOVEMENT SUMMARY

Site: 2 [Site4_2018 AM BASE_Junction St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Junction St												
4a	L1	7	0.0	0.007	4.6	LOS A	0.0	0.2	0.35	0.47	0.35	44.1
Approach		7	0.0	0.007	4.6	LOS A	0.0	0.2	0.35	0.47	0.35	44.1
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.155	7.3	LOS A	0.0	0.0	0.00	0.01	0.00	62.2
5	T1	1640	6.3	0.360	0.0	LOS A	0.0	0.0	0.00	0.00	0.00	69.8
Approach		1641	6.3	0.360	0.0	NA	0.0	0.0	0.00	0.00	0.00	69.8
West: Junction St												
10a	L1	19	5.6	0.034	7.9	LOS A	0.1	0.8	0.57	0.71	0.57	47.3
Approach		19	5.6	0.034	7.9	LOS A	0.1	0.8	0.57	0.71	0.57	47.3
SouthWest: Hume Hwy												
30b	L3	5	0.0	0.356	7.4	LOS A	0.0	0.0	0.00	0.01	0.00	27.2
11	T1	2008	5.8	0.356	0.0	LOS A	0.0	0.0	0.00	0.00	0.00	69.8
Approach		2014	5.8	0.356	0.0	NA	0.0	0.0	0.00	0.00	0.00	69.7
All Vehicles		3681	6.0	0.360	0.1	NA	0.1	0.8	0.00	0.01	0.00	69.6

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site4_2018 AM FUTURE_Junction St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Junction St												
4a	L1	7	0.0	0.007	4.6	LOS A	0.0	0.2	0.36	0.47	0.36	44.1
Approach		7	0.0	0.007	4.6	LOS A	0.0	0.2	0.36	0.47	0.36	44.1
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.160	7.3	LOS A	0.0	0.0	0.00	0.01	0.00	62.2
5	T1	1703	6.1	0.373	0.0	LOS A	0.0	0.0	0.00	0.00	0.00	69.8
Approach		1704	6.1	0.373	0.1	NA	0.0	0.0	0.00	0.00	0.00	69.8
West: Junction St												
10a	L1	43	9.8	0.079	8.3	LOS A	0.3	2.0	0.59	0.76	0.59	45.7
Approach		43	9.8	0.079	8.3	LOS A	0.3	2.0	0.59	0.76	0.59	45.7
SouthWest: Hume Hwy												
30b	L3	29	10.7	0.369	7.5	LOS A	0.0	0.0	0.00	0.03	0.00	26.8
11	T1	2054	5.8	0.369	0.0	LOS A	0.0	0.0	0.00	0.01	0.00	69.7
Approach		2083	5.9	0.369	0.1	NA	0.0	0.0	0.00	0.01	0.00	68.9
All Vehicles		3838	6.0	0.373	0.2	NA	0.3	2.0	0.01	0.02	0.01	68.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site4_2018 PM BASE_Junction St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Junction St												
4a	L1	3	0.0	0.003	5.1	LOS A	0.0	0.1	0.41	0.48	0.41	43.6
Approach		3	0.0	0.003	5.1	LOS A	0.0	0.1	0.41	0.48	0.41	43.6
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.208	7.4	LOS A	0.0	0.0	0.00	0.00	0.00	62.4
5	T1	2233	4.8	0.485	0.1	LOS A	0.0	0.0	0.00	0.00	0.00	69.8
Approach		2234	4.8	0.485	0.1	NA	0.0	0.0	0.00	0.00	0.00	69.8
West: Junction St												
10a	L1	9	0.0	0.013	6.2	LOS A	0.0	0.3	0.49	0.59	0.49	50.9
Approach		9	0.0	0.013	6.2	LOS A	0.0	0.3	0.49	0.59	0.49	50.9
SouthWest: Hume Hwy												
30b	L3	16	0.0	0.291	7.4	LOS A	0.0	0.0	0.00	0.02	0.00	27.1
11	T1	1646	3.9	0.291	0.0	LOS A	0.0	0.0	0.00	0.01	0.00	69.8
Approach		1662	3.9	0.291	0.1	NA	0.0	0.0	0.00	0.01	0.00	69.2
All Vehicles		3908	4.4	0.485	0.1	NA	0.0	0.3	0.00	0.01	0.00	69.5

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site4_2018 PM FUTURE_Junction St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Junction St												
4a	L1	3	0.0	0.004	5.1	LOS A	0.0	0.1	0.42	0.49	0.42	43.6
Approach		3	0.0	0.004	5.1	LOS A	0.0	0.1	0.42	0.49	0.42	43.6
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.215	7.4	LOS A	0.0	0.0	0.00	0.00	0.00	62.4
5	T1	2302	4.9	0.501	0.1	LOS A	0.0	0.0	0.00	0.00	0.00	69.8
Approach		2303	4.9	0.501	0.1	NA	0.0	0.0	0.00	0.00	0.00	69.8
West: Junction St												
10a	L1	34	9.4	0.050	6.7	LOS A	0.2	1.3	0.51	0.66	0.51	47.6
Approach		34	9.4	0.050	6.7	LOS A	0.2	1.3	0.51	0.66	0.51	47.6
SouthWest: Hume Hwy												
30b	L3	40	7.9	0.304	7.5	LOS A	0.0	0.0	0.00	0.05	0.00	26.7
11	T1	1692	4.0	0.304	0.0	LOS A	0.0	0.0	0.00	0.02	0.00	69.6
Approach		1732	4.1	0.304	0.2	NA	0.0	0.0	0.00	0.02	0.00	68.3
All Vehicles		4072	4.6	0.501	0.2	NA	0.2	1.3	0.00	0.01	0.00	68.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site5_2018 AM BASE_Liverpool St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Liverpool St (stage 1)												
4a	L1	13	8.3	0.467	187.2	LOS F	1.3	9.8	0.99	1.02	1.11	9.8
Approach		13	8.3	0.467	187.2	LOS F	1.3	9.8	0.99	1.02	1.11	9.8
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.869	7.5	LOS A	0.0	0.0	0.00	0.00	0.00	57.0
5	T1	1680	5.6	0.869	7.4	LOS A	6.1	44.4	0.02	0.00	0.02	58.2
26a	R1	82	1.3	6.886	5411.1	LOS F	59.1	418.1	1.00	1.60	4.33	0.4
Approach		1763	5.4	6.886	259.0	NA	59.1	418.1	0.06	0.07	0.22	8.3
West: Liverpool St												
10a	L1	36	0.0	0.043	5.6	LOS A	0.1	1.0	0.45	0.60	0.45	46.4
Approach		36	0.0	0.043	5.6	LOS A	0.1	1.0	0.45	0.60	0.45	46.4
SouthWest: Hume Hwy												
30b	L3	228	1.8	0.387	7.4	LOS A	0.0	0.0	0.00	0.24	0.00	63.4
11	T1	1858	7.1	0.387	0.1	LOS A	0.0	0.0	0.00	0.06	0.00	68.7
32a	R1	14	7.7	2.198	1656.0	LOS F	9.8	73.1	1.00	1.21	2.18	1.1
Approach		2100	6.6	2.198	11.6	NA	9.8	73.1	0.01	0.08	0.01	51.4
All Vehicles		3912	6.0	6.886	123.7	NA	59.1	418.1	0.04	0.09	0.12	15.6

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site5_2018 AM FUTURE_Liverpool St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles												
Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Liverpool St (stage 1)												
4a	L1	13	8.3	0.718	379.6	LOS F	2.1	15.7	1.00	1.05	1.22	5.3
Approach		13	8.3	0.718	379.6	LOS F	2.1	15.7	1.00	1.05	1.22	5.3
NorthEast: Hume Hwy												
24b	L3	1	0.0	0.906	7.5	LOS A	0.0	0.0	0.00	0.00	0.00	56.7
5	T1	1749	5.8	0.906	7.6	LOS A	6.4	46.7	0.02	0.00	0.02	57.9
26a	R1	82	1.3	7.333	5816.3	LOS F	60.4	427.7	1.00	1.57	4.18	0.4
Approach		1833	5.6	7.333	267.9	NA	60.4	427.7	0.06	0.07	0.21	8.1
West: Liverpool St												
10a	L1	57	0.0	0.067	5.6	LOS A	0.2	1.6	0.45	0.61	0.45	46.5
Approach		57	0.0	0.067	5.6	LOS A	0.2	1.6	0.45	0.61	0.45	46.5
SouthWest: Hume Hwy												
30b	L3	249	1.7	0.392	7.4	LOS A	0.0	0.0	0.00	0.26	0.00	63.2
11	T1	1858	7.1	0.392	0.1	LOS A	0.0	0.0	0.00	0.06	0.00	68.6
32a	R1	14	7.7	2.257	1671.6	LOS F	9.7	72.5	1.00	1.22	2.23	1.1
Approach		2121	6.5	2.257	11.7	NA	9.7	72.5	0.01	0.09	0.01	51.4
All Vehicles		4023	6.0	7.333	129.5	NA	60.4	427.7	0.04	0.09	0.11	15.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site5_2018 PM BASE_Liverpool St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Liverpool St (stage 1)												
4a	L1	11	10.0	1.628	1163.8	LOS F	5.9	45.1	1.00	1.22	2.00	1.6
Approach		11	10.0	1.628	1163.8	LOS F	5.9	45.1	1.00	1.22	2.00	1.6
NorthEast: Hume Hwy												
24b	L3	1	0.0	1.086	18.6	LOS B	0.0	0.0	0.00	0.00	0.00	29.6
5	T1	2174	4.8	1.086	35.4	LOS C	26.0	189.5	0.05	0.00	0.10	35.4
26a	R1	53	0.0	3.018	1957.4	LOS F	29.0	203.1	1.00	1.68	4.74	1.1
Approach		2227	4.7	3.018	80.8	NA	29.0	203.1	0.07	0.04	0.21	21.1
West: Liverpool St												
10a	L1	47	0.0	0.047	4.6	LOS A	0.2	1.2	0.35	0.52	0.35	47.1
Approach		47	0.0	0.047	4.6	LOS A	0.2	1.2	0.35	0.52	0.35	47.1
SouthWest: Hume Hwy												
30b	L3	343	0.6	0.367	7.4	LOS A	0.0	0.0	0.00	0.39	0.00	61.7
11	T1	1646	4.2	0.367	0.1	LOS A	0.0	0.0	0.00	0.06	0.00	68.6
32a	R1	15	0.0	2.453	1743.3	LOS F	10.2	71.7	1.00	1.24	2.43	1.1
Approach		2004	3.5	2.453	14.1	NA	10.2	71.7	0.01	0.13	0.02	49.1
All Vehicles		4289	4.1	3.018	51.4	NA	29.0	203.1	0.05	0.09	0.13	28.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2 [Site5_2018 PM FUTURE_Liverpool St_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Giveway / Yield (Two-Way)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Liverpool St (stage 1)												
4a	L1	11	10.0	1.644	1174.1	LOS F	6.0	45.4	1.00	1.22	2.01	1.6
Approach		11	10.0	1.644	1174.1	LOS F	6.0	45.4	1.00	1.22	2.01	1.6
NorthEast: Hume Hwy												
24b	L3	1	0.0	1.136	26.1	LOS B	0.0	0.0	0.00	0.00	0.00	22.2
5	T1	2243	4.9	1.136	44.2	LOS D	22.7	165.6	0.03	0.00	0.07	31.4
26a	R1	53	0.0	3.695	2573.6	LOS F	32.4	226.6	1.00	1.61	4.38	0.9
Approach		2297	4.8	3.695	102.1	NA	32.4	226.6	0.06	0.04	0.17	17.8
West: Liverpool St												
10a	L1	72	4.4	0.072	4.7	LOS A	0.3	1.9	0.35	0.53	0.35	46.6
Approach		72	4.4	0.072	4.7	LOS A	0.3	1.9	0.35	0.53	0.35	46.6
SouthWest: Hume Hwy												
30b	L3	367	1.4	0.380	7.4	LOS A	0.0	0.0	0.00	0.40	0.00	61.3
11	T1	1692	4.2	0.380	0.1	LOS A	0.0	0.0	0.00	0.06	0.00	68.6
32a	R1	15	0.0	2.455	1688.1	LOS F	9.8	68.8	1.00	1.25	2.55	1.1
Approach		2074	3.7	2.455	13.4	NA	9.8	68.8	0.01	0.13	0.02	50.0
All Vehicles		4453	4.3	3.695	61.8	NA	32.4	226.6	0.04	0.09	0.11	25.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Minor Road Approach LOS values are based on average delay for all vehicle movements.
NA: Intersection LOS and Major Road Approach LOS values are Not Applicable for two-way sign control since the average delay is not a good LOS measure due to zero delays associated with major road movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 AM BASE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	8	12.5	0.038	62.7	LOS E	0.6	4.9	0.87	0.67	0.87	23.3
22	T1	1	0.0	0.038	57.0	LOS E	0.6	4.9	0.87	0.67	0.87	25.3
23	R2	1	0.0	0.038	62.6	LOS E	0.6	4.9	0.87	0.67	0.87	28.5
Approach		11	10.0	0.038	62.1	LOS E	0.6	4.9	0.87	0.67	0.87	24.0
NorthEast: Hume Hwy												
24	L2	1	0.0	0.398	12.8	LOS A	13.4	98.7	0.37	0.34	0.37	55.7
5	T1	1696	5.3	0.398	6.5	LOS A	14.0	102.7	0.37	0.34	0.37	58.0
26	R2	45	4.7	0.440	24.7	LOS B	2.0	14.2	0.58	0.73	0.58	36.5
Approach		1742	5.3	0.440	7.0	LOS A	14.0	102.7	0.38	0.35	0.38	57.1
NorthWest: Sappho Rd												
27	L2	18	11.8	0.078	65.3	LOS E	1.2	9.2	0.89	0.70	0.89	22.8
28	T1	1	0.0	0.078	59.7	LOS E	1.2	9.2	0.89	0.70	0.89	24.6
29	R2	28	11.1	0.125	64.5	LOS E	1.8	13.8	0.89	0.72	0.89	16.5
Approach		47	11.1	0.125	64.7	LOS E	1.8	13.8	0.89	0.72	0.89	19.3
SouthWest: Hume Hwy												
30	L2	167	3.1	0.534	13.9	LOS A	20.9	152.8	0.44	0.49	0.44	42.8
11	T1	2088	5.4	0.534	7.6	LOS A	22.0	161.0	0.44	0.43	0.44	55.7
32	R2	4	25.0	0.036	15.8	LOS B	0.1	1.0	0.36	0.63	0.36	41.4
Approach		2260	5.3	0.534	8.1	LOS A	22.0	161.0	0.44	0.44	0.44	54.8
All Vehicles		4060	5.4	0.534	8.4	LOS A	22.0	161.0	0.42	0.40	0.42	54.5

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P2	NorthEast Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P7	NorthWest Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		158	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 AM FUTUREE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 120 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	8	12.5	0.035	49.9	LOS D	0.5	3.9	0.86	0.67	0.86	26.5
22	T1	1	0.0	0.035	44.2	LOS D	0.5	3.9	0.86	0.67	0.86	28.7
23	R2	1	0.0	0.035	49.8	LOS D	0.5	3.9	0.86	0.67	0.86	31.9
Approach		11	10.0	0.035	49.3	LOS D	0.5	3.9	0.86	0.67	0.86	27.3
NorthEast: Hume Hwy												
24	L2	1	0.0	0.424	13.3	LOS A	12.7	93.1	0.43	0.39	0.43	55.3
5	T1	1720	5.4	0.424	6.9	LOS A	13.2	96.8	0.43	0.39	0.43	57.4
26	R2	59	8.9	0.589	31.4	LOS C	2.8	20.9	0.72	0.82	0.82	32.9
Approach		1780	5.6	0.589	7.7	LOS A	13.2	96.8	0.44	0.40	0.44	55.9
NorthWest: Sappho Rd												
27	L2	32	16.7	0.129	53.2	LOS D	1.7	13.3	0.89	0.72	0.89	25.5
28	T1	1	0.0	0.129	47.4	LOS D	1.7	13.3	0.89	0.72	0.89	27.6
29	R2	42	15.0	0.169	52.0	LOS D	2.1	16.9	0.89	0.74	0.89	19.0
Approach		75	15.5	0.169	52.4	LOS D	2.1	16.9	0.89	0.73	0.89	22.2
SouthWest: Hume Hwy												
30	L2	181	4.7	0.577	14.5	LOS A	20.3	148.7	0.51	0.55	0.51	41.7
11	T1	2144	5.4	0.577	8.3	LOS A	21.4	156.7	0.51	0.50	0.51	54.8
32	R2	4	25.0	0.035	16.5	LOS B	0.1	0.9	0.42	0.63	0.42	40.9
Approach		2329	5.4	0.577	8.8	LOS A	21.4	156.7	0.51	0.50	0.51	53.9
All Vehicles		4195	5.7	0.589	9.2	LOS A	21.4	156.7	0.49	0.46	0.49	53.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	54.3	LOS E	0.2	0.2	0.95	0.95
P2	NorthEast Full Crossing	53	54.3	LOS E	0.2	0.2	0.95	0.95
P7	NorthWest Full Crossing	53	54.3	LOS E	0.2	0.2	0.95	0.95
All Pedestrians		158	54.3	LOS E			0.95	0.95

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 PM BASE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 110 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	2	50.0	0.020	46.0	LOS D	0.2	1.9	0.84	0.64	0.84	27.0
22	T1	1	0.0	0.020	39.9	LOS C	0.2	1.9	0.84	0.64	0.84	30.4
23	R2	2	0.0	0.020	45.5	LOS D	0.2	1.9	0.84	0.64	0.84	33.6
Approach		5	20.0	0.020	44.6	LOS D	0.2	1.9	0.84	0.64	0.84	30.5
NorthEast: Hume Hwy												
24	L2	1	0.0	0.522	16.0	LOS B	17.0	124.5	0.55	0.50	0.55	53.0
5	T1	1918	5.2	0.522	9.5	LOS A	17.7	129.4	0.54	0.49	0.54	53.8
26	R2	69	3.0	0.499	27.0	LOS B	2.7	19.4	0.71	0.77	0.71	35.4
Approach		1988	5.1	0.522	10.1	LOS A	17.7	129.4	0.54	0.50	0.54	52.7
NorthWest: Sappho Rd												
27	L2	132	1.6	0.376	47.2	LOS D	6.3	44.4	0.91	0.79	0.91	27.4
28	T1	1	0.0	0.376	41.6	LOS C	6.3	44.4	0.91	0.79	0.91	29.3
29	R2	157	3.4	0.522	46.7	LOS D	7.5	53.7	0.92	0.80	0.92	20.6
Approach		289	2.5	0.522	46.9	LOS D	7.5	53.7	0.91	0.79	0.91	24.1
SouthWest: Hume Hwy												
30	L2	138	3.1	0.523	15.9	LOS B	17.0	122.4	0.55	0.56	0.55	40.6
11	T1	1848	3.0	0.523	9.6	LOS A	17.9	128.7	0.55	0.51	0.55	53.1
32	R2	2	50.0	0.025	22.2	LOS B	0.1	0.6	0.52	0.63	0.52	36.7
Approach		1988	3.0	0.523	10.1	LOS A	17.9	128.7	0.55	0.52	0.55	52.3
All Vehicles		4272	4.0	0.523	12.6	LOS A	17.9	129.4	0.57	0.53	0.57	48.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	49.3	LOS E	0.2	0.2	0.95	0.95
P2	NorthEast Full Crossing	53	49.3	LOS E	0.2	0.2	0.95	0.95
P7	NorthWest Full Crossing	53	49.3	LOS E	0.2	0.2	0.95	0.95
All Pedestrians		158	49.3	LOS E			0.95	0.95

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 PM FUTURE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 140 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	1	0.0	0.012	49.0	LOS D	0.2	1.5	0.79	0.62	0.79	27.3
22	T1	1	0.0	0.012	43.4	LOS D	0.2	1.5	0.79	0.62	0.79	29.3
23	R2	2	0.0	0.012	49.0	LOS D	0.2	1.5	0.79	0.62	0.79	32.5
Approach		4	0.0	0.012	47.6	LOS D	0.2	1.5	0.79	0.62	0.79	30.5
NorthEast: Hume Hwy												
24	L2	1	0.0	0.567	18.7	LOS B	24.3	178.6	0.57	0.52	0.57	50.8
5	T1	1942	5.3	0.567	11.8	LOS A	25.4	185.7	0.54	0.50	0.54	50.9
26	R2	83	6.3	0.379	43.8	LOS D	5.0	37.0	0.90	0.82	0.90	28.4
Approach		2026	5.4	0.567	13.2	LOS A	25.4	185.7	0.56	0.51	0.56	49.1
NorthWest: Sappho Rd												
27	L2	145	3.6	0.291	39.8	LOS C	7.0	50.4	0.75	0.76	0.75	29.8
28	T1	1	0.0	0.291	34.2	LOS C	7.0	50.4	0.75	0.76	0.75	31.9
29	R2	171	4.9	0.647	56.2	LOS D	10.2	74.6	0.92	0.81	0.92	18.2
Approach		317	4.3	0.647	48.6	LOS D	10.2	74.6	0.84	0.79	0.84	23.6
SouthWest: Hume Hwy												
30	L2	152	4.9	0.648	28.4	LOS B	30.5	219.6	0.74	0.72	0.74	30.1
11	T1	1904	3.0	0.648	22.1	LOS B	32.2	231.0	0.74	0.69	0.74	40.8
32	R2	1	0.0	0.012	36.8	LOS C	0.0	0.3	0.65	0.63	0.65	31.0
Approach		2057	3.2	0.648	22.6	LOS B	32.2	231.0	0.74	0.69	0.74	40.1
All Vehicles		4404	4.3	0.648	20.1	LOS B	32.2	231.0	0.66	0.61	0.66	41.8

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	64.3	LOS F	0.2	0.2	0.96	0.96
P2	NorthEast Full Crossing	53	64.3	LOS F	0.2	0.2	0.96	0.96
P7	NorthWest Full Crossing	53	64.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		158	64.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 SAT BASE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 70 seconds (Site User-Given Cycle Time)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	3	33.3	0.027	29.9	LOS C	0.2	2.0	0.81	0.64	0.81	33.4
22	T1	1	0.0	0.027	24.0	LOS B	0.2	2.0	0.81	0.64	0.81	37.0
23	R2	3	66.7	0.027	30.3	LOS C	0.2	2.0	0.81	0.64	0.81	37.8
Approach		7	42.9	0.027	29.2	LOS C	0.2	2.0	0.81	0.64	0.81	36.0
NorthEast: Hume Hwy												
24	L2	3	33.3	0.448	14.6	LOS B	9.2	66.2	0.57	0.51	0.57	53.4
5	T1	1572	2.1	0.448	7.7	LOS A	9.7	68.8	0.57	0.51	0.57	56.2
26	R2	141	0.7	0.496	30.3	LOS C	4.4	31.3	0.96	0.80	0.96	33.9
Approach		1716	2.1	0.496	9.6	LOS A	9.7	68.8	0.60	0.53	0.60	53.0
NorthWest: Sappho Rd												
27	L2	163	0.6	0.236	21.3	LOS B	3.8	27.2	0.71	0.75	0.71	38.5
28	T1	2	50.0	0.236	15.8	LOS B	3.8	27.2	0.71	0.75	0.71	40.8
29	R2	251	0.4	0.846	42.2	LOS C	9.7	67.9	0.98	1.00	1.37	22.1
Approach		416	0.8	0.846	33.9	LOS C	9.7	67.9	0.88	0.90	1.11	28.3
SouthWest: Hume Hwy												
30	L2	349	0.6	0.820	29.4	LOS C	22.5	159.4	0.94	0.94	1.08	28.4
11	T1	1701	2.4	0.820	23.3	LOS B	23.7	169.0	0.94	0.93	1.07	39.9
32	R2	2	50.0	0.017	25.9	LOS B	0.1	0.5	0.72	0.64	0.72	34.8
Approach		2053	2.2	0.820	24.3	LOS B	23.7	169.0	0.94	0.93	1.07	38.0
All Vehicles		4192	2.1	0.846	19.2	LOS B	23.7	169.0	0.80	0.76	0.88	41.8

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
P2	NorthEast Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
P7	NorthWest Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
All Pedestrians		158	29.3	LOS C			0.92	0.92

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2v [Site6_2018 SAT FUTURE_Sappho Rd_Hume Hwy]

2018 AM BASE_Junction St_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 70 seconds (Site User-Given Cycle Time)
Variable Sequence Analysis applied. The results are given for the selected output sequence.

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
SouthEast: RoadName												
21	L2	3	33.3	0.025	29.0	LOS C	0.2	1.9	0.80	0.64	0.80	33.8
22	T1	1	0.0	0.025	23.1	LOS B	0.2	1.9	0.80	0.64	0.80	37.5
23	R2	3	66.7	0.025	29.4	LOS C	0.2	1.9	0.80	0.64	0.80	38.2
Approach		7	42.9	0.025	28.3	LOS B	0.2	1.9	0.80	0.64	0.80	36.4
NorthEast: Hume Hwy												
24	L2	3	33.3	0.465	15.2	LOS B	9.8	69.9	0.60	0.53	0.60	52.9
5	T1	1593	2.1	0.465	8.3	LOS A	10.2	72.7	0.60	0.53	0.60	55.3
26	R2	152	0.7	0.545	32.6	LOS C	4.8	34.0	0.97	0.81	1.02	32.9
Approach		1747	2.0	0.545	10.5	LOS A	10.2	72.7	0.63	0.55	0.63	51.9
NorthWest: Sappho Rd												
27	L2	177	2.4	0.248	20.7	LOS B	4.1	29.5	0.70	0.75	0.70	38.8
28	T1	2	50.0	0.248	15.2	LOS B	4.1	29.5	0.70	0.75	0.70	41.1
29	R2	264	1.6	0.872	44.3	LOS D	10.6	75.1	0.98	1.04	1.44	21.4
Approach		443	2.1	0.872	34.8	LOS C	10.6	75.1	0.87	0.92	1.15	28.0
SouthWest: Hume Hwy												
30	L2	363	1.4	0.875	36.1	LOS C	26.6	189.0	0.98	1.04	1.24	25.1
11	T1	1754	2.3	0.875	29.8	LOS C	28.0	200.1	0.98	1.04	1.22	35.7
32	R2	2	50.0	0.018	26.8	LOS B	0.1	0.6	0.74	0.64	0.74	34.4
Approach		2119	2.2	0.875	30.8	LOS C	28.0	200.1	0.98	1.04	1.22	33.9
All Vehicles		4317	2.2	0.875	23.0	LOS B	28.0	200.1	0.83	0.83	0.98	38.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P5	SouthEast Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
P2	NorthEast Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
P7	NorthWest Full Crossing	53	29.3	LOS C	0.1	0.1	0.92	0.92
All Pedestrians		158	29.3	LOS C			0.92	0.92

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: 2944 [Site7_2018 AM BASE Cabramatta Rd_Broomfield St]

Cabramatta Rd_Broomfield St
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Broomfield St												
2	T1	119	0.9	0.138	10.5	LOS A	2.0	14.5	0.62	0.50	0.62	35.1
3	R2	23	0.0	0.034	14.6	LOS B	0.4	2.8	0.61	0.63	0.61	31.5
Approach		142	0.7	0.138	11.1	LOS A	2.0	14.5	0.62	0.52	0.62	34.6
East: Cabramatta Rd E												
4	L2	67	0.0	0.115	19.3	LOS B	1.4	9.9	0.74	0.69	0.74	29.4
6	R2	142	0.7	0.222	18.5	LOS B	3.0	21.0	0.74	0.72	0.74	26.5
Approach		209	0.5	0.222	18.7	LOS B	3.0	21.0	0.74	0.71	0.74	27.7
North: Broomfield St												
7	L2	87	6.0	0.210	10.2	LOS A	2.4	17.5	0.61	0.59	0.61	32.4
8	T1	89	2.4	0.210	6.8	LOS A	2.4	17.5	0.61	0.59	0.61	35.9
Approach		177	4.2	0.210	8.4	LOS A	2.4	17.5	0.61	0.59	0.61	34.7
All Vehicles		528	1.8	0.222	13.2	LOS A	3.0	21.0	0.66	0.62	0.66	32.2

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
P2	East Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
All Pedestrians		105	24.4	LOS C			0.90	0.90

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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MOVEMENT SUMMARY

Site: 2944 [Site7_2018 AM FUTURE Cabramatta Rd_Broomfield St]

Cabramatta Rd_Broomfield St
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Broomfield St												
2	T1	119	0.9	0.144	11.1	LOS A	2.1	14.9	0.64	0.51	0.64	34.8
3	R2	91	4.7	0.142	15.9	LOS B	1.7	12.5	0.67	0.68	0.67	30.8
Approach		209	2.5	0.144	13.2	LOS A	2.1	14.9	0.65	0.58	0.65	33.3
East: Cabramatta Rd E												
4	L2	135	3.1	0.224	19.2	LOS B	2.9	20.8	0.76	0.72	0.76	29.4
6	R2	142	0.7	0.212	17.7	LOS B	2.9	20.4	0.72	0.71	0.72	26.9
Approach		277	1.9	0.224	18.4	LOS B	2.9	20.8	0.74	0.72	0.74	28.3
North: Broomfield St												
7	L2	87	6.0	0.218	10.7	LOS A	2.5	18.3	0.63	0.60	0.63	32.0
8	T1	89	2.4	0.218	7.3	LOS A	2.5	18.3	0.63	0.60	0.63	35.7
Approach		177	4.2	0.218	9.0	LOS A	2.5	18.3	0.63	0.60	0.63	34.4
All Vehicles		663	2.7	0.224	14.3	LOS A	2.9	20.8	0.68	0.64	0.68	31.7

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
P2	East Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
All Pedestrians		105	24.4	LOS C			0.90	0.90

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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MOVEMENT SUMMARY

Site: 2944 [Site7_2018 PM BASE Cabramatta Rd_Broomfield St]

Cabramatta Rd_Broomfield St
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Broomfield St												
2	T1	106	0.0	0.101	6.9	LOS A	1.5	10.3	0.50	0.40	0.50	36.6
3	R2	38	0.0	0.048	11.1	LOS A	0.5	3.8	0.52	0.61	0.52	33.2
Approach		144	0.0	0.101	8.0	LOS A	1.5	10.3	0.51	0.46	0.51	35.9
East: Cabramatta Rd E												
4	L2	52	2.0	0.131	24.4	LOS B	1.3	8.9	0.84	0.71	0.84	27.5
6	R2	111	1.0	0.242	23.3	LOS B	2.7	18.8	0.84	0.74	0.84	24.3
Approach		162	1.3	0.242	23.7	LOS B	2.7	18.8	0.84	0.73	0.84	25.5
North: Broomfield St												
7	L2	121	4.3	0.230	7.7	LOS A	2.5	18.2	0.52	0.55	0.52	34.4
8	T1	117	0.0	0.230	4.2	LOS A	2.5	18.2	0.52	0.55	0.52	37.0
Approach		238	2.2	0.230	6.0	LOS A	2.5	18.2	0.52	0.55	0.52	36.1
All Vehicles		544	1.4	0.242	11.8	LOS A	2.7	18.8	0.61	0.58	0.61	32.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
P2	East Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
All Pedestrians		105	24.4	LOS C			0.90	0.90

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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MOVEMENT SUMMARY

Site: 2944 [Site7_2018 PM FUTURE Cabramatta Rd_Broomfield St]

Cabramatta Rd_Broomfield St
Site Category: Base AM
Signals - Fixed Time Isolated Cycle Time = 60 seconds (Site User-Given Cycle Time)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
South: Broomfield St												
2	T1	106	0.0	0.101	6.9	LOS A	1.5	10.3	0.50	0.40	0.50	36.6
3	R2	62	5.1	0.081	11.3	LOS A	0.9	6.7	0.53	0.63	0.53	33.0
Approach		168	1.9	0.101	8.5	LOS A	1.5	10.3	0.51	0.48	0.51	35.5
East: Cabramatta Rd E												
4	L2	76	5.6	0.197	24.9	LOS B	1.9	13.8	0.85	0.73	0.85	27.3
6	R2	111	1.0	0.242	23.3	LOS B	2.7	18.8	0.84	0.74	0.84	24.3
Approach		186	2.8	0.242	24.0	LOS B	2.7	18.8	0.84	0.73	0.84	25.7
North: Broomfield St												
7	L2	121	4.3	0.230	7.7	LOS A	2.5	18.2	0.52	0.55	0.52	34.4
8	T1	117	0.0	0.230	4.2	LOS A	2.5	18.2	0.52	0.55	0.52	37.0
Approach		238	2.2	0.230	6.0	LOS A	2.5	18.2	0.52	0.55	0.52	36.1
All Vehicles		593	2.3	0.242	12.4	LOS A	2.7	18.8	0.62	0.59	0.62	32.6

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P1	South Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
P2	East Full Crossing	53	24.4	LOS C	0.1	0.1	0.90	0.90
All Pedestrians		105	24.4	LOS C			0.90	0.90

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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MOVEMENT SUMMARY

Site: TCS1146 [Site8_2018 AM BASE_Cabramatta Rd_Hume Hwy]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Hume Hwy E												
5	T1	1279	7.4	0.514	2.8	LOS A	6.0	44.4	0.14	0.13	0.14	65.8
6	R2	307	10.3	0.684	75.8	LOS F	11.1	84.5	1.00	0.83	1.04	24.8
Approach		1586	8.0	0.684	17.0	LOS B	11.1	84.6	0.31	0.26	0.31	49.8
North: Cabramatta Rd												
7	L2	593	2.7	0.672	48.1	LOS D	28.9	206.9	0.89	0.85	0.89	31.1
9	R2	293	2.5	0.672	62.6	LOS E	13.7	97.7	0.94	0.82	0.95	30.1
Approach		885	2.6	0.672	52.9	LOS D	28.9	206.9	0.91	0.84	0.91	30.7
West: Hume Hwy W												
10	L2	105	5.0	0.688	28.5	LOS C	30.2	221.8	0.66	0.64	0.66	44.9
11	T1	1978	5.4	0.688	20.7	LOS B	30.2	221.8	0.64	0.59	0.64	47.7
Approach		2083	5.4	0.688	21.1	LOS B	30.2	221.8	0.64	0.59	0.64	47.5
All Vehicles		4555	5.8	0.688	25.8	LOS B	30.2	221.8	0.57	0.53	0.58	43.4

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		105	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1146 [Site8_2018 AM FUTURE_Cabramatta Rd_Hume Hwy]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 150 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Hume Hwy E												
5	T1	1324	7.4	0.532	2.9	LOS A	6.4	47.5	0.14	0.13	0.14	65.7
6	R2	321	10.8	0.683	74.9	LOS F	11.6	88.2	1.00	0.83	1.04	24.9
Approach		1645	8.1	0.683	16.9	LOS B	11.6	88.3	0.31	0.27	0.32	49.8
North: Cabramatta Rd												
7	L2	593	2.7	0.693	47.6	LOS D	30.5	218.4	0.90	0.85	0.90	31.3
9	R2	317	3.3	0.693	63.5	LOS E	13.8	98.9	0.94	0.83	0.97	29.8
Approach		909	2.9	0.693	53.1	LOS D	30.5	218.4	0.91	0.84	0.93	30.7
West: Hume Hwy W												
10	L2	119	7.1	0.703	30.4	LOS C	31.9	234.8	0.70	0.67	0.70	43.8
11	T1	1978	5.4	0.703	21.9	LOS B	31.9	234.8	0.66	0.61	0.66	46.8
Approach		2097	5.5	0.703	22.4	LOS B	31.9	234.8	0.66	0.62	0.66	46.5
All Vehicles		4652	5.9	0.703	26.5	LOS B	31.9	234.8	0.59	0.54	0.59	43.0

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P3	North Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
P4	West Full Crossing	53	69.3	LOS F	0.2	0.2	0.96	0.96
All Pedestrians		105	69.3	LOS F			0.96	0.96

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1146 [Site8_2018 PM BASE_Cabramatta Rd_Hume Hwy]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 110 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Hume Hwy E												
5	T1	1781	5.6	0.688	2.1	LOS A	7.4	54.3	0.17	0.16	0.17	66.9
6	R2	751	3.6	0.801	50.8	LOS D	20.1	145.1	0.99	0.90	1.10	31.0
Approach		2532	5.0	0.801	16.5	LOS B	20.1	145.1	0.41	0.38	0.44	49.8
North: Cabramatta Rd												
7	L2	426	3.2	0.459	24.0	LOS B	14.5	104.3	0.69	0.79	0.69	40.9
9	R2	416	2.0	0.810	59.7	LOS E	11.8	83.7	1.00	0.92	1.21	30.8
Approach		842	2.6	0.810	41.7	LOS C	14.5	104.3	0.84	0.85	0.95	34.8
West: Hume Hwy W												
10	L2	232	2.3	0.786	41.2	LOS C	25.4	183.5	0.93	0.86	0.96	38.2
11	T1	1462	4.3	0.786	31.5	LOS C	26.5	192.1	0.89	0.82	0.92	40.8
Approach		1694	4.0	0.786	32.8	LOS C	26.5	192.1	0.89	0.82	0.92	40.3
All Vehicles		5067	4.3	0.810	26.2	LOS B	26.5	192.1	0.64	0.61	0.69	43.1

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P3	North Full Crossing	53	49.3	LOS E	0.2	0.2	0.95	0.95
P4	West Full Crossing	53	49.3	LOS E	0.2	0.2	0.95	0.95
All Pedestrians		105	49.3	LOS E			0.95	0.95

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

MOVEMENT SUMMARY

Site: TCS1146 [Site8_2018 PM FUTURE_Cabramatta Rd_Hume Hwy]

Cabramatta Rd_Hume Hwy
Site Category: Base AM
Signals - Fixed Time Coordinated Cycle Time = 100 seconds (Site Optimum Cycle Time - Minimum Degree of Saturation)

Movement Performance - Vehicles

Mov ID	Turn	Demand Flows Total veh/h	HV %	Deg. Satn v/c	Average Delay sec	Level of Service	95% Back of Queue Vehicles veh	Distance m	Prop. Queued	Effective Stop Rate	Aver. No. Cycles	Average Speed km/h
East: Hume Hwy E												
5	T1	1826	5.6	0.726	3.0	LOS A	10.7	78.2	0.26	0.24	0.26	65.5
6	R2	764	4.0	0.836	51.2	LOS D	19.8	143.7	1.00	0.94	1.18	30.8
Approach		2591	5.2	0.836	17.3	LOS B	19.8	143.7	0.48	0.45	0.53	49.2
North: Cabramatta Rd												
7	L2	426	3.2	0.458	22.3	LOS B	13.2	94.9	0.69	0.78	0.69	41.9
9	R2	440	2.6	0.806	54.9	LOS D	11.4	81.5	1.00	0.92	1.21	32.1
Approach		866	2.9	0.806	38.9	LOS C	13.2	94.9	0.85	0.85	0.95	35.9
West: Hume Hwy W												
10	L2	245	3.4	0.823	43.1	LOS D	24.9	180.9	0.96	0.92	1.06	37.3
11	T1	1462	4.3	0.823	32.6	LOS C	26.6	192.9	0.93	0.87	1.00	40.2
Approach		1707	4.2	0.823	34.1	LOS C	26.6	192.9	0.93	0.88	1.01	39.7
All Vehicles		5164	4.5	0.836	26.5	LOS B	26.6	192.9	0.69	0.66	0.76	42.9

Site Level of Service (LOS) Method: Delay (RTA NSW). Site LOS Method is specified in the Parameter Settings dialog (Site tab).
Vehicle movement LOS values are based on average delay per movement.
Intersection and Approach LOS values are based on average delay for all vehicle movements.
SIDRA Standard Delay Model is used. Control Delay includes Geometric Delay.
Gap-Acceptance Capacity: SIDRA Standard (Akçelik M3D).
HV (%) values are calculated for All Movement Classes of All Heavy Vehicle Model Designation.

Movement Performance - Pedestrians

Mov ID	Description	Demand Flow ped/h	Average Delay sec	Level of Service	Average Back of Queue Pedestrian ped	Distance m	Prop. Queued	Effective Stop Rate
P3	North Full Crossing	53	44.3	LOS E	0.1	0.1	0.94	0.94
P4	West Full Crossing	53	44.3	LOS E	0.1	0.1	0.94	0.94
All Pedestrians		105	44.3	LOS E			0.94	0.94

Level of Service (LOS) Method: SIDRA Pedestrian LOS Method (Based on Average Delay)
Pedestrian movement LOS values are based on average delay per pedestrian movement.
Intersection LOS value for Pedestrians is based on average delay for all pedestrian movements.

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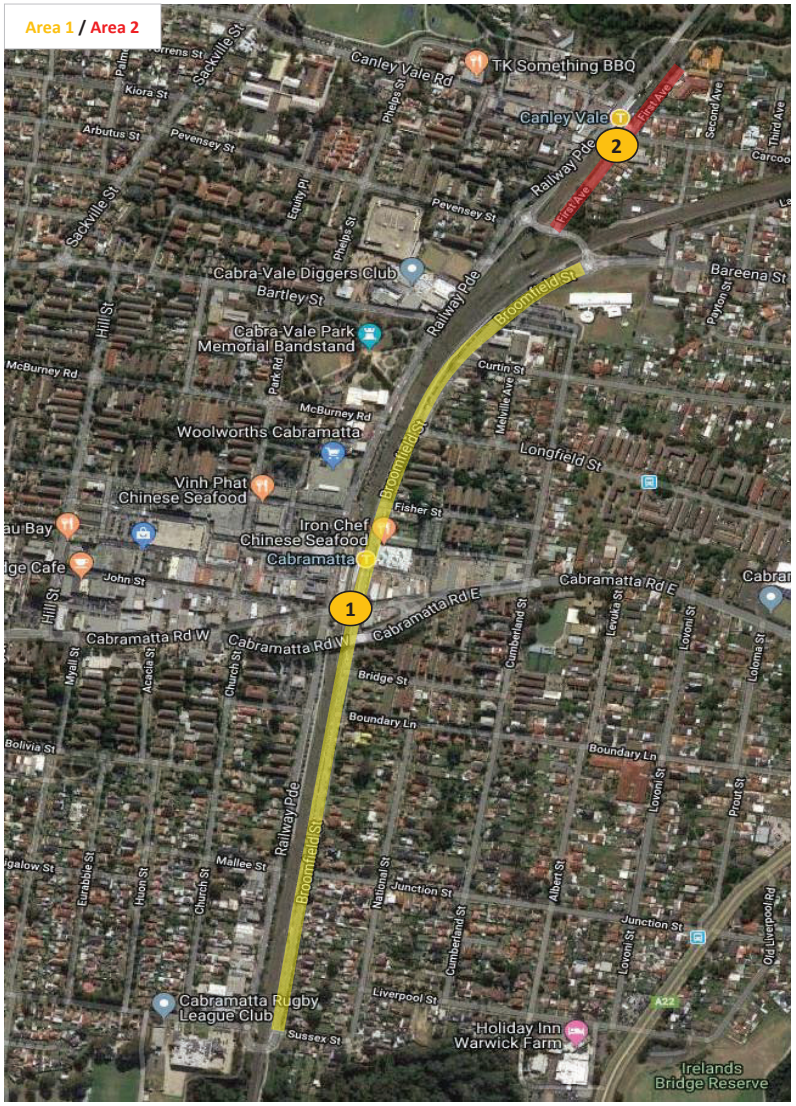
Appendix C – Parking surveys

Client	GHD
Date	Tuesday, 23rd October 2018 (7:00-19:00, 12hrs)
Description	Cabramatta Parking Survey



Area 1
1. Broomfield St

Area 2
1. First Ave

Area 3
1. Warwick Farm Railway Station

Client	GHD
Date	Tuesday, 23rd October 2018 (7:00-19:00, 12hrs)
Description	Cabramatta Parking Survey

Zone Name	Side of Street	Between	Restrictions	Applicable Hours	Capacity	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
Broomfield St	East	Sussex St & #170 Broomfield St	No Restriction		12	2	2	2	5	5	4	3	3	4	4	5	5
		#170 Broomfield St & Junction St	No Restriction		22	0	0	0	1	2	2	2	2	1	0	0	0
		Junction St & Boundary Ln	No Restriction		31	20	21	27	27	27	26	26	26	26	24	18	12
			No Stopping														
		Boundary Ln & Bridge St	No Stopping														
		Bridge St & Cabramatta Rd	No Stopping														
			2P	am 8:30 - pm 18:00 (Mon-Fri)	8	5	6	6	7	6	7	7	6	7	6	7	7
			1/2 P	am 8:30 - pm 18:00	5	4	3	3	5	5	4	5	5	5	4	4	3
			No Stopping														
		Cabramatta Rd & Fisher St	No Stopping														
			1/2 P	am 8:30 - pm 18:00	2	2	2	2	2	2	2	2	2	2	2	2	2
			Loading Zone		2	0	0	1	1	1	2	2	2	1	2	1	2
			No Stopping														
			1P	am 8:30 - pm 18:00	7	5	6	6	6	6	6	6	6	7	6	7	6
			No Parking														
			1P	am 8:30 - pm 18:00	6	4	5	4	6	6	6	5	6	5	6	6	6
			No Stopping														
		Fisher St & LongField St	No Restriction		14	14	13	13	13	14	14	14	14	14	14	10	8
			No Stopping														
		LongField St & Curtin St	No Restriction		14	11	14	14	14	14	14	14	14	14	12	10	6
		Curtin St & Bareena St	No Restriction		11	6	7	7	8	8	8	7	6	6	6	6	6
			Bus Zone	am 9:00 - pm 15:00 (Mon-Fri) am 9:00 - pm 18:00 (Sat-Sun)	4	1	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		10	0	0	0	0	0	0	0	0	0	0	0	0
	West	Bareena St & #170 Broomfield St	No Stopping														
			No Restriction		5	3	4	4	4	4	3	3	2	2	1	1	1
			No Restriction	45 Angle Parking Rear to Kerb Under 6m Vehicle	30	28	30	30	28	28	30	30	30	30	21	18	14
			No Stopping														
			No Restriction	45 Angle Parking Rear to Kerb Under 6m Vehicle	17	15	17	17	17	17	17	17	17	17	15	10	4
			No Restriction		11	10	10	10	10	10	10	10	10	9	9	6	4
			No Stopping														
			No Restriction		20	16	18	18	18	18	18	18	18	18	18	15	16
			No Stopping														
			No Restriction		3	3	3	3	3	3	3	3	3	3	3	3	3
			No Stopping														2
			No Restriction		7	7	7	7	7	7	7	7	7	7	7	7	7
			No Parking		2	0	0	0	0	0	0	0	0	0	0	0	0
			Taxi Zone		2	0	0	0	0	0	0	0	0	0	0	0	0
			Mail Zone		1	0	0	0	0	0	0	0	0	0	0	0	0
			No Stopping														
			Bus Zone														
			No Stopping														
			Disabled Parking		3	0	1	2	2	2	1	3	3	3	2	2	3
			2P	am 8:30 - pm 18:00	9	9	9	9	9	9	9	9	9	9	9	7	7
			No Stopping														
			No Restriction		15	10	15	15	15	15	15	15	15	15	12	10	6
			No Restriction	45 Angle Parking Rear to Kerb Under 6m Vehicle	41	35	41	41	41	41	41	41	41	41	40	38	21
			No Restriction		53	0	12	22	22	22	23	22	21	21	20	18	13
		#170 Broomfield St & Sussex St	No Restriction		14	0	0	0	2	2	1	2	2	1	1	0	0
Total					381	210	246	263	273	274	273	273	270	268	244	211	164
% Capacity						55%	65%	69%	72%	72%	72%	72%	71%	70%	64%	55%	43%

Client GHD
Date Tuesday, 23rd October 2018 (7:00-19:00, 12hrs)
Description Cabramatta Parking Survey

Zone Name	Side of Street	Between	Restrictions	Applicable Hours	Capacity	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
First Ave	East	Bareena St & Carcoola St	No Stopping														
			No Restriction		3	3	3	3	3	3	3	3	2	2	3	2	2
			No Parking		1	0	0	0	0	0	1	0	0	0	0	0	0
			No Stopping														
		Carcoola St & Unnamed St	No Stopping														
			No Restriction		3	3	3	3	3	3	3	3	2	2	2	2	2
			No Stopping														
		Unnamed St & End of Road	No Stopping														
			No Restriction		11	10	10	10	8	8	6	5	5	5	3	2	1
	West	No Through Rd & Bareena St	No Restriction	90 Angle	51	40	48	51	51	51	51	51	50	51	46	38	23
			No Stopping														
			No Restriction		7	7	7	7	7	7	7	7	7	7	5	4	3
			No Stopping														
Total					**76**	**63**	**71**	**74**	**72**	**72**	**71**	**69**	**66**	**67**	**59**	**48**	**31**
% Capacity						83%	93%	97%	95%	95%	93%	91%	87%	88%	78%	63%	41%

Client GHD
Date Tuesday, 23rd October 2018 (7:00-19:00, 12hrs)
Description Cabramatta Parking Survey

Street Name	Side of Street	Between	Restrictions	Applicable Hours	Capacity	7:00	8:00	9:00	10:00	11:00	12:00	13:00	14:00	15:00	16:00	17:00	18:00
Area 3.1			Disabled		2	0	0	0	0	0	1	1	2	2	1	1	1
			No Restriction		108	76	108	107	108	108	107	108	106	108	91	76	45
Total					**110**	**76**	**108**	**107**	**108**	**108**	**108**	**109**	**108**	**110**	**92**	**77**	**46**
% Capacity						69%	98%	97%	98%	98%	98%	99%	98%	100%	84%	70%	42%
Area 3.2			Disabled		8	5	5	7	7	7	7	7	7	6	7	5	5
			Motorbike Parking		4	0	0	0	0	0	0	0	0	0	0	0	0
			Taxi Only		1	0	0	0	0	0	0	0	0	0	0	0	0
			Taxi Zone & Disabled		2	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		190	121	190	190	190	190	190	190	190	190	154	97	69
Total					**205**	**126**	**195**	**197**	**197**	**197**	**197**	**197**	**197**	**196**	**161**	**102**	**74**
% Capacity						61%	95%	96%	96%	96%	96%	96%	96%	96%	79%	50%	36%
Area 3.3	Zone A	Ground Level	Motorbike Parking		5	0	0	1	1	1	1	1	1	1	0	0	0
			Disabled		11	3	4	8	8	9	9	10	10	9	7	7	5
			No Restriction		95	94	95	95	95	95	95	94	95	94	87	61	47
		Level 1	Motorbike Parking		9	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		129	115	128	129	129	128	129	129	129	126	110	75	43
		Level 2	Motorbike Parking		9	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		129	102	125	128	129	129	129	129	128	127	125	91	62
		Level 3	Motorbike Parking		10	0	0	0	0	0	0	0	0	0	0	0	0
			No Restriction		129	55	120	129	128	129	129	128	129	126	119	88	63
	Zone B		45 Angle parking rear to kerb vehicles under 6m only		37	28	37	37	37	37	37	37	37	37	32	26	15
	Zone C		No Restriction		10	10	10	10	10	10	10	10	10	10	10	8	7
Total					**573**	**407**	**519**	**537**	**537**	**538**	**539**	**538**	**539**	**530**	**490**	**356**	**242**
% Capacity						71%	91%	94%	94%	94%	94%	94%	94%	92%	86%	62%	42%

Appendix D – Travel time review

5 min (2.0 km)

via Broomfield St and Church St

59 National St

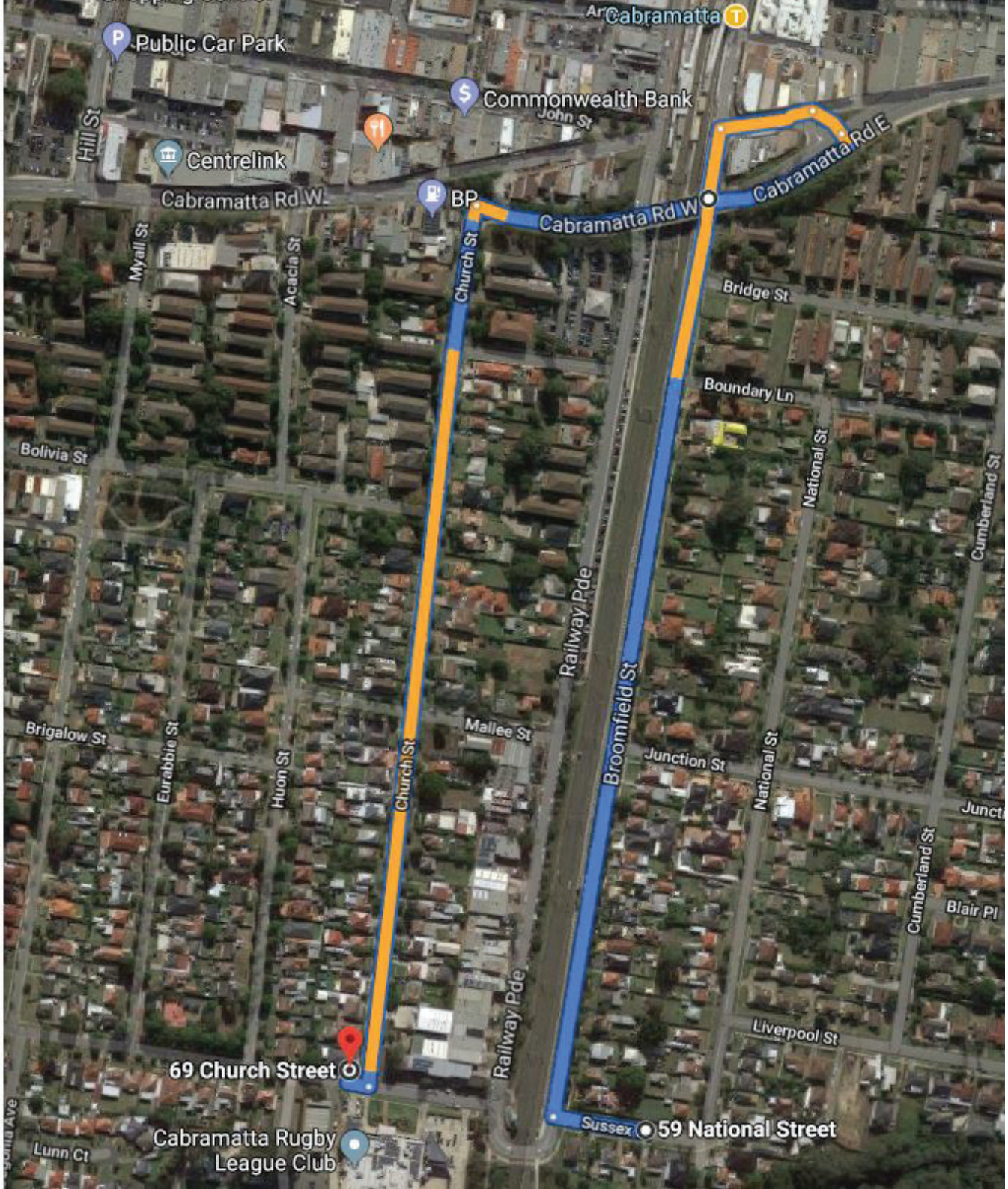
Cabramatta NSW 2166

- Head west on Sussex St towards Broomfield St
  75 m
- Turn right onto Broomfield St
  800 m
- Turn right onto Cabramatta Rd E
  76 m
- Turn right towards Cabramatta Rd E
  30 m
- Turn right at the 1st cross street onto Cabramatta Rd E
  350 m
- Turn left onto Church St
  700 m
- Turn right onto Sussex St
  Destination will be on the right
  17 m

69 Church St

Cabramatta NSW 2166

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.



4 - 6 min (2.3 km)

via Railway Pde and Broomfield St

69 Church St

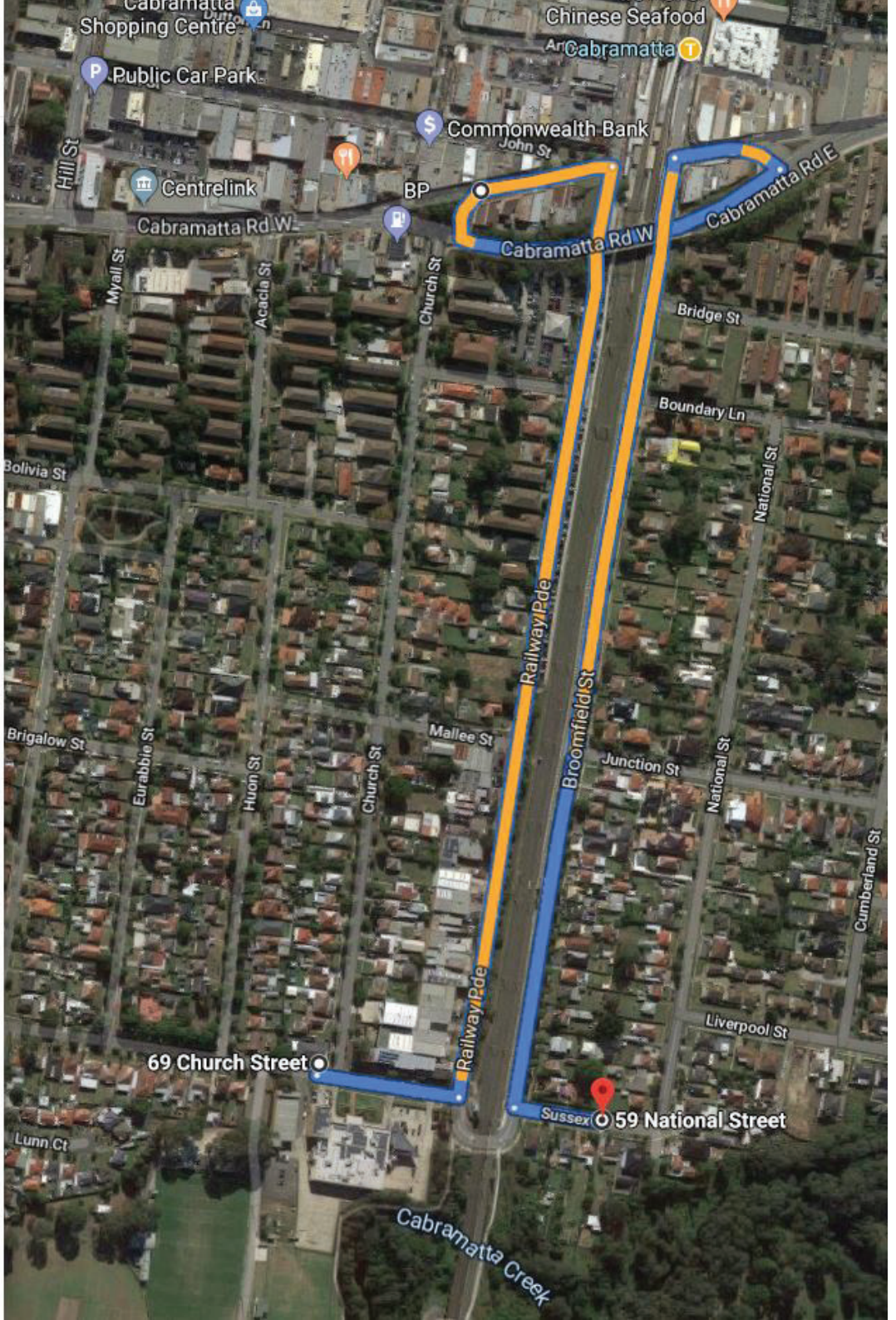
Cabramatta NSW 2166

- Head east on Sussex St towards Church St — 120 m
- Turn left onto Railway Pde — 800 m
- Turn left onto Cabramatta Rd W — 450 m
- Turn left onto Cabramatta Rd E — 93 m
- Turn left onto Broomfield St — 800 m
- Turn left onto Sussex St — 75 m

59 National St

Cabramatta NSW 2166

These directions are for planning purposes only. You may find that construction projects, traffic, weather, or other events may cause conditions to differ from the map results, and you should plan your route accordingly. You must obey all signs or notices regarding your route.



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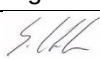
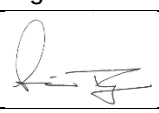
2219800-96398/https://projects.ghd.com/oc/Sydney1/cabramattaloopprejec/Delivery/Documents/2219800-REP_0 Cabramatta Loop Project_TIA_ARTC.docx

Document Status

Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
2	S Quinn	S Clarke		S Page		08/08/2019

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CABRAMATTA LOOP PROJECT

TECHNICAL REPORT

TECHNICAL REPORT 2 —
NOISE AND VIBRATION
IMPACT ASSESSMENT

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Australian Rail Track Corporation

Cabramatta Loop Project

Environmental Impact Statement

Technical Report 2 - Noise and Vibration Impact Assessment

August 2019

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Glossary

Term	Definition
Absolute rail noise	The absolute rail noise refers to noise levels emitted by rail only, that is without the contribution of any other noise source.
Ambient noise	The all-encompassing noise associated with a given environment. It is the composite of sounds from many sources, both near and far.
Background noise	The underlying level of noise present in the ambient noise when extraneous noise is removed. This is described using the L_{A90} descriptor (See also rating background level).
dB	Decibel, which is 10 times the logarithm (base 10) of the ratio of a given sound pressure to a reference pressure; used as a unit of sound.
dB(A)	Decibel expressed with the frequency weighting filter used to measure 'A-weighted' sound pressure levels, which conforms approximately to the human ear response, as our hearing is less sensitive at low and high frequencies.
Feasibility	Feasibility (or practicability) relates to engineering constraints such as constructability, safety, maintenance and reliability.
Ground-borne vibration	Ground-borne vibration is vibration transmitted from source to receiver via the medium of the ground.
Kilde report 67/130 (1984)	Nordic rail traffic noise prediction method.
$L_{A90\ (Time)}$	The A-weighted sound pressure level that is exceeded for 90% of the time over which a given sound is measured. This is considered to represent the background noise. Eg $L_{A90\ (15\ min)}$.
$L_{AN\ (Time)}$	The A-weighted sound pressure level that is exceeded for N% of the time over which a given sound is measured. Eg L_{A1}.
$L_{Aeq\ (Time)}$	Equivalent sound pressure level: the steady sound level that, over a specified period, would produce the same energy equivalence as the fluctuating sound level actually occurring.
$L_{Aeq\ (15\ hr)}$	The L_{Aeq} noise level for the period 7.00 to 22.00 hours.
$L_{Aeq\ (9\ hr)}$	The L_{Aeq} noise level for the period 22.00 to 7.00 hours.
$L_{Aeq\ (1hr)}$	The highest hourly L_{Aeq} noise level during the day and night periods.
L_{AFmax}	The maximum sound level recorded during the measurement period.
Mitigation	Reduction in severity.
Noise sensitive receiver	An area or place potentially affected by noise including residential dwellings, schools, child care centres, places of worship, health care institutions and active or passive recreational areas.
Notch setting	Locomotive throttle control position.
Peak Particle Velocity (PPV)	The maximum vector vibration velocity that occurs in any of the individual x,y or z orthogonal directions. Current practices for assessments of the risk of structural damage to buildings use measurements of PPV in millimetres per second.
Project	The construction and operation of the Cabramatta Loop
Projet site	Refers to the area that would be directly disturbed by construction of the project (for example, as a result of ground disturbance and the construction of foundations for structures). It includes
Rating Background Level (RBL)	The overall single-figure background level representing each assessment period (day/evening/night) over the whole monitoring period. This is the level used for construction noise assessment purposes.

Term	Definition
Reasonable	Considers cost, noise impacts, mitigation benefits, community views and state government requirements to determine if a noise mitigation proposal is reasonable.
Receiver	A noise modelling term used to describe a map reference point where noise is predicted. A sensitive receiver would be a home, work place, church, school or other place where people spend time.
RMS or Vrms	Root Mean Square (velocity)
Short-term vibration	Vibration that occurs so infrequently that it does not cause structural fatigue nor does it produce resonance in the structure.
Sound Pressure Level (SPL)	20 times the logarithm to the base 10 of the ratio of the RMS sound pressure level to the reference sound pressure level of 20 micro Pascals.
Study area	For the noise assessment, the study area has been defined as a one kilometre buffer from the railway alignment between Cabramatta and Warwick Farm.
Tonality	Noise containing a prominent frequency or frequencies characterised by a definite pitch.
Turnouts	Assemblies of rails, switches and crossings where two tracks converge into one.
Vibration dose value (VDV)	As defined in BS6472 – 1992, the vibration dose value is given by the fourth root of the integral of the fourth power of the frequency weighted acceleration.
Vibration	The variation of the magnitude of a quantity which is descriptive of the motion or position of a mechanical system, when the magnitude is alternately greater and smaller than some average value or reference. Vibration can be measured in terms of its displacement, velocity or acceleration. The common units for velocity are millimetres per second (mm/s).

List of abbreviations

Abbreviation	Definition
AVTG	Assessing Vibration: A Technical Guideline (DEC 2006)
ARTC	Australian Rail Track Corporation
CNVS	Construction Noise and Vibration Strategy (TfNSW 2018)
DEC, DECC, DECCW	See OEH
EPA	Environment Protection Authority of New South Wales
EP&A Act	NSW *Environmental Planning and Assessment Act 1979*
EIS	Environmental impact statement
ICNG	*Interim Construction Noise Guideline* (DECC 2009)
INP	*Industrial Noise Policy* (EPA 2000)
mm/s	millimetres per second
m/s	metres per second
NCA	Noise catchment area
NML	Noise management level
NPI	*Noise Policy for Industry* (EPA 2017)
NVSR	Noise and vibration sensitive receiver
OEH	The Office of Environment and Heritage (OEH). Formerly the Department of Environment and Conservation (DEC) before becoming the Department of Environment and Climate Change (DECC), later known as the Department of Environment Climate Change and Water (DECCW).
RING	*Rail Infrastructure Noise Guideline*
RBL	Rating Background Level
RNP	*Road Noise Policy* (DECCW 2011)
SEARs	Secretary's Environmental Assessment Requirements
SEL (or L_{AE})	Sound exposure level
SSFL	Southern Sydney Freight Line
TfNSW	Transport for NSW

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Executive summary

Australian Rail Track Corporation proposes to construct and operate a passing loop for up to 1,300 metre length trains on the Southern Sydney Freight Line between Sydney Trains' Cabramatta and Warwick Farm stations. The Cabramatta Loop Project would allow freight trains to pass and provide additional rail freight capacity along the SSFL.

A noise and vibration assessment of construction and operational activities associated with the project has been undertaken.

Baseline noise monitoring was undertaken at seven locations in the project area. The noise monitoring was used to establish rail, ambient and background noise levels in the area. Five locations were used for operational rail noise validation.

Construction activities are proposed to be carried out during and outside standard construction hours and have been modelled based on the construction staging.

The predicted noise levels indicate that the noise management levels would be exceeded during and outside standard hours. Receivers located next to the works are likely to experience levels above the highly noise affected level of 75 dBA.

Construction traffic movements along local roads should be managed with a construction traffic management plan to limit the degree of road traffic noise impacts.

Vibration intensive plant and equipment may be used during construction of the road, noise wall and bridge. Construction equipment should be selected to comply with the vibration safe work buffer distances.

Heritage listed structures have been identified within the construction work areas. A building dilapidation survey would be carried out prior to starting vibration generating works near these structures.

Operational noise modelling was carried out for the existing, year opening and design year scenarios with and without the project operating ('build' and 'no build'). A noise wall similar to the existing, would be constructed along Broomfield Street.

The predicted 'no build' and 'build' design year noise levels indicate that architectural treatments would need to be considered at one sensitive receiver. During detailed design phase, it is recommended that a site visit should be undertaken to determine specific architectural treatments.

Specific operational ground-bore noise and vibration mitigation strategies are not required for the project. A dilapidation survey will be undertaken during construction to assess the structural integrity of heritage bridges located in the study area.

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1. Introduction

1.1 Overview

Australian Rail Track Corporation (ARTC) proposes to construct and operate a passing loop for up to 1,300 metre length trains on the Southern Sydney Freight Line (SSFL) between Sydney Trains' Cabramatta and Warwick Farm stations. The Cabramatta Loop Project ('the project') would allow freight trains to pass and provide additional rail freight capacity along the SSFL.

The project is State significant infrastructure in accordance with Division 5.2 of the NSW *Environmental Planning and Assessment Act 1979* (EP&A Act). As State significant infrastructure, the project needs approval from the NSW Minister for Planning and Public Spaces.

This report has been prepared to accompany the environmental impact statement (EIS) to support the application for approval of the project, and address the environmental assessment requirements of the Secretary of the Department of Planning and Environment (the SEARs), issued on 17 May 2018.

1.2 The project

1.2.1 Location

The project is generally located within the existing rail corridor between the Hume Highway and Cabramatta Road East road overbridges in the suburbs of Warwick Farm and Cabramatta. In addition, the project includes works to Broomfield Street adjacent to the rail corridor in Cabramatta.

The rail corridor is owned by the NSW Government (RailCorp) and leased to ARTC.

The location of the project is shown on Figure 1-1.

1.2.2 Key features

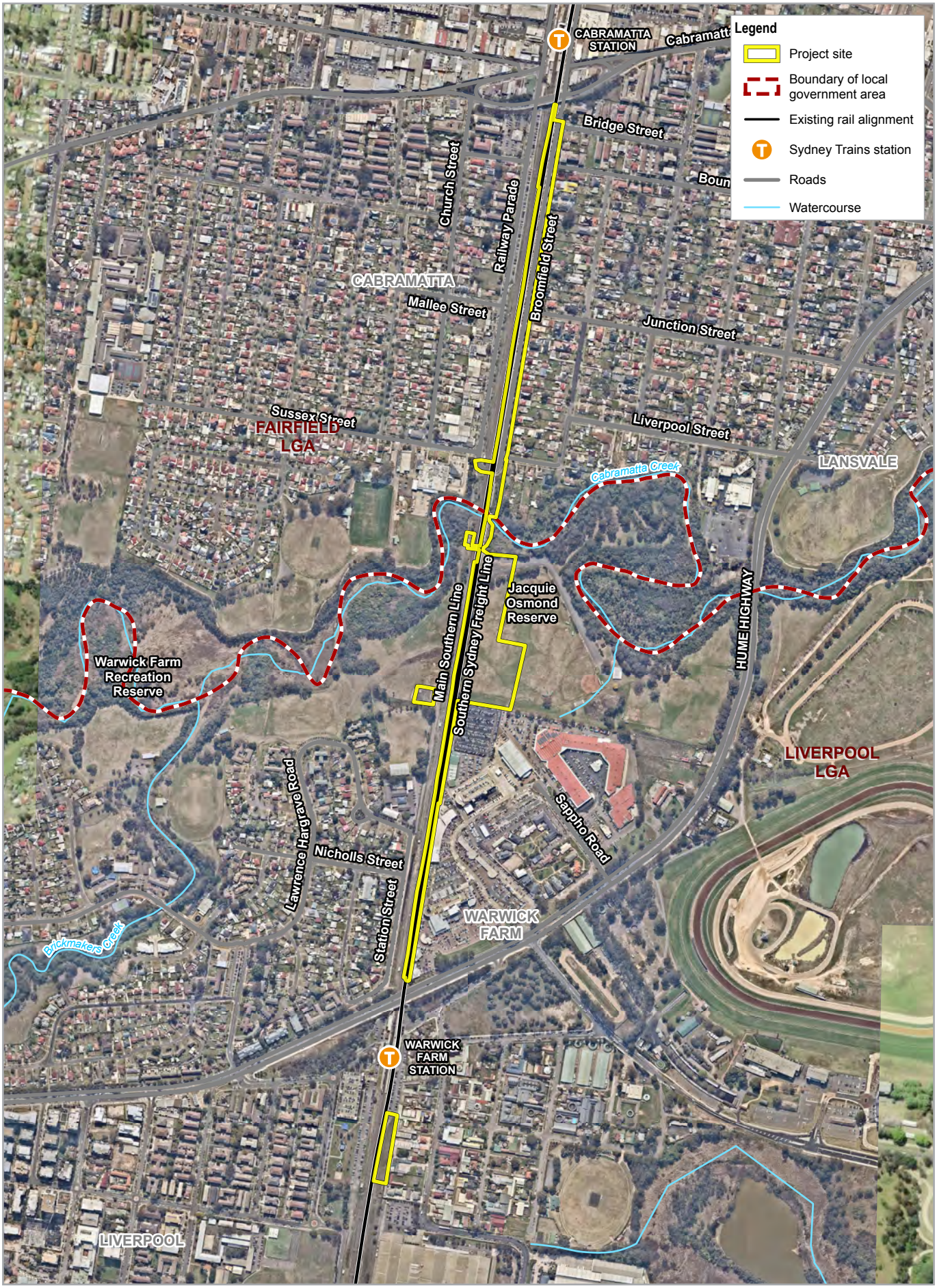
The key features of the project include the following:

- New rail track – providing a 1.65 kilometre long section of new track with connections to the existing track at the northern and southern ends.
- Track realignment – moving about 550 metres of existing track sideways (slewing) to make room for the new track.
- Bridge works – constructing two new bridge structures adjacent to the existing rail bridges over Sussex Street and Cabramatta Creek.
- Road works – reconfiguring Broomfield Street for a distance of about 680 metres between Sussex and Bridge streets.

Ancillary work would include communication upgrades, works to existing retaining and noise walls, drainage work and protecting/relocating utilities. In addition, minor works in the form of new signalling would be installed at a number of locations within the rail corridor (indicative locations provided in the EIS).

The key features of the project are shown on Figure 1-2.

Further information on the project is provided in the EIS.



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Map Projection: Transverse Mercator
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Grid: AGD 1966 ISG 56 1

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GHD

ARTC
Cabramatta Rail Loop
Biodiversity Assessment Report

Project No. **22-19800**
Revision No. **0**
Date **17/04/2019**

Site map

FIGURE 1.1

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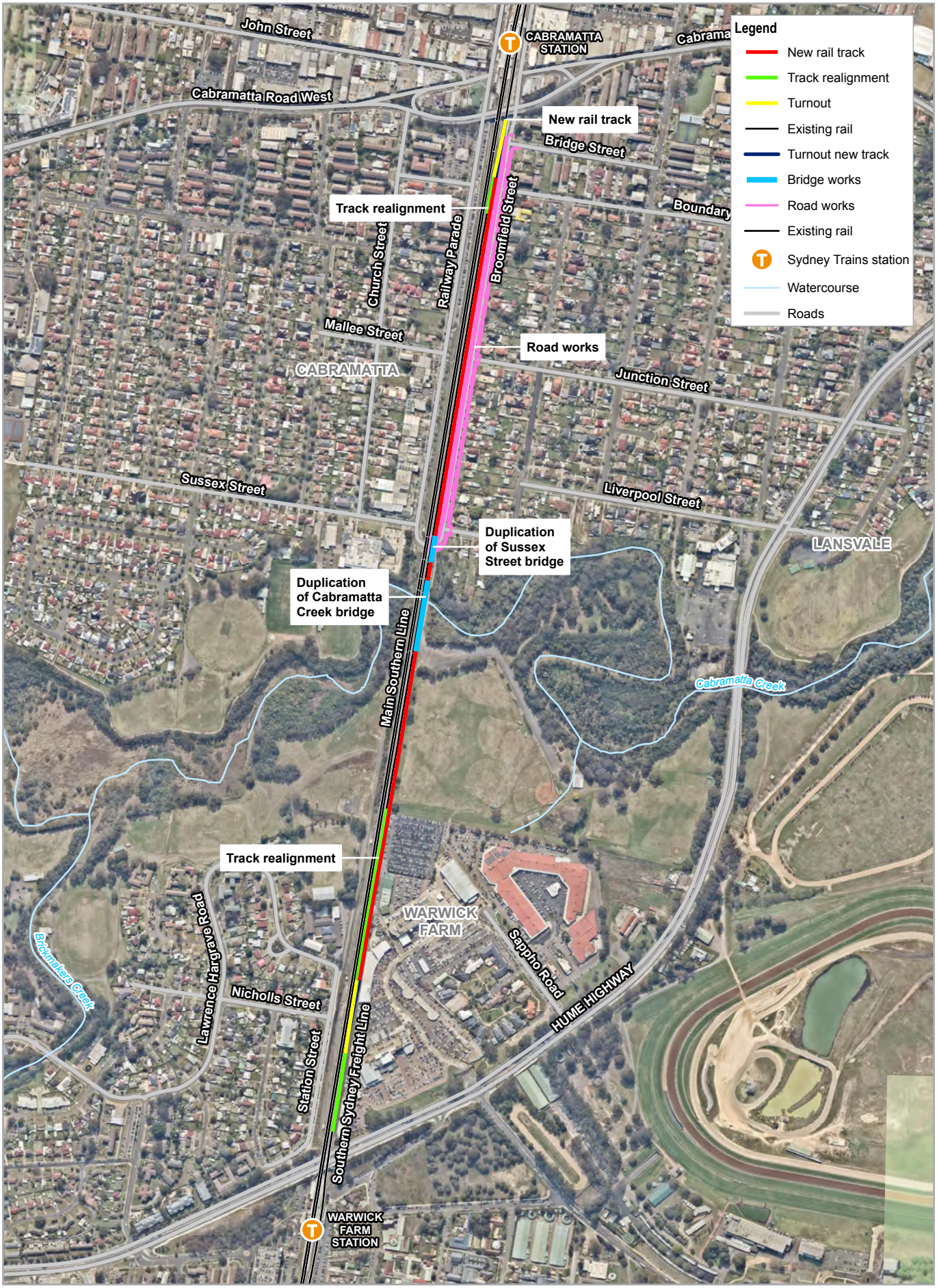
Print date: 17 Apr 2019 - 15:17

Data source: NearMap: Imagery, 2018. LPI:DCDB/DTDB, 2017LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 Created by: tmorton



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Kilometres

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

ARTC
Cabramatta Rail Loop
Biodiversity Assessment Report

Project No. **22-19800**
Revision No. **0**
Date **17/04/2019**

Key features

FIGURE 1.2

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\2219800_BAR007_KeyFeatures_0
Print date: 17 Apr 2019 - 15:16

Data source: NearMap: Imagery, 2018. LPI:DCDB/DTDB, 2017LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 Created by: tmorton

1.2.3 Timing

Subject to approval of the project, construction is planned to start in early 2021, and is expected to take about two years. Construction is expected to be completed in early 2023.

It is anticipated that most of the project would be constructed while the existing rail line continues to operate. Other features of the project would need to be constructed during programmed weekend rail possession periods when rail services along the line cease to operate. Possession periods typically occur for 48 hours four times per year.

Furthermore, some construction works may be scheduled outside of standard construction hours to manage impacts to existing road and rail infrastructure in the area. An indicative time for works to take place is included in Table 4-1.

1.2.4 Operation

The project would operate as part of the SSFL and would continue to be managed by ARTC. ARTC is not responsible for the operation of rolling stock. Train services are currently, and would continue to be, provided by a variety of operators.

Following the completion of works, the existing functionality of Broomfield Street would be restored, with one travel lane in each direction, kerb-side parking on both sides and a shared path on the western side of the street.

1.3 Purpose and scope of this report

The purpose of this report is to assess the potential noise and vibration impacts from the operation and construction of the project. This noise and vibration assessment addresses the relevant SEARs and agency requirements for the EIS as outlined in Table 1-1 and Table 1-2.

The report:

- Describes the existing ambient noise environment.
- Describes the relevant applicable operational and construction noise and vibration criteria.
- Assesses the impacts of constructing and operating the project on sensitive receivers.
- Recommends measures to mitigate the impacts identified.

The SEARs key issues, performance outcomes and referenced guidelines for the project are summarised in Table 1-1. The agency comments are summarised in Table 1-2.

Table 1-1 SEARs relevant to this assessment

Environmental Assessment Requirements	Where addressed in this report
Assessment of Key Issues	
1. For each key issues the Proponent must:	
(a) describe the biophysical and socio-economic environment, as far as it is relevant to that issue	Section 2
(b) describe the legislative and policy context, as far as it is relevant to the issue	Relevant guidelines are referenced where used throughout the report and listed in section 8
(c) identify, describe and quantify (if possible) the impacts associated with the issue, including the likelihood and consequence (including worst case scenario) of the impact (comprehensive risk assessment), and the cumulative impacts	Section 4 & 5
(d) demonstrate how potential impacts have been avoided (through design, or construction or operation methodologies);	Refer to the EIS
(e) detail how likely impacts that have not been avoided through design will be minimised, and the predicted effectiveness of these measures (against performance criteria where relevant)	Section 6
Key Issue and Desired Performance Outcome: Noise and Vibration–Amenity	
Construction noise and vibration (including airborne noise, ground-borne noise and blasting) are effectively managed to minimise adverse impacts on acoustic amenity. Increases in noise emissions and vibration affecting nearby properties and other sensitive receivers during operation of the project are effectively managed to protect the amenity and wellbeing of the community. ***Requirement*** 1. The Proponent must assess construction and operational noise and vibration impacts in accordance with relevant NSW noise and vibration guidelines. The assessment must cover typical realistic construction and operation activities (such as bringing trains to idle or holding trains in the loop). The assessment must include consideration of: (a) impacts to sensitive receivers including small businesses (b) noise impacts from the removal of the existing noise walls and construction of any new noise walls (permanent or temporary) during construction, including the consideration of implementing permanent noise walls prior to the removal of the existing noise walls (c) noise impacts of out-of-hours works including proposed activities, justification for these activities, estimation of the number of out-of-hours activities required and timeframes for these activities (d) sleep disturbance (e) the characteristics of noise and vibration, as relevant (for example, low frequency noise) 2. The Proponent must demonstrate that blast impacts are capable of complying with the current guidelines, if blasting is required.	Section 4 Section 5
Current guidelines • Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration (ANZECC, 1990) • Assessing Vibration: a Technical Guideline (DEC, 2006) • Interim Construction Noise Guideline (DECCW, 2009) • NSW Industrial Noise Policy (EPA, 2000) • Construction Noise Strategy (TfNSW, 2012)	Relevant guidelines are referenced where used throughout the report and listed in section 8

Environmental Assessment Requirements	Where addressed in this report
• Rail Infrastructure Noise Guideline (EPA, 2013) • NSW Road Noise Policy (DECCW, 2011) • Environmental Noise Management Manual (RMS, 2001) • Development Near Rail Corridors and Busy Roads – Interim guideline (DoP, 2008) • Noise Mitigation Guideline (RMS, 2015) • Noise Criteria Guideline (RMS, 2015) • NSW Sustainable Design Guidelines Version 3.0 (TfNSW, 2013)	
Key Issue and Desired Performance Outcome: Noise and Vibration–Structural	
Construction noise and vibration (including airborne noise, ground-borne noise and blasting) are effectively managed to minimise adverse impacts on the structural integrity of buildings and items including Aboriginal places and environmental heritage. Increases in noise emissions and vibration affected environmental heritage as defined in the *Heritage Act 1977* during operation of the project are effectively managed. ***Requirement*** 1. The Proponent must assess construction and operation noise and vibration impacts in accordance with relevant NSW noise and vibration guidelines. The assessment must include consideration of impacts to the structural integrity and heritage significance of items (including Aboriginal places and items of environmental heritage). 2. The Proponent must demonstrate that blast impacts are capable of complying with the current guidelines, if blasting is required.	Section 3.1 Section 3.4
Current guidelines *German Standard DIN 4150-3: Structural Vibration – effects of vibration on structures*	Section 3.3

Table 1-2 Agency comments relevant to this assessment

Agency	Requirement	Where addressed in this report
NSW EPA	Noise and vibration impacts should be assessment in accordance with the ICNG and RING and EPA's requirements (as outlined in the EPA letter)	Section 4 Section 5
NSW EPA	The assessment should clearly state what type of rail infrastructure development the project constitutes under the RING	Section 3.2
NSW EPA	The assessment must provide clear justification for construction activities to be conducted outside the recommended standard hours in Section 2.2 of the ICNG, and assess these impacts	Section 4
NSW EPA	Approval to work outside of the recommended standard hours may be required from the EPA	-
Transport for NSW	Detailed acoustic assessment, including noise impacts of holding an Up freighter in the new loop	This report

1.4 Structure of this report

The structure of the report is outlined below:

- Section 1 – provides an introduction to the report.
- Section 2 – describes the study area, sensitive receivers, existing rail infrastructure and operations and existing ambient noise environment.
- Section 3 – details the relevant noise and vibration criteria.
- Section 4 – describes the construction noise and vibration impact assessment.
- Section 5 – describes the operational rail noise and vibration impact assessment.
- Section 6 – describes the recommended mitigation and management measures for the project.
- Section 7 – the report conclusion summarising key outcomes from the report
- Section 8 – the references used in the preparation of this report.

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2. Existing environment

2.1 Study area

The area surrounding the project is primarily suburban, with residential and commercial land uses located directly next to the existing rail and road corridors.

The study area for the operational rail noise and vibration assessment has been defined as a one kilometre buffer either side of the rail corridor between the stations of Warwick Farm and Cabramatta, in accordance with the *ARTC Noise Prediction and Mitigation Guideline* (ARTC, 2018). The operational study area is bounded at each end by the extent of the works within the rail corridor.

The study area for the construction noise and vibration assessment has been defined as a one kilometre buffer from the project boundary in all directions. The construction assessment study area extends slightly to the north of Cabramatta Station and south of Warwick Farm Station.

The operational and construction noise and vibration study areas are shown on Figure 2-1.

The study areas have been further sub-divided into noise catchment areas (NCAs). The noise catchment areas have been created based on the ambient noise characteristics with respect to the major road and rail corridors in the study area. The following NCAs were created:

- NCA01: The area to the north of Jacquie Osmond Reserve and west of the rail corridor. The area comprises of commercial and residential land uses. Rail noise, road traffic noise from Railway Parade and noise from commercial premises along Railway Parade dominate the noise environment in NCA01.
- NCA02: The area to the north of Jacquie Osmond Reserve and east of the rail corridor. The area comprises of residential land uses. Road traffic noise from Broomfield Street and local roads in the area dominate the noise environment. An existing noise wall along Broomfield Street shields the catchment from rail noise.
- NCA03: The area to the south of Jacquie Osmond Reserve and west of the rail corridor. The area comprises of primarily residential land uses. Rail noise and traffic along local roads dominate the noise environment in NCA03.
- NCA04: The area to the south of Jacquie Osmond Reserve and east of the rail corridor. The area comprises of primarily commercial land uses. Rail noise and noise from commercial premises dominate the noise environment in NCA04.

The noise catchment areas are shown on Figure 2-1.

2.2 Sensitive receivers

Noise and vibration sensitive receivers (NVSRs) are defined by the type of occupancy within the structure and the activities performed within the property boundary. NVSRs could include the following:

- residences (including multi-floor dwellings): Each floor of a multi-floor dwelling is considered to be a separate sensitive receiver as each floor could have separate property owners and/or land uses (e.g. commercial ground floor and residential first floor)
- educational institutes (such as schools and universities eg Lawrence Hargrave School)
- hospitals and medical facilities
- places of worship

- commercial or industrial premises eg Peter Warren Automotive
- passive recreational areas
- active recreational areas such as sporting fields, golf courses. Note that recreational areas are only considered sensitive when they are in use or occupied.

For the construction noise and vibration assessment (Section 4), 3604 residential receivers and 283 non-residential receivers have been identified within the construction assessment study area.

For the operational noise and vibration assessment (Section 5), 3321 residential receivers and 283 non-residential receivers have been identified within the operational assessment study area.

All receivers are individually identified in Appendix A and shown in Appendix B. All medical, educational and place of worship sensitive receivers are also summarised in Table 2-1.

In addition to the existing sensitive receivers, a search of the NSW Government major projects online database and the Fairfield and Liverpool council online planning databases was undertaken to identify if any determined projects within 100 metres of the project site would alter the type or sensitivity of existing receivers (i.e. change from a commercial premises into residential). No projects were identified that would require additional consideration.

Table 2-1 Medical, educational and place of worship sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0218	42 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0232	26 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0253	20 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0257	16 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0277	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0281	45 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0287	41 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0291	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0302	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0312	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0322	17 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0329	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0340	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0351	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0357	17 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0363	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0439	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03

Receiver ID	Address	Receiver Type	NCA
R0454	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0469	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0494	27 FORBES STREET LIVERPOOL	Place of worship	NCA03
R0516	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0607	136 JOHN STREET CABRAMATTA	Place of worship	NCA01
R0618	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0619	13 LACHLAN STREET WARWICK FARM	Medical facility	NCA03
R0621	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0623	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0639	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0641	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0679	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0692	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0736	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0744	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0767	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0776	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0785	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0806	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0810	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0818	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0842	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0852	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0866	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0888	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0892	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0913	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0970	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R0975	54 HUGHES STREET CABRAMATTA	Medical facility	NCA01
R0989	LIVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOOL	Medical facility	NCA03
R1025	120 JOHN STREET CABRAMATTA	Medical facility	NCA01
R1037	18 FORBES STREET LIVERPOOL	Medical facility	NCA03

Receiver ID	Address	Receiver Type	NCA
R1086	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R1087	18 FORBES STREET LIVERPOOL	Medical facility	NCA03
R1099	18 FORBES STREET LIVERPOOL	Medical facility	NCA03
R1245	119A JOHN STREET CABRAMATTA	Medical facility	NCA01
R1348	117 JOHN STREET CABRAMATTA	Medical facility	NCA01
R1476	42 HILL STREET CABRAMATTA	Medical facility	NCA01
R1641	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1649	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1673	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1683	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1705	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1739	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1919	PARK ROAD CABRAMATTA	Educational institute	NCA01
R1952	39 PARK ROAD CABRAMATTA	Place of worship	NCA01
R2030	7 MCBURNEY ROAD CABRAMATTA	Place of worship	NCA01
R2035	PARK ROAD CABRAMATTA	Place of worship	NCA01
R2250	1 BARTLEY STREET CANLEY VALE	Place of worship	NCA01
R2368	70 BROOMFIELD STREET CABRAMATTA	Place of worship	NCA02
R2696	60 CUMBERLAND STREET CABRAMATTA	Educational institute	NCA02
R2706	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2724	60 CUMBERLAND STREET CABRAMATTA	Educational institute	NCA02
R2751	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2753	42 CUMBERLAND STREET CABRAMATTA	Place of worship	NCA02
R2789	65 CURTIN STREET CABRAMATTA	Place of worship	NCA02
R2791	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2800	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2810	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2814	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2822	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2824	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2831	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2832	9 NIANGALA STREET COOMA	Educational institute	NCA02
R2862	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2895	79 CABRAMATTA ROAD CABRAMATTA	Place of worship	NCA02

2.3 Existing rail operations

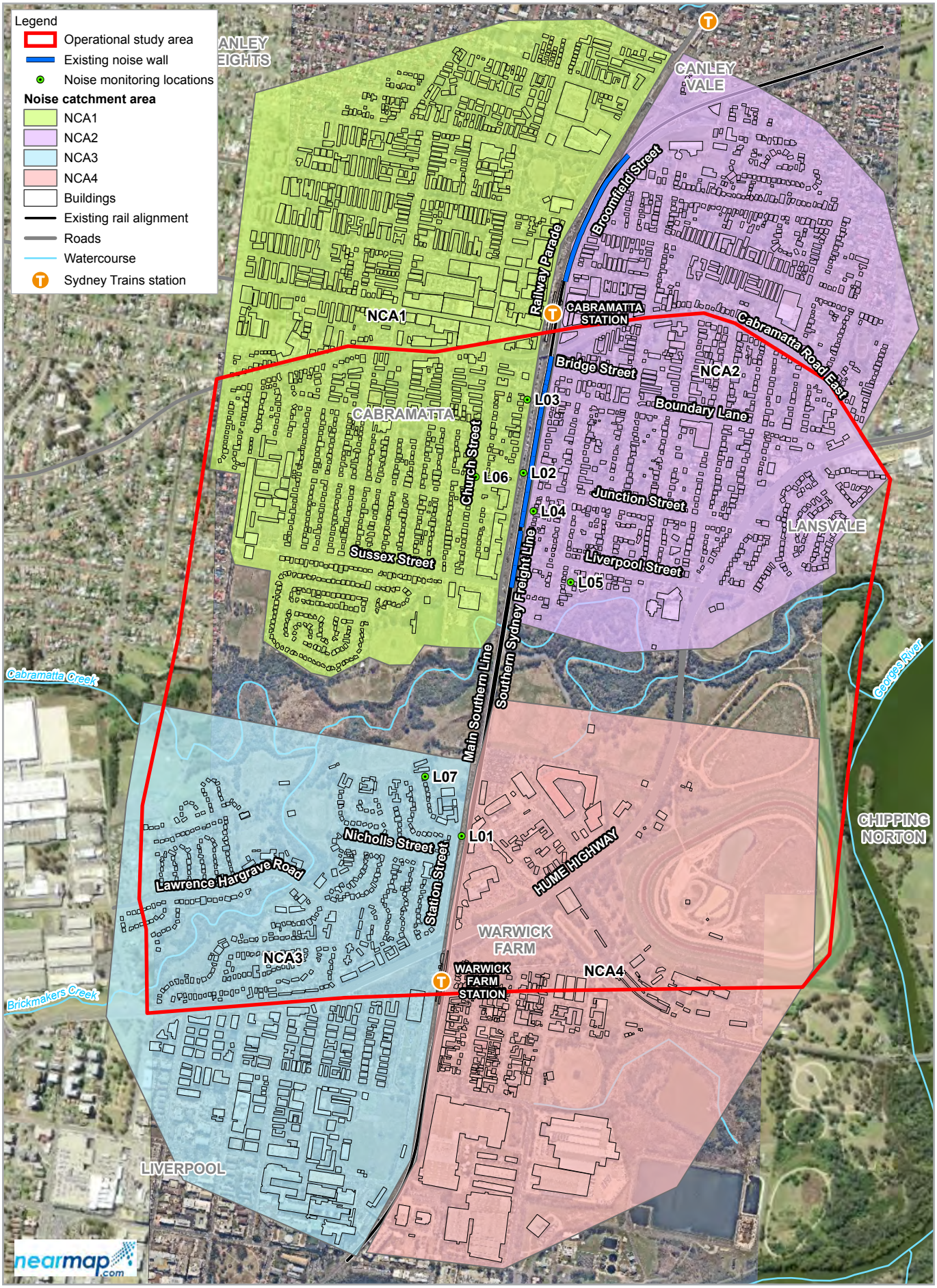
Existing rail operations in the study area include the following:

- Passenger rail operations for the Sydney South Metropolitan Network on the Sydney Trains up and down main lines. The maximum posted passenger train speeds are 80 kilometres per hour (up) and 100 kilometres per hour (down). Train speeds on the up track have been assumed based on the speed board south of Cabramatta Station as this is considered representative of the Warwick Farm to Cabramatta section of the track.
- Freight rail operations on the Sydney Trains up and down main lines. These freight services share the network with the passenger trains. The maximum posted freight train speeds are 70 kilometres per hour (up) and 80 kilometres per hour (down). Train speeds on the up track have been assumed based on the speed board south of Cabramatta Station as this is considered representative of the Warwick Farm to Cabramatta section of the track.
- ARTC bi-directional freight rail operations on the SSFL. The maximum posted speed on the SSFL is 80 kilometres per hour.

2.4 Existing noise wall

An existing noise wall exists along Broomfield Street as shown on Figure 2-1 and would be replaced as part of the project. The existing wall was designed as a part of the original SSFL environmental assessment (*Southern Sydney Freight Line Environmental Assessment*, Parsons Brinckerhoff 2006).

The existing wall height (from top of rail) varies between a minimum of 3.4 metres (CH32237 to CH32380) to a maximum of 5.5 metres (at CH32150). This suggests that the effective minimum height of the wall (from top of rail) is 3.4 metres and the average height of the wall is 3.7 metres. These heights have been calculated from the supplied 559D-SW1500 As-built drawings (Aurecon, 2013) for the existing noise wall.



Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Study area, noise monitoring locations and noise sensitive receivers

Project No. **22-19800**
Revision No. **0**
Date **17/04/2019**

Figure 2-1

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\2219800_NVIA003_Study_Area_Noise_Sensitive_Receivers_0
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Data source: LPI: DTDB\DCDB, 2017. DPE: Land zoning, 2016.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

2.5 Baseline monitoring

Existing ambient and background noise monitoring was undertaken at seven locations in the study area between 12 October 2018 and 1 November 2018. A minimum of two weeks of monitoring was carried out at each location.

The objectives of the monitoring were to quantify:

- The existing railway and background noise levels at five locations (two within the rail corridor and three at residential receivers). These locations were used for noise model validation.
- The existing background noise levels (only) at an additional two locations set back from the rail corridor.

Baseline logger location considerations included land topography, distance from rail activities and contribution from other noise activities, such as road noise. The logger locations were considered representative of the existing background and ambient noise environment in the study area.

The noise loggers accumulated L_{AN}, L_{Aeq} and L_{Amax} noise descriptors continuously over sampling periods of 15 minutes for the entire monitoring period.

Prior to deployment, a calibration check was performed on the noise monitoring equipment using a SV 30 sound level calibrator (serial number 29030). At completion of the measurements, the equipment was re-checked to ensure the sensitivity of the noise monitoring equipment had not varied. The noise loggers were found to be within the acceptable tolerance of ± 0.5 dB(A).

The data collected by the loggers was downloaded and analysed, and any invalid data removed. Invalid data generally refers to periods where average wind speeds were greater than five metres per second, or when rainfall occurred in accordance with the *Noise Policy for Industry* (NPI) (EPA, 2017). Concurrent half-hourly weather data was sourced from the Bureau of Meteorology's Bankstown Airport automatic weather station (AWS) to identify any periods of weather, which may have affected the monitoring results. The Bankstown Airport AWS is located about five kilometres east of the project area.

All sampling activities were carried out with consideration to the specifications outlined in AS 1055 (1997) *Acoustics–Description and Measurement of Environmental Noise* and the NPI. Appendix C provides details of the noise loggers utilised for unattended monitoring.

2.5.1 Summary of baseline noise monitoring

A summary of the baseline noise monitoring, including a description of the ambient noise environment at each location is provided in Table 2-2. Detailed noise monitoring tables and charts are provided in Appendix C.

Background noise levels at residential locations L04 to L07 are consistent and within 2 dB across the day (37 to 39 dBA), evening (37 to 39 dBA) and night (30 to 32 dBA) time periods. As per Australian Standard *AS 1055*, these background noise levels are typical of a suburban environment with negligible transportation. Intermittent noise events such as rail passbys do not contribute significantly to the background noise levels.

Background noise levels at L03 (225 Railway Parade) are slightly higher during the day and evening time periods due to higher road traffic noise levels. The noise levels are typical of a suburban area with low density transportation.

Table 2-2 Summary of baseline noise monitoring

Location	NCA	Address	Free-field or façade?	Rating background level (RBL) 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$					Ambient noise observations
				Day	Evening	Night	Day	Evening	Night	Day (15 hour)	Night (9 hour)	
L01[2]	-	In rail corridor (North of Warwick Farm Station)	Free field	-	-	-	65	64	63	65	63	Rail noise dominant
L02[2]	-	In rail corridor (South of Cabramatta Station)	Free field	43	41	33	68	68	66	68	66	Rail noise dominant
L03	01	225 Railway Parade, Cabramatta	Free field	45	44	33	61	61	59	61	59	Rail noise dominant, road traffic noise along Railway Parade
L04	02	150 Broomfield Street, Cabramatta	Façade	39	38	31	56	56	52	56	52	Rail noise dominant, road traffic noise along Broomfield Street, construction works at residence along Broomfield street
L05	02	46a National Street, Cabramatta	Free field	38	37	31	53	48	46	51	46	Rail noise faintly audible, road traffic noise along National Street
L06	01	41 Church Street, Cabramatta	Free field	38	39	30	55	53	50	54	50	Road traffic noise along Church Street, rail passbys in background
L07	03	25 Lawrence Hargrave Road, Warwick Farm	Free field	37	38	32	52	50	47	50	47	Rail noise dominant, car passbys and bird noise

Note 1: For the rating background and ambient noise levels, the periods are defined as per the *NPI* (EPA, 2017):

- Day: the period from 7.00 am to 6.00 pm Monday to Saturday or 8.00 am to 6.00 pm on Sundays and public holidays
- Evening: the period from 6.00 pm to 10.00 pm
- Night: the remaining periods.

For the 15 hour and nine hour noise levels, as per the *Rail Infrastructure Noise Guideline* (EPA, 2013), day refers to the 7.00 am to 10.00 pm time period while night refers to 10.00 pm to 7.00 am.

Note 2: The absolute rail noise contributions at L01 were calculated to be 64 dB(A) $L_{Aeq(15\ hour)}$ and 63 dB(A) $L_{Aeq(9\ hour)}$. The absolute rail noise contributions at L02 were calculated to be 68 dB(A) $L_{Aeq(15\ hour)}$ and 66 dB(A) $L_{Aeq(9\ hour)}$.The absolute rail noise contributions were calculated from a detailed analysis of passby data and do not include non-rail noise sources.

2.5.2 Effects of long term noise exposure

The RING states that *"several studies have shown that excessive noise from transport modes can lead to sleep disturbance and other health impacts, not just annoyance"* and that *"longer-term effects on health are more difficult to quantify, although links have been confirmed between noise exposure and health impacts."*

The World Health Organisation (WHO) *Night noise guidelines for Europe* (WHO, 2009) concluded that there is sufficient evidence for *"biological effects of noise during sleep: increase in heart rate, arousals, sleep stage changes and awakening"* and *"that night noise exposure causes self-reported sleep disturbance, increase in medicine use, increase body movements and (environmental) insomnia"* and *"leads to further consequences for health and well-being"*.

Based on these conclusions, the WHO recommends an interim target of 55 dBA $L_{Aeq,\ night\ (outside)}$. However, this is measured over an eight hour night time period and for a duration of one year. Therefore, the results presented in Table 2-2 cannot be directly compared with the WHO interim target. However, it is noted that the night time $L_{Aeq(9\ hour)}$ noise levels over the measurement duration are generally below 55 dBA at all locations except L03 (which is slightly higher at 59 dBA $L_{Aeq(9\ hour)}$).

Roosli et al. (2017) undertook research on the short and long term effects of transportation noise exposure in Sweden. Rail, road and air traffic noise exposure modelling was undertaken for over 54 million façade points of 1.8 million residential dwellings. Average day and night time L_{Aeq} noise levels were modelled for the day and night time periods. These periods were 16 hour (day) and 8 hour (night) which are similar to the 15 hour (day) and 9 hour (night) time periods used in New South Wales.

The modelled noise levels were correlated with a population survey centered around annoyance, self-reported sleep disturbances and coping responses due to transportation noise. The intermittency ratio was used to quantify the long term health effects of noise.

Roosli et al. used the intermittency ratio to quantify health impacts. The intermittency ratio is defined as the total event-based sound pressure level (e.g. from railway noise) compared with the overall ambient sound pressure level. High night time period intermittency ratios correlated with higher arterial stiffness (and potential for cardiovascular disease). Roosli et al. concluded that *"either continous noise or highly intermittent noise with long quiet periods between noise events is less problematic than mid-range intermittency"* and that *"the diurnal pattern of noise exposure is also relevant for cardiovascular mortality"*.

A comprehensive review of the effects of environmental noise on sleep was undertaken by Basner and McGuire in 2018. Fragmentation of sleep was linked to short-term and long-term health impacts. This is shown below in Figure 2-2, with the dashed lines showing potential hypothetical pathways to long-term health effects.

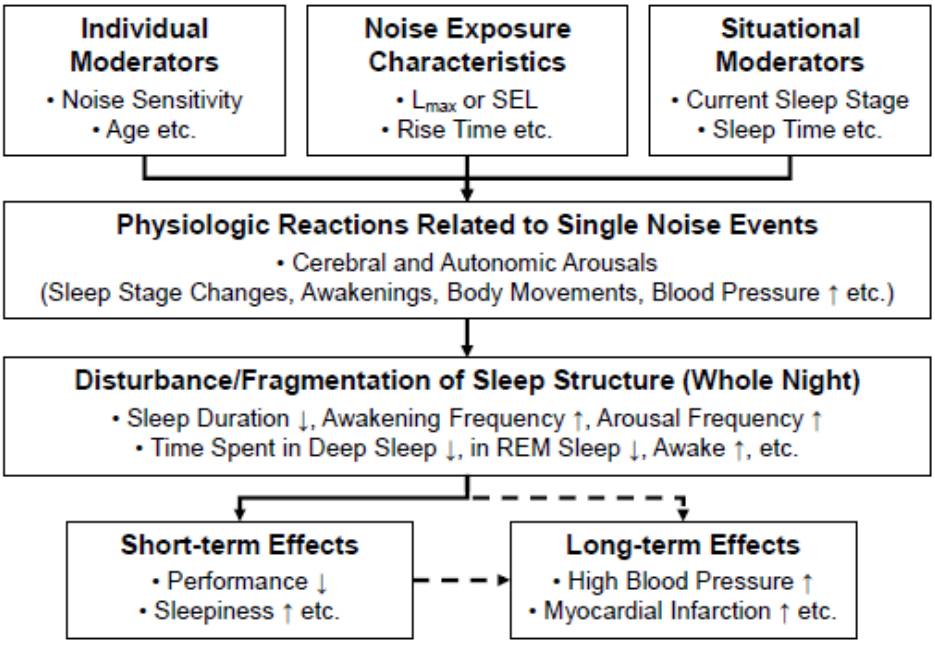

Figure 2-2 Effects of noise on sleep (Figure 1 from Basner and McGuire, 2018)

Based on a review of a number of studies, Basner and McGuire concluded that:

- there was moderate evidence of dose-response between railway noise and cortical awakenings in adults, measured using $L_{AS,max}$
- there was moderate evidence of dose-response between railway noise and self-reported sleep disturbance in adults, measured using $L_{Aeq(9\ hour)}$.

Furthermore, Basner and McGuire derived the following formulas to calculate the percentage of highly sleep disturbed based on $L_{Aeq,9\ hour}$ night time noise levels:

- Difficulty falling asleep:

  $44.4836 – 2.1324* L_{Aeq(9\ hour)} + 0.0273 (L_{Aeq(9\ hour)})^2$

- Awakenings:

  $38.5819 – 1.8376* L_{Aeq(9\ hour)} + 0.0234 (L_{Aeq(9\ hour)})^2$

Based on these formulas and the data gathered in the study area, the calculated sleep disturbance percentages for the residential logging locations are provided in Table 2-3.

Table 2-3 Percentage of highly sleep disturbed (Calculated based on Basner and McGuire, 2018)

Location	% (Difficulty falling asleep)	% (Awakenings)
L03	13.7	11.6
L04	7.4	6.3
L05	4.2	3.6
L06	6.1	5.2
L07	4.6	3.9

The percentages are generally lower than 10% at all locations except at L03, which is also influenced by road traffic noise.

Overall, the long term health impacts of rail (and transportation) noise continue to be a research topic. Health effects are generally linked to sleep disturbance which in turn causes short term impacts (such as drowsiness, fatigue, etc.) and potential long-term impacts.

Based on the data gathered at the residential logging locations and current guidance on long-term impacts, the probability of long-term impact is expected to be low due to:

- noise levels during the night time period being generally lower than 55 dBA
- the awakening percentages are generally lower than 10%.

It should also be noted that while noise levels in the future might potentially increase, the aims of the RING are to protect *"approximately 90 per cent of receivers from being highly annoyed by rail noise"*.

2.5.3 Baseline vibration monitoring

Attended and unattended vibration monitoring was also undertaken within and outside the rail corridor. The results of the monitoring indicated 4-5 mm/s peak vibration levels 6 metres from the railway tracks and levels between 0.1 mm/s and 0.3 mm/s at the residence (150 Broomfield Street, 31 metres from the SSFL). The vibration environment was dominated by road traffic noise and intermittent rail passbys.

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3. Noise and vibration criteria

The construction and operational noise and vibration criteria for the project are outlined in this section. The criteria are referenced to the relevant noise and vibration guidelines, as stipulated in the SEARs and agency requirements.

The predicted noise and vibration levels (refer to Section 4 and 5) are compared with the criteria outlined in this section. If the predicted construction and operational noise and vibration levels exceed the criteria, potential noise and vibration mitigation measures need to be considered.

3.1 Construction noise criteria

The *Interim Construction Noise Guideline* (ICNG) (DECC 2009) applies to the management of construction noise in NSW. The guideline provides recommendations on construction noise management levels (NMLs) and standard construction periods.

3.1.1 Construction hours

Construction NMLs for the project are based on the ICNG and the *Construction Noise and Vibration Strategy* (CNVS) (TfNSW, 2018).

The construction periods defined in the CNVS are provided in Table 3-1.

Table 3-1 Construction hours

Construction hours	Monday to Friday	Saturday	Sunday/Public holiday
Standard hours	7.00 am to 6.00 pm	8.00 am to 1.00 pm	No work
Out-of-hours work (OOHW) Period 1 (Day)	-	7.00 am to 8.00 am 1.00 pm to 6.00 pm	8.00 am to 6.00 pm
OOHW Period 1 (Evening)	6.00 pm to 10.00 pm	6.00 pm to 10.00 pm	-
OOHW Period 2	10.00 pm to 7.00 am	10.00 pm to 7.00 am	6.00 pm to 8.00 am

The standard hours for construction periods are not mandatory and the ICNG acknowledges that some activities can be carried out outside standard construction hours, assuming that all reasonable and feasible mitigation measures are implemented to minimise impacts on the surrounding sensitive land uses. These activities may include the following:

- the delivery of oversized plant or structures that police or other authorities determine are required for special arrangements to transport along public roads
- emergency work to avoid the loss of life or damage to property, or to prevent environmental harm
- works where a proponent demonstrates and justifies a need to operate outside the recommended standard construction hours
- works that maintain noise levels at sensitive receivers to below the NMLs outside of the recommended standard construction hours.

3.1.2 Construction noise management levels

Construction NMLs at sensitive residential receivers are provided in Table 3-2. Construction NMLs at non residential receivers are provided in Table 3-3.

The construction NMLs during recommended standard hours represent a noise level that, if exceeded, would require management measures including the following:

- reasonable and feasible work practices
- contact with residences to inform them of the nature of works to be carried out, the expected noise levels and durations and contact details.

The management measures aim to reduce noise impacts on the residential receivers; however, it may not be reasonable and feasible to reduce noise levels to below the noise affected management level.

The construction NMLs during recommended standard hours are not intended as a noise limit but rather a level where noise management is required. The construction NMLs outside of recommended standard hours would be considered as noise limits unless a private agreement has been negotiated with the affected residences.

Table 3-2 Construction NMLs (residential receivers)

Time of day	Management level $L_{Aeq(15min)}$	How to apply
Recommended standard hours: Monday to Friday 7.00 am to 6.00 pm. Saturday 8.00 am to 1.00 pm. No work on Sundays or public holidays.	Noise affected RBL plus 10 dBA	The noise affected level represents the point above which there may be some community reaction to noise. Where the predicted or measured $L_{Aeq(15min)}$ is greater than the noise affected level, the proponent should apply all feasible and reasonable work practices to meet the noise affected level. The proponent should also inform all potentially impacted residents of the nature of works to be carried out, the expected noise levels and duration, as well as contact details.
	Highly noise Affected 75 dBA	The highly noise affected level represents the point above which there may be strong community reaction to noise. Where noise is above this level, the relevant authority (consent, determining or regulatory) may require respite periods by restricting the hours that the very noisy activities can occur, taking into account: • times identified by the community when they are less sensitive to noise (such as before and after school for works near schools, or mid-morning or mid-afternoon for works near residences) • if the community is prepared to accept a longer period of construction in exchange for restrictions on construction times.
Outside recommended standard hours	Noise affected RBL plus 5 dBA	A strong justification would typically be required for works outside the recommended standard hours. The proponent should apply all feasible and reasonable work practices to meet the noise affected level. Where all feasible and reasonable practices have been applied and noise is more than 5 dBA above the noise affected level, the proponent should negotiate with the community.

Table 3-3 Construction NMLs (non residential receivers)

Receiver Type	Time of day	Management level, $L_{Aeq(15min)}$
Industrial	When in use	75 dBA (external)
Commercial		70 dBA (external)
Educational institutes		45 dBA (internal)
Hospital wards and operating theatres		45 dBA (internal)
Places of worship		45 dBA (internal)
Passive recreation areas		60 dBA (external)
Active recreation areas		65 dBA (external)

3.1.3 Modifying factor adjustments for annoying activities

The ICNG lists a number of activities that have proven to be particularly annoying to sensitive receptors, including the following:

- use of 'beeper' style reversing or movement alarms, particularly at night time
- use of power saws, such as used for cutting timber, rail lines, masonry, road pavement or steel work
- grinding metal, concrete or masonry
- rock drilling
- line drilling
- vibratory rolling
- rail tamping and regulating
- bitumen milling or profiling
- jackhammering, rock hammering or rock breaking
- impact piling.

These activities, if required, would be factored into the assessment by adding five dB to the predicted noise levels.

3.1.4 Sleep disturbance criteria during construction

The ICNG recommends that where construction works are planned to extend over two or more consecutive nights, the project should consider maximum noise levels and the extent and frequency of maximum noise level events exceeding the RBL. The potential for both sleep disturbance and awakenings should be considered in the assessment.

The NPI provides the latest Environmental Protection Authority (EPA) guidance for the assessment of sleep disturbance.

The NPI recommends an assessment of maximum noise levels which have the potential to cause sleep disturbance impacts. Sleep disturbance impacts could include awakenings or disturbance to sleep stages. The NPI recommends an initial screening test for maximum noise level events (such as material drop noise or reversing alarms associated with construction machinery), with the following screening levels:

- $L_{Aeq(15\ min)}$ 40 dBA or the prevailing RBL plus five dB, whichever is greater
- L_{AFmax} 52 dBA or the prevailing RBL plus 15 dB, whichever is greater.

A detailed maximum noise level assessment should be carried out if the screening test indicates there is a potential for sleep disturbance. The detailed assessment should cover the maximum noise level, the extent to which the maximum noise level exceeds the RBL, and the number of times this happens during the night time period. The detailed assessment should consider all feasible and reasonable noise mitigation measures with a goal of achieving the maximum noise screening levels.

3.1.5 Construction traffic

Construction traffic relates to light and heavy vehicle movements associated with travel to-and-from construction compounds, transporting construction materials and spoil along defined haulage routes as well as personnel travelling to and from construction sites.

Construction related traffic noise objectives are based on the *Road Noise Policy* (RNP) (DECCW, 2011). The RNP states that an increase of up to 2 dB represents a minor impact that is considered barely perceptible to the average person.

The RNP states that any increase in the total traffic noise level should be limited to 2 dB above the existing road traffic noise levels. This applies for existing residences and other sensitive land uses affected by additional traffic on existing roads generated by land use developments.

The RNP has been used to identify potential impacts as a result of noise produced by construction traffic. If road traffic noise increases due to construction works within 2 dBA of current levels, then the RNP objectives would be met and no specific mitigation measures required.

Where construction traffic increases the existing road traffic noise levels by more than 2 dBA, then further assessment against the road traffic noise criteria in Table 3-4 is required.

Table 3-4 Road traffic noise criteria, dBA

Type of development	Day 7.00 am to 10.00 pm	Night 10.00 pm to 7.00 am
Existing residence affected by additional traffic on arterial roads generated by land use developments	60 $L_{Aeq(15\ hour)}$	55 $L_{Aeq(9\ hour)}$
Existing residence affected by additional traffic on local roads generated by land use developments	55 $L_{Aeq(1\ hour)}$	50 $L_{Aeq(1\ hour)}$

3.1.6 Project construction noise criteria

A summary of the project construction NMLs for each identified sensitive receiver type is provided in Table 3-5 for residential receivers and Table 3-6 for non-residential receivers (within the study area). The NMLs have been calculated based on the rating background levels provided in Table 2-2 and the calculation procedure outlined in Table 3-2.

Table 3-5 Residential construction NMLs, dBA

NCA	Standard hours, $L_{Aeq,15min}$	OOHW Period 1, $L_{Aeq,15min}$		OOHW Period 2, $L_{Aeq,15min}$	Sleep disturbance, L_{AFmax}
		Day	Evening	Night	Night
NCA01	48	43	42	36	52
NCA02	48	43	43	35	52
NCA03	47	42	42	37	52
NCA04	47	42	42	37	52

Note : The time periods for Standard hours, OOHW Period 1 (Day), OOHW Period 1 (Evening) and OOHW Period 2 (Night) are defined in Table 3-1.

Table 3-6 Non-residential construction NMLs, dBA

Receiver Type	Time of day	Management level
Commercial	When in use	70 dBA (external)
Educational institutes		45 dBA (internal)
Hospital wards and operating theatres		45 dBA (internal)
Places of worship		45 dBA (internal)
Active recreation areas		65 dBA (external)

3.2 Operational noise criteria

3.2.1 Air-borne noise

Operational rail noise criteria are derived from the *Rail Infrastructure Noise Guideline* (RING) (EPA, 2013) and relate to noise generated from rail movements along existing and proposed rail lines within the study area.

The RING applies to both light and heavy rail infrastructure proposals and distinguishes between 'new' or 'redeveloped' heavy rail lines in terms of the applicable noise criteria.

Heavy rail and its associated rolling stock are considered rail infrastructure, which may be electrified or hauled by diesel locomotives, and which operates in dedicated rail corridors for either passenger and/or freight transportation.

A 'new' heavy rail line development is one where rail infrastructure is developed on land that is not currently an operational rail corridor and where more stringent noise criteria apply. According to the RING, a 'redevelopment' of a heavy rail line occurs where a rail infrastructure proposal is developed on land that is either:

- Located within an existing and operational corridor, where a rail line is or has been operational.
- Immediately next to an existing operational rail line which may result in widening of an existing corridor.

The works associated with the 'redevelopment' of an existing rail line would typically increase its capacity to carry rail traffic or alter the alignment through design changes. In such cases, the 'redevelopment of existing rail line' noise criteria apply.

The 'new' and 'redevelopment' rail noise trigger levels for residential land uses are provided in Table 3-7. The trigger levels are both in terms of the absolute L_{Aeq} and L_{Amax} rail noise contributions as well as the relative increase for the case of an existing rail line redevelopment. The increase in noise levels is assessed by considering the difference between the 'no build' (i.e. if the project did not proceed) and the 'build' options for both the year opening and design years (typically, 10 years after year opening) for the project.

Table 3-7 Airborne rail traffic noise trigger levels for residential land uses

Type of development	Noise trigger levels, dBA (external)	
	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
New rail line development	60 $L_{Aeq(15\ hour)}$ or 80 L_{AFmax}	55 $L_{Aeq(9\ hour)}$ or 80 L_{AFmax}
Redevelopment of existing rail line	Development increases existing $L_{Aeq(period)}$ rail noise levels by 2 dBA or more, or existing L_{Amax} rail noise levels by 3 dBA or more and predicted noise levels exceed	
	65 $L_{Aeq(15\ hour)}$ or 85 L_{AFmax}	60 $L_{Aeq(9\ hour)}$ or 85 L_{AFmax}

Source: *Rail Infrastructure Noise Guideline* (RING) (EPA, 2013).

In accordance with the RING, other non-residential sensitive land uses including hospitals, schools and outdoor recreational areas have their own specific noise trigger levels for heavy rail redevelopments that are applicable when the facility or space is in use. Noise trigger levels for these receivers are applicable as internal or external levels depending on the land use. For internal noise criteria, the acoustic performance of the building façade affects the transmission of noise into the premises. As construction materials and the façade acoustic performance of these buildings is unknown and may vary, a conservative 10 dBA reduction in noise between the external level and internal level has been assumed[1].

The RING criteria for non-residential land uses in the study area are shown in Table 3-8.

Table 3-8 Airborne rail traffic noise trigger levels for non-residential land uses

Sensitive land use	Noise trigger levels, dBA (when in use)	
	New rail line development	Redevelopment of existing rail line
	Resulting rail noise levels exceed	Development increases existing $L_{Aeq(period)}$ rail noise levels by 2 dBA or more and resulting rail noise levels exceed
Schools, educational institutions and child care centres	40 $L_{Aeq(1h)}$ Internal	45 $L_{Aeq(1h)}$ Internal
Places of worship	40 $L_{Aeq(1h)}$ Internal	45 $L_{Aeq(1h)}$ Internal
Hospital wards	35 $L_{Aeq(1h)}$ Internal	40 $L_{Aeq(1h)}$ Internal
Hospital – other uses	60 $L_{Aeq(1h)}$ External	65 $L_{Aeq(1h)}$ External
Open space – active use	65 $L_{Aeq(15h)}$ External	65 $L_{Aeq(15h)}$ External

Source: *Rail Infrastructure Noise Guideline* (RING) (EPA, 2013).

For this assessment, the project is considered a 'redevelopment of an existing heavy rail line' as the passing loop would be constructed on land within an existing operational rail corridor. As such, the 'redevelopment of existing rail line' criteria listed in Table 3-7 apply to this assessment for the total rail noise levels from both the existing (Sydney Trains and SSFL) lines and the project.

In the event the predicted noise levels exceed the criteria listed in Table 3-7 and Table 3-8, an investigation of potential reasonable and feasible noise mitigation measures needs to be undertaken. The mitigation measures should aim to reduce the noise down towards the relevant absolute trigger levels (refer to section 6).

3.2.2 Ground-borne noise

Ground-borne noise is defined in ISO 14837 Mechanical vibration – ground-borne noise and vibration arising from rail systems as noise generated inside a building by ground-borne vibration generated from the pass-by of a vehicle on rail. Operational ground-borne noise is assessed in accordance with the RING. The ground-borne noise trigger levels are provided in Table 3-9. For an existing railway the ground borne noise levels would need to increase by 3 dBA or more for the trigger levels to be exceeded. Ground-borne noise is assessed internally at the centre of the most affected habitable room.

Ground-borne noise level values are relevant only where they are higher than the airborne noise from railways and where the ground-borne noise levels are expected to be, or are, audible

[1] See RING - Technical notes to tables 1,2 and 3 – Technical note 6. Allows that a window may be opened to provide adequate ventilation.

within habitable rooms. For an existing heavy rail corridor airborne noise is expected to be the dominant noise source from the project and significantly higher than any ground-borne noise contributions. However, a situation can occur for surface rail where airborne noise is mitigated with at-residence treatments, which does not mitigate ground-borne noise.

Table 3-9 Ground-borne noise trigger levels

Sensitive land use	Time of day	Internal noise trigger levels, dBA
	Development increase existing rail noise by 3 dBA or more ***and*** resulting rail noise level exceeds:	
Residential	Day (7am-10pm)	40 L_{ASmax}
	Night (10pm-7am)	35 L_{ASmax}
Schools, educational institutes, places of worship	When in use	40–45 L_{ASmax}

3.3 Vibration criteria (Construction and operational)

The effects of vibration in buildings can be divided into three main categories:

- human comfort impacts
- structural impacts (effects on building contents and structural integrity)
- utility impacts (buried pipework and services).

A description of each category and the vibration criteria for the above are discussed in the following sections.

The construction equipment and activities which may generate vibration are outlined in section 4.7 and the operational acitivities which may generate vibration are outlined in section 5.5.

3.3.1 Human comfort

Construction vibration can adversely affect the amenity of occupants inside buildings as it may affect their quality of life or working efficiency. Human comfort impacts are experienced at levels well below those that can damage of affect a structure and its contents.

Acceptable vibration levels for human comfort have been set with consideration to *Assessing Vibration: a technical guideline* (DEC, 2006) which is based on the guidelines contained in British Standard *BS 6472 – 1992, Guide to Evaluation of Human Exposure to Vibration in Buildings (1 hertz (Hz) to 80 Hz)*. *BS 6472-1:2008* superseded this British Standard in 2008. Although a new version of *BS 6472* has been published, the relevant guideline, the *Assessing Vibration: A Technical Guideline* (AVTG) (DEC, 2006), still references the 1992 version of this standard and the EPA still advises vibration to be assessed in accordance with this version of the standard.

Construction and operational rail activities typically generate ground vibration of an intermittent nature, which is assessed using the vibration dose value. Acceptable values of vibration dose are presented in Table 3-10 for sensitive receivers.

Table 3-10 Human comfort intermittent vibration limits

Receiver type	Period	Intermittent vibration dose value ($m/s^{1.75}$)	
		Preferred value	Maximum value
Residential	Day (7.00 am and 10.00 pm)	0.2	0.4
	Night (10.00 pm and 7.00 am)	0.13	0.26
Offices, schools, educational institutes and places of worship	When in use	0.4	0.8
Workshops	When in use	0.8	1.6

While the assessment of response to vibration in *BS 6472:1992* is based on vibration dose value (refer to Table 3-10) and weighted acceleration, for construction related vibration, it is considered more appropriate to provide guidance in terms of a peak value. This parameter is likely to be routinely measured based on the more usual concern over potential building damage.

Therefore, the peak values recommended by the British Standard, *BS 5228.2 – 2009, Code of Practice Part 2 Vibration for noise and vibration on construction and open sites – Part 2: Vibration* have been adopted for the construction human comfort vibration assessment and are reproduced below in Table 3-11. The degree of human perception associated with each peak vibration level is also provided, noting that humans are capable of detecting vibration at levels which are well below those causing risk of damage to a building.

Table 3-11 Guidance on effects of peak vibration levels for human comfort

Peak vibration level	Effect
0.14 mm/s	Vibration might be just perceptible in the most sensitive situations for most vibration frequencies associated with construction.
0.3 mm/s	Vibration might be just perceptible in residential environments.
1.0 mm/s	It is likely that vibration at this level in residential environments will cause complaints, but can be tolerated if warning and explanation has been given to residents.
10 mm/s	Vibration is likely to be intolerable for any more than a very brief exposure.

3.3.2 Structural damage

Vibration transmission through the ground can cause a structure and structure coupled elements (walls, windows) to radiate. The transmitted vibration energy has the potential to damage and compromise the integrity of a structure as well as increase the risk of damage to building contents.

There is no current Australian Standard that sets criteria for the assessment of building damage caused by vibrations. Guidance on limiting vibration values has been obtained with reference to the following standards:

- standard structures: British Standard BS 7385-Part 2:1993 Evaluation and measurement for vibration in buildings
- heritage structures: German Standard DIN 4150-3:1999 Structural Vibration Part 3: Effects of vibration on structures.

Standard structures

Vibration criteria provided in *BS 7385-Part 2* to determine the effects of transient vibration on standard structures is provided in Table 3-12. The damage classification relating to 'cosmetic', 'minor' and 'major' categories are described in *BS 7385-Part 1* and are presented in Table 3-13.

Table 3-12 Transient vibration guide values

Line	Type of structure	Damage level	Peak component particle velocity in frequency range of predominant pulse – transient vibration (mm/s)		
			4 Hz to 15 Hz	15 Hz to 40 Hz	40 Hz and above
1	Reinforced or framed structures[1]	Cosmetic	50		
		Minor	100		
		Major	200		
2	Unreinforced or light framed structures[2]	Cosmetic	15 - 20	20 - 50	50
		Minor	30 - 40	40 -100	100
		Major	60 - 80	80 - 200	200

Note 1: Typical for industrial and heavy commercial buildings
Note 2: Typical for residential or light commercial type buildings.

Table 3-13 Damage classification

Damage classification	Description
Cosmetic	The formation of hairline cracks on drywall surfaces or the growth of existing cracks in plaster or drywall surfaces; in addition, the formation of hairline cracks in the mortar joints of brick/concrete block construction.
Minor	The formation of cracks or loosening and falling of plaster or drywall surfaces, or cracks through bricks/concrete blocks.
Major	Damage to structural elements of the building, cracks in support columns, loosening of joints, splaying of masonry cracks.

The guide values in Table 3-12 relate predominantly to transient vibration which does not give rise to resonant responses in structures and low-rise buildings. Where the dynamic loading caused by continuous vibration may give rise to dynamic magnification due to resonance, especially at lower frequencies, then the guide values may need to be reduced by up to 50 per cent.

The predominant vibration for most construction activities involving intermittent vibration sources such as piling rigs and excavators occur at frequencies greater than 4 Hz (and usually in the 10 Hz to 100 Hz range). However, a conservative vibration damage screening level is based on continuous vibration and provided below:

- reinforced or framed structures: 25.0 mm/s
- unreinforced or light framed structures: 7.5 mm/s

The conservative vibration screening level provided above is based on a 'cosmetic' damage level at frequencies between 4 Hz to 15 Hz.

Heritage structures

Vibration criteria provided in *DIN 4150-3* to determine the effects of short-term vibration on heritage structures is provided in Table 3-14 (Line 3).

It should be noted that heritage structures should be considered on a case by case basis, as a heritage listed structure may not necessarily be more sensitive to vibration than a standard

structure. Where a historic heritage structure is deemed to be sensitive to damage (following inspection), the more conservative criteria from DIN 4150-3 should be considered (Line 3 from Table 3-14).

Table 3-14 Guideline values for short-term vibration on structures

Line	Type of Structure	Guideline Values for Velocity, $v_i(t)$[1] [mm/s]		
		1 Hz to 10 Hz	10 Hz to 50 Hz	50Hz to 100Hz[2]
1	Buildings used for commercial purposes, industrial buildings and buildings of similar design.	20	20 to 40	40 to 50
2	Residential dwellings and buildings of similar design and/or occupancy.	5	5 to 15	15 to 20
3	Structures that, because of their particular sensitivity to vibration, cannot be classified under lines 1 and 2 and are of great intrinsic value (such as heritage listed buildings under preservation order).	3	3 to 8	8 to 10

Source: German Standard DIN 4150-3: 1999-02 Structural Vibration – Part 3: Effects of vibration on structures
Notes:

1. The term v_i refers to vibration levels in any of the x, y or z axes
2. At frequencies above 100 Hz the values given in this column may be used as minimum values

3.3.3 Guidelines for buried pipework and services

The British Standard *BS 7385-2:1993 Evaluation and measurement for vibration in buildings* notes that structures below ground are known to sustain higher levels of vibration and are very resistant to damage unless in very poor condition.

Guideline values for vibration to evaluate the effects of vibration on buried pipework is provided in *DIN 4150-3*. These values are reproduced in Table 3-15.

Table 3-15 Guideline values for vibration effects on buried pipework

Line	Pipe material	Guideline values for vibration velocity measured on the pipe
1	Steel (including welded pipes)	100 mm/s
2	Clay, concrete, reinforced concrete, pre-stressed concrete, metal (with or without flange)	80 mm/s
3	Masonry, plastic	50 mm/s

Note that in general, compliance with the guideline values for structural damage would result in compliance with the guideline values for buried pipework.

3.4 Blasting

No blasting is anticipated during construction of the project and therefore is not discussed further in this assessment.

4. Impact assessment – Construction

4.1 Assessment methodology

The following methodology was utilised to assess the potential noise and vibration impacts associated with the construction of the project to address the SEARs:

- Identifying key NVSRs in the study area.
- Establishing noise and vibration assessment criteria at sensitive receiver locations.
- Establishing key construction scenarios (and operating equipment for each scenario) based on a review of the construction methods described in the EIS.
- Undertaking noise and vibration modelling based on the established construction scenarios.
- Assessing the potential noise and vibration impacts during construction of the project.
- Assessing potential traffic noise impacts during construction of the project.
- Providing recommendations for reasonable and feasible noise and vibration mitigation measures.

4.2 Construction overview

Construction works associated with the project would include activities typically utilised for rail and road construction. Construction works would broadly involve the following key steps:

- enabling works
- main construction works
- testing and commissioning works.

RailCorp owns all land within the existing rail corridor. ARTC manage the freight lines within the corridor which will be impacted by the project. Where Sydney Trains and ARTC freight lines are affected by the project, the works will be conducted in possessions. The majority of construction works will be limited to within the rail corridor.

Additional land requirements (i.e. outside the corridor) include the Broomfield Street road corridor and other areas which relate mainly to the need for construction compounds and four work sites (particularly associated with bridge works).

Construction of the project is anticipated to start in early 2021 and would be completed over a period of about two years.

The methodology and information presented below is indicative and would continue to be modified and refined as the design process continues. The construction contractor, when appointed, would develop a final construction methodology and program.

4.2.1 Staging

Construction inside the project site would generally be carried out in six key stages. A summary of the potential staging is provided in Table 4-1.

It should be noted that the staging may not be sequential but may be undertaken in a different order or with some stages occurring simultaneously. The final staging will be determined by the construction contractor. Establishment and demobilisation of compounds would take place during standard construction hours only.

Table 4-1 Indicative construction staging

Stage	Activity	Duration	Hours of work				
			Standard hours	OOHW	Possession works		
					Day	Evening	Night
Enabling works	Enabling works and relocation of utilities	26 weeks	✓	✓			
Stage 1 – Sussex Street and south abutment of Sussex Street Bridge	Road works Use of compounds C1, C2 and C3 and worksite 1.	65 weeks	✓	✓			
Stage 2 – Broomfield Street and north abutment of Sussex Street Bridge	Road works Retaining walls Noise wall Sussex Street bridge Tie in works Use of compounds C1, C2 and C3 and worksite 1 and 4	65 weeks	✓	✓	✓	✓	✓
Stage 3 – Cabramatta Creek Bridge	Cabramatta Creek bridge Tie in works Use of compounds C1, C2 and C3 and worksite 1. Worksites 2 and 3.	104 weeks	✓	✓	✓	✓	✓
Stage 4 – Jacquie Osmond Reserve and Peter Warren Automotive	Retaining walls Use of compounds C1, C2 and C3 and worksite 1.	78 weeks	✓	✓			
Stage 5 Track works	Track works Signalling Testing and commissioning Use of compounds C1, C2 and C3 and worksite 1.	52 weeks	✓	✓	✓	✓	✓
Stage 6 – Finishing and rehabilitation	Finishing and rehabilitation Use of compounds C1, C2 and C3 and worksite 1.	13 weeks	✓	✓	✓	✓	✓

Additional construction works for the installation of new signalling would be required outside the project site which may be located in proximity to Villawood Station, Liverpool Station and Casula Station. Timing for the signalling works are anticipated to be:

- Installation works: completed in one week
- Commissioning: undertaken during a possession
- Cabling works: up to one month using hand tools.

The construction impacts at these locations are outside the main project study area and have been assessed separately in section 4.3.3.

4.2.2 Timing

The scale and complexity of works required means that works would need to be carried out during and outside recommended standard working hours.

The majority of works would be carried out during recommended standard hours as defined by the ICNG, which are:

- Monday to Friday: 7.00 am to 6.00 pm
- Saturday: 8.00 am to 1.00 pm
- Sundays and public holidays: no work.

A number of works would need to be carried out outside the above mentioned hours. These works would be required due to the physical location of the works within the operational rail and road corridors, which could create a significant safety hazard and to minimise impacts to transport, environment and adjacent properties.

The out of hours works would include the following:

- delivery of certain materials and plant to the fixed facilities, required to be conducted outside of standard hours by authorities for safety reasons, environmental impact reasons or potential impacts to properties
- works required to occur within the operational rail envelope and therefore to manage potential safety or operational considerations, need to be undertaken during track possessions. This might include formation work and track configurations
- relocation of services such as overhead electricity
- some bridge works such as lifting of girders to minimise potential impacts on the surrounding community
- some road works to be carried out at night (generally between 10.00 pm and 4.00 am) to minimise traffic disruptions and to maintain pedestrian and cyclist safety (i.e. traffic realignment, asphalting, linemarking).

The above list of works is not exhaustive and other works would potentially be required outside the recommended standard hours. The construction contractor would determine any additional works required outside standard hours. All OOHW would be carried out in accordance with an OOHW framework developed for the project.

4.2.3 Compounds

Construction compounds are areas used as the base for construction activities, usually for the storage of plant, equipment and materials, and/or construction site offices and worker facilities. The compounds would also contain some of the following:

- site office
- toilets, showers and change rooms
- meal rooms and first aid facilities
- areas for plant, equipment and material storage
- fencing and security facilities
- staff parking.

The main construction compounds are listed in Table 4-2.

Table 4-2 Proposed construction compounds

ID	Location	Existing land use	Proposed use	Duration of use	Principle plant and equipment use
C1	Within rail corridor	Temporary storage	Areas for plant, equipment and material storage	Long term, Full length of construction works	Delivery vehicles
C2	Warwick Farm Recreational Reserve	Public recreation	Areas for plant, equipment and material storage Fencing	Long term, Full length of construction works	Delivery vehicles
C3	Jacquie Osmond Reserve	Public recreation	Site offices and staff facilities Areas for plant, equipment and material storage Fencing and security facilities Worker parking for between 60 to 80 cars.	Long term, Full length of construction works	Delivery vehicles Semi-trailers Light vehicles Grinder / mulcher 20 tonne (T) excavator including rock-breaker Vibratory roller Water cart Compactor Light vehicles Crane

Ancillary work site areas would be established in addition to the main construction compounds, to support short-term works. The ancillary work sites would be used to provide support for construction activities that are not near the main construction compounds. The proposed locations of ancillary work sites and their proposed use are listed in Table 4-3.

Table 4-3 Work site locations

ID	Location	Existing use	Proposed use	Duration of use	Principle plant and equipment use
W1	Access to compound site C3	Unnamed road/ shared path	Truck turning circle	Long term - Full length of construction works	Construction vehicles including light vehicles and heavy vehicles under 3.5 m in height.
W2	Southern side of Cabramatta Creek bridge	Shared path	Crane pads	Short term	Crane Piling rigs
W3	Northern side of Cabramatta Creek bridge	Shared path	Crane pads	Short term	Crane Piling rigs
W4	Sussex Street bridge	Shared path	Crane pads	Short term	Crane Piling rigs

4.3 Construction noise impacts

4.3.1 Noise modelling scenarios

The proposed construction staging described in section 4.2.1 was used to construct the noise modelling scenarios in Table 4-4.

These scenarios have been modelled to estimate the construction noise impacts during each stage of construction. Construction work hours for each modelled scenario has been identified based on the times identified in Table 4-1 for the construction stages.

The activity sound power level for each modelled scenario is provided in Table 4-5 and is based on the following assumptions:

- Construction scenarios have been modelled based on the plant and equipment proposed at the time of undertaking this assessment.
- Construction scenarios assume that the noise wall along Broomfield Street will be completely demolished in the immediate work area. However, in reality, the existing noise wall will be progressively removed and the new noise wall constructed (in sections) as works progress along Broomfield Street. Partial shielding from construction of a new noise wall (during demolition of the existing noise wall) has not been taken into consideration and therefore the predicted modelling results are conservative.

  The new noise wall cannot be fully constructed prior to the demolition of the existing noise wall due to constructability constraints relating to the existing retaining walls in the area and insufficient space. This is further discussed in the EIS.
- All equipment would operate simultaneously at maximum power for 10 minutes out of the 15 minute worst case period. During construction, it is unlikely that all equipment would be operating at any one time. Limiting the period that the equipment is operational applies a degree of realism to the predicted results.

The actual plant and equipment used at each work area would be further refined during the detailed design stage.

Table 4-4 Construction scenarios

Scenario	Scenario description	Activities	Construction work hours					Highly intensive works
			Standard hours	OOHW	Possession works			
					Day	Evening	Night	
CS01	Compound establishment and operations	Install site environment and traffic control devices. Establish site compounds and construction work areas. Install site fencing and hoarding. Compound operations.	✓	✓	-	-	-	-
CS02	Vegetation removal and utility relocation	Vegetation clearance and tree removal. Relocation of sub-surface utilities. Power pole relocation works.	✓	✓	-	-	-	-
CS03	Road earthworks (Stage 1/2)	Earthworks along Broomfield Street and Sussex Street. Embankment, foundation and fill to road formation level.	✓	✓	✓	✓	✓	✓
CS04	Road pavement works (Stage 1/2)	Kerb and gutter installation. Pavement construction and asphalt overlay. Tie-in works to existing roads.	✓	✓	✓	✓	✓	✓
CS05	Road furniture installation (Stage 1/2)	Line-marking and signage installation. Installation of street lights.	✓	✓	✓	✓	✓	-
CS06	Noise wall construction (Stage 2)	Removal of existing noise wall panels. Dismantle existing retaining wall. Construction of new retaining walls. Installation of noise wall structural posts. Insert noise wall panels.	✓	✓	✓	✓	✓	✓
CS07	Bridge construction pre-work (Stage 3)	Construct access ramps for piling rigs and cranes. Construct crane pads and prepare piling location sites.	✓	✓	✓	✓	✓	✓
CS08	Bridge construction works (Stage 3)	Construct pile cap and erect precast pies. Girder installation.	✓	-	✓	✓	✓	✓

Scenario	Scenario description	Activities	Construction work hours					Highly intensive works
			Standard hours	OOHW	Possession works			
					Day	Evening	Night	
CS09	Bridge rail installation (Stage 3)	Ballast, sleeper and rail installation. Finishing works and shared pathway reinstatement.	✓	-	✓	✓	✓	-
CS10	Retaining wall installation (Stage 4)	Excavation for new retaining wall. Concrete pour for footing. Installation of structural wall.	✓	✓	-	-	-	✓
CS11	Track construction (Stage 1-3 and Stage 5)	Realighning existing track (slewing) (Stage 1- 3 or first available possession period) Excavate beside the existing SSFL. Earthworks. Install track drainage.	✓	✓	✓	✓	✓	✓
CS12	Track installation (Stage 5)	Ballast, sleeper and rail installation. Signalling equipment (inside the project area) and infrastructure installation.	✓	-	✓	✓	✓	✓
CS13	Finishing and rehabilitation (Stage 6)	Demobilise construction compounds and work areas. Removal of temporary fencing. Revegetation and area restoration.	✓	-	-	-	-	-

Table 4-5 Construction scenario activity sound power levels, dBA

Construction plant	Sound power level	Construction scenario[1]												
		CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13
Activity sound power level		109	115	121	117	105	121	113	115	106	121	112	119	106
Asphalting machine	106				✓									
Backhoe	111			✓								✓		
Ballast train	115												✓	
Cherry picker	98	✓				✓				✓			✓	✓
Compactor	106		✓	✓										
Concrete pump	102					✓	✓	✓	✓		✓	✓		
Concrete truck	109				✓			✓	✓			✓		
Concrete vibrator	113				✓				✓					
Crane	108	✓	✓	✓						✓				
Crane (franna)	98					✓	✓				✓	✓	✓	✓
Excavator (20 tonne)	105	✓		✓				✓	✓			✓		✓
Excavator (20 tonne) with rock breaker	122			✓			✓				✓			
Front end loader	112								✓					
Grader	113			✓			✓				✓			

Construction plant	Sound power level	Construction scenario[1]												
		CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13
Grinder	105						✓				✓			
Grinder/mulcher	116		✓											
Jack hammer	113						✓		✓		✓			
Light vehicle	103	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Milling machine	117				✓									
Piling rig	112							✓						
Rail regulator	114												✓	
Rail tamper (vibration)	115												✓	
Rail train	115												✓	
Truck	108	✓	✓	✓		✓	✓	✓	✓	✓	✓			✓
Vibratory roller	109		✓	✓								✓		
Water cart	107	✓	✓	✓	✓		✓				✓			

4.3.2 Construction noise prediction method

Noise modelling was carried out using SoundPLAN Version 7.4. SoundPLAN is a computer program for the calculation, assessment and prognosis of noise propagation. Environmental sound propagation was calculated using ISO 9613-2, *Acoustics – Attenuation of sound during propagation outdoors*. The ISO 9613-2 algorithm also takes into account the presence of a well developed, moderate ground based temperature inversion, such as commonly occurs on clear, calm nights or 'downwind' conditions which are favourable to sound propagation.

Ground absorption, reflection, terrain and relevant shielding objects have been taken into account in the calculations.

4.3.2.1 Model configuration

The noise model inputs and assumptions for the construction assessment are provided in Table 4-6.

Table 4-6 Construction noise modelling assumptions

Modelling component	Assumption
Prediction algorithm	*ISO 9613 – 2 Acoustics – Attenuation of sound during propagation outdoors.*
Modelling period	Typical worst case 15 minute period of operation where all the equipment are running at full power for 10 minutes.
Meteorology	ISO 9613 considers the presence of a well developed moderate ground based temperature inversion, such as commonly occurs on clear, calm nights or 'downwind' conditions which are favourable to sound propagation.
Ground absorption coefficient	G = 0.5
Atmospheric absorption	Based on an average temperature of 10°C and an average humidity of 70%.
Receiver heights	1.5 m above building ground level (ground floor).
Operating intensity	Construction scenario sound power levels have been adopted.

4.3.3 Construction noise impacts inside study area

Predicted noise levels for all construction scenarios, outlined in Table 4-4, are presented in Appendix D. Construction noise contours for each modelled scenario are presented in Appendix E. A summary of the construction noise assessment and findings are discussed below.

The following steps have been applied to assess construction noise impacts during and outside standard construction hours:

1. Determine the construction scenarios where the most impacts are expected based on the total number of exceedances (i.e. the predicted noise levels are greater than the construction NMLs).
2. Determine the construction scenarios where the highest impacts are expected based on the maximum exceedance of the NMLs.

Exceedances of the construction NMLs are typical for construction projects of this scale. The predicted noise impacts would be limited to the construction period only and would not have lasting effects on the community.

Impacts during standard hours

The number of receivers inside the construction study area that are predicted to experience noise levels above the construction NMLs are shown in Figure 4-1.

The maximum exceedance of the NML during standard hours are listed in Table 4-7. For each NCA, the range of noise level exceedances for the scenarios with the highest exceedances are shown on Figure 4-2.

Construction noise levels at 102 residential receivers are predicted to exceed the highly noise affected level of 75 dBA. The locations of these receivers are shown in Figure 4-3.

Table 4-7 Highest exceedances, standard hours

NCA	Scenario with highest exceedance	Highest exceedance, dBA
NCA01	CS06	30
NCA02	CS04	52
NCA03	CS02	32
NCA04	CS01	47

Noise levels at some receivers would be considered 'highly intrusive' based on the perception categories provided in the TfNSW CNVS. The additional mitigation measures discussed in section 6 should be implemented where feasible and reasonable.

NCA01

Receivers located in NCA01 are expected to be impacted the most, based on the total number of exceedances of the NML. This can be attributed to the high density of receivers located near the construction works. The number of total exceedances of the NML would be highest during the road earthworks (CS03), noise wall construction (CS06) and track installation (CS12) stages of construction.

The highest exceedances of the NML would occur during the noise wall construction (CS06) stage. This exceedance would be due to operation of the excavator with a concrete rock breaker attachment. The majority of NML exceedances during this stage of construction would be between 1.0 and 5.0 dBA and between 6.0 and 10 dBA which represents a minor impact. Receivers located closer to the works would experience moderate to high impacts above 10 dBA.

NCA02

The number of total exceedances of the NML would be highest during the road earthworks (CS03), noise wall construction (CS06) and track installation (CS12) stages of construction. The highest exceedances of the NML would occur due to the use of a milling machine during road pavement works (CS04).

The number of receivers that would exceed the NML between 1.0 and 10 dBA and more than 11 dBA are roughly equal. Construction impacts during road pavement works would be considered moderate as there is a high proportion of receivers that exceed the NML by a significant amount.

NCA03

The number of total exceedances of the NML would be highest during the retaining wall installation (CS10) and track installation (CS12) stages of construction. The highest exceedances of the NML would occur due to the use of a grinder and mulcher during vegetation removal and utility relocation works (CS02).

The majority of receivers that would exceed the NML are between 1.0 and 10 dBA so construction noise impacts during CS02 are considered minor.

NCA04

The number of total exceedances of the NML would be highest during the site establishment (CS01) and track installation (CS12) stages of construction. The highest exceedances of the NML would occur due to the use of a crane and truck site establishment and compound operations (CS01).

The majority of receivers that would exceed the NML are between 1.0 and 10 dBA. Construction noise impacts during site establishment and compound operations are considered minor.

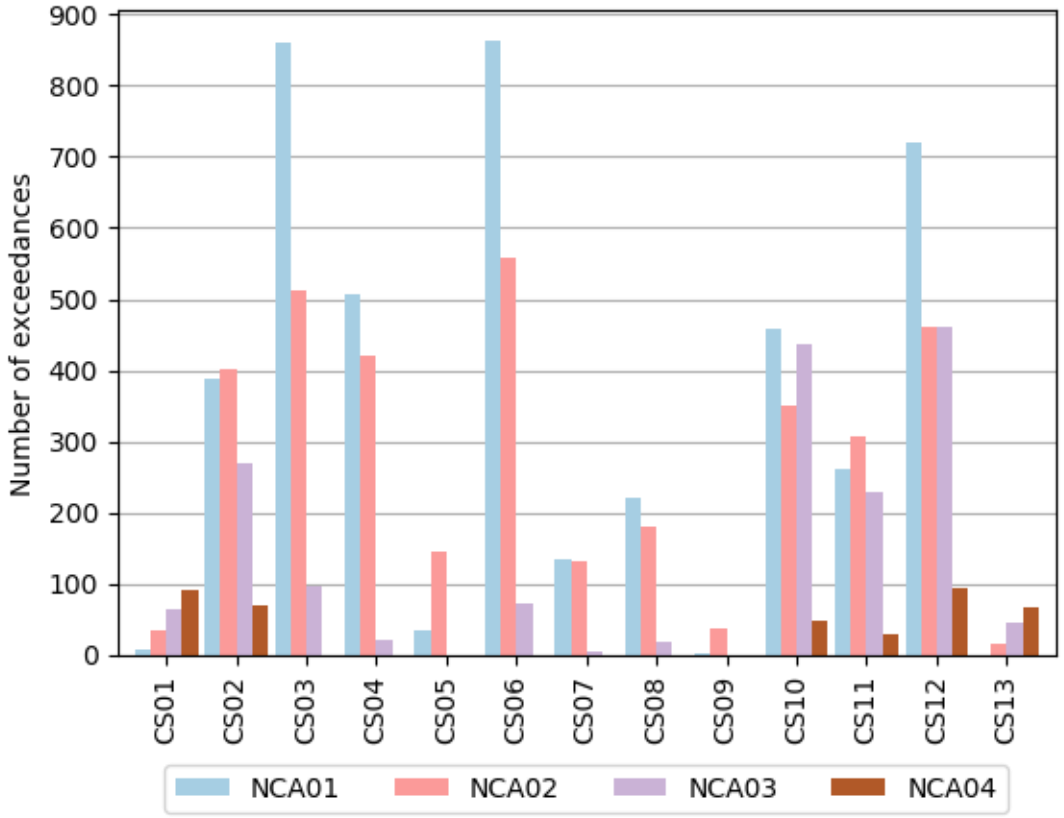

Figure 4-1 Number of exceedances, standard hours

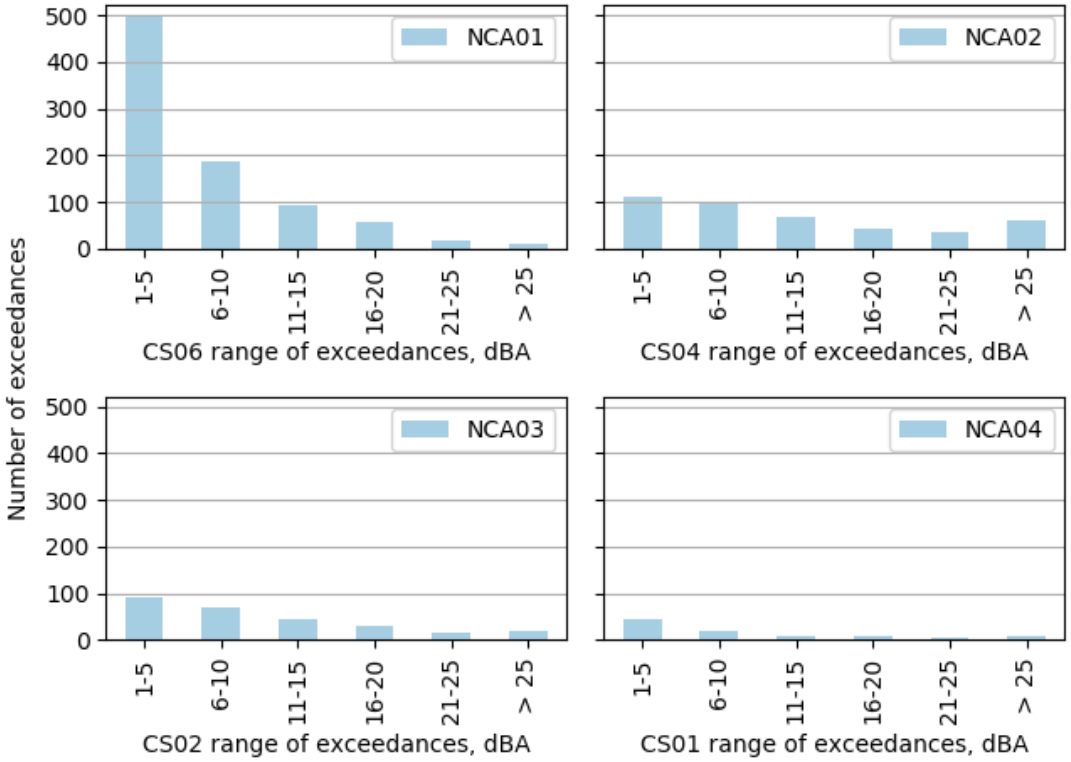

Figure 4-2 Range of noise level exceedances, standard hours

Paper Size ISO A4

0 70 140 210 280

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Highly Noise affected receivers (standard hours)

Project No. **22-19800**
Revision No. **0**
Date **17/04/2019**

Figure 4-3

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_0.aprx\2219800_NVIA005_HighNoiseAffected_0
Print date: 17 Apr 2019 - 16:58

Data source: LPI: DTDB\DCDB, 2017. DPE: Land zoning, 2016.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Impacts outside standard hours

The number of receivers that are predicted to experience noise levels above the NMLs for works outside standard construction hours are shown on Figure 4-4 to Figure 4-6 for the day, evening and night assessment periods.

The highest exceedances of the OOHW NMLs and the construction scenario where these levels are predicted are shown on Table 4-8. For each NCA, the range of noise level exceedances for the scenarios with the highest exceedances are shown on Figure 4-7 to Figure 4-9.

Table 4-8 Highest exceedances, OOHW

NCA	Scenario with highest exceedance	Highest exceedance, dBA		
		OOHW Day	OOHW Evening	OOHW Night
NCA01	CS06	35	36	42
NCA02	CS04	57	57	65
NCA03	CS02	37	37	42
NCA04	CS01	52	52	57

NCA01

Receivers located inside NCA01 are predicted to have low to moderate impacts for any works carried out outside standard hours. The highest exceedances of the NML would occur during the noise wall construction (CS06) stage. The majority of NML exceedances would be between 1.0 and 15 dBA during the day and evening periods and 11 to 20 dBA during the nighttime period.

NCA02

Receivers located inside NCA02 are predicted to have low to moderate impacts for any works carried out outside standard hours. The highest exceedances of the NML would occur during vegetation removal and utility relocation works (CS04). The majority of NML exceedances would be between 1.0 and 15 dBA during the day, evening periods and nighttime periods. A significant proportion of receivers located next to the proposed works would experience high impact as the predicted exceedance of the NML is above 20 dBA.

NCA03

Receivers located inside NCA02 are predicted to have low impacts for any works carried out outside standard hours. The highest exceedances of the NML would occur during the road pavement works (CS04). The majority of NML exceedances would be between 1.0 and 10 dBA during the day, evening periods and nighttime periods.

NCA04

Receivers located inside NCA02 are predicted to have low impacts for any works carried out outside standard hours. The highest exceedances of the NML would occur during site establishment and compound operations (CS01). The majority of NML exceedances would be between 1.0 and 10 dBA during the day, evening periods and nighttime periods.

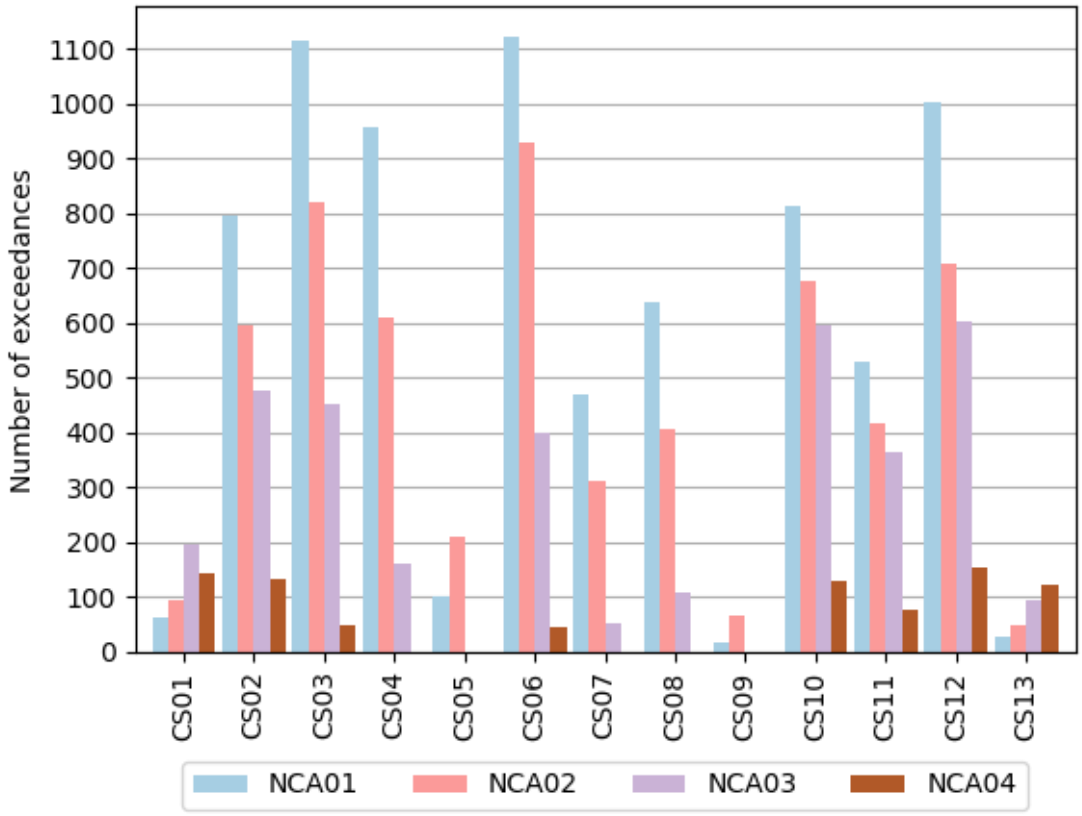

Figure 4-4 Number of exceedances, OOHW (day)

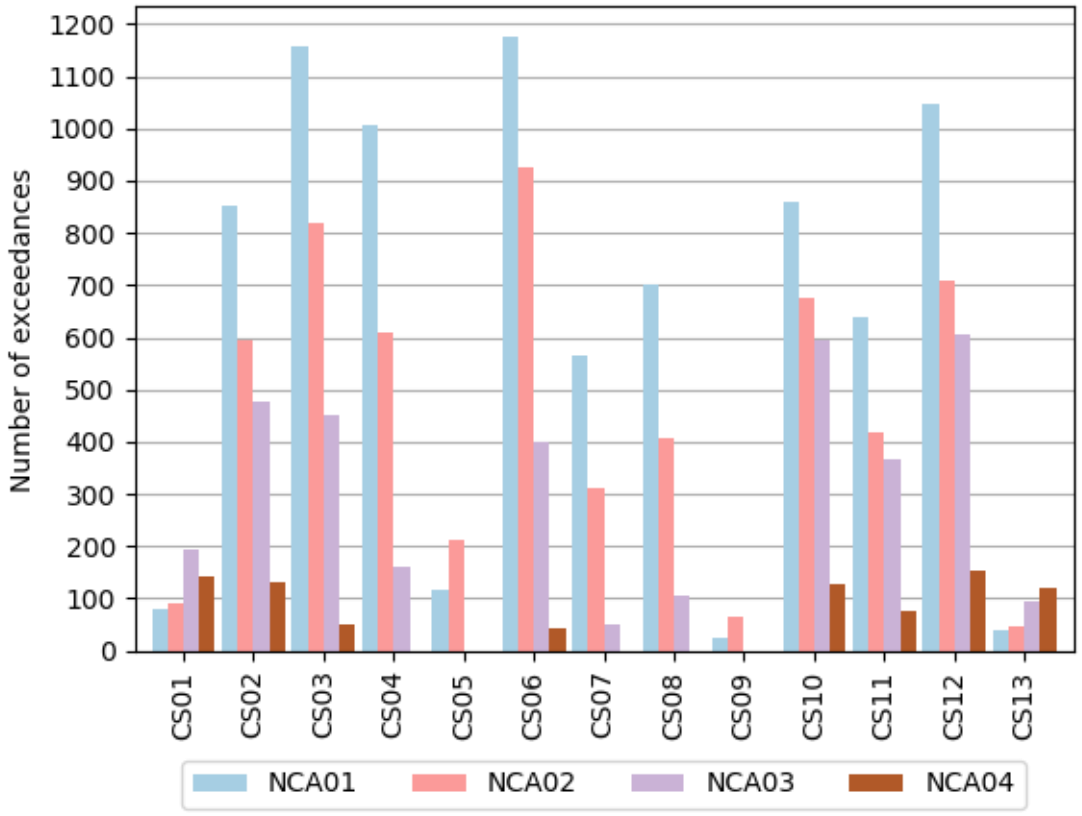

Figure 4-5 Number of exceedances, OOHW (evening)

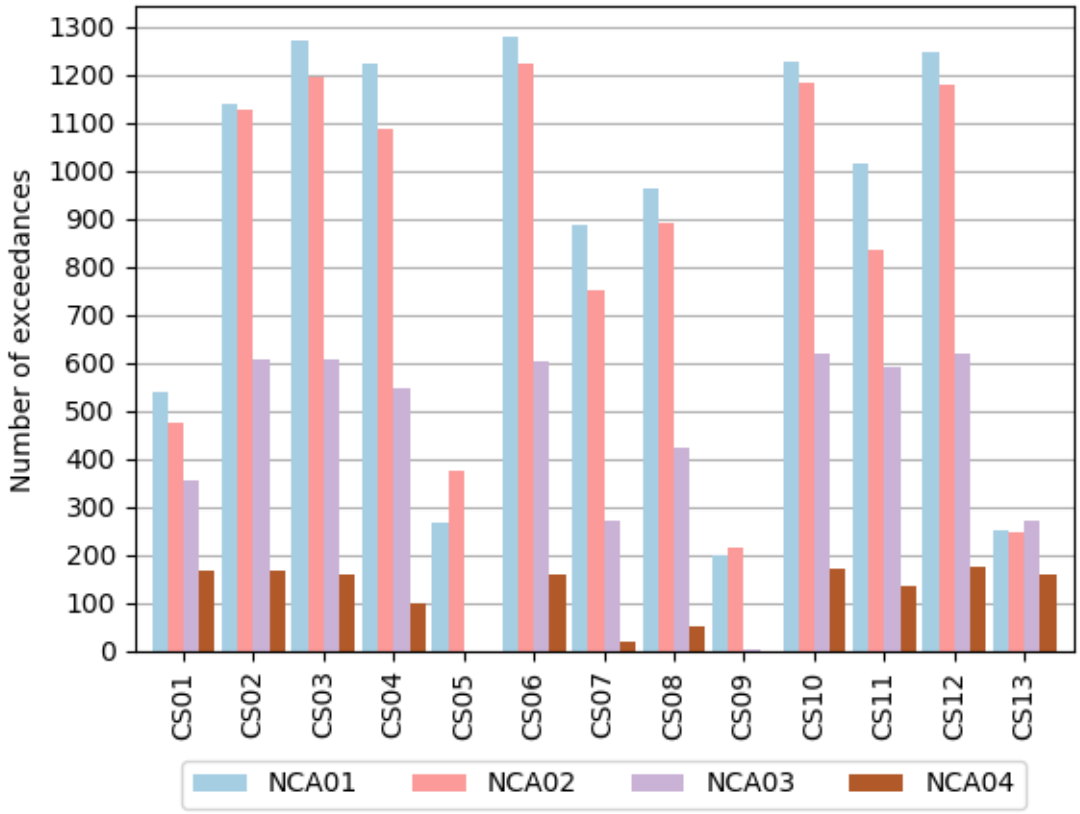

Figure 4-6 Number of exceedances, OOHW (night)

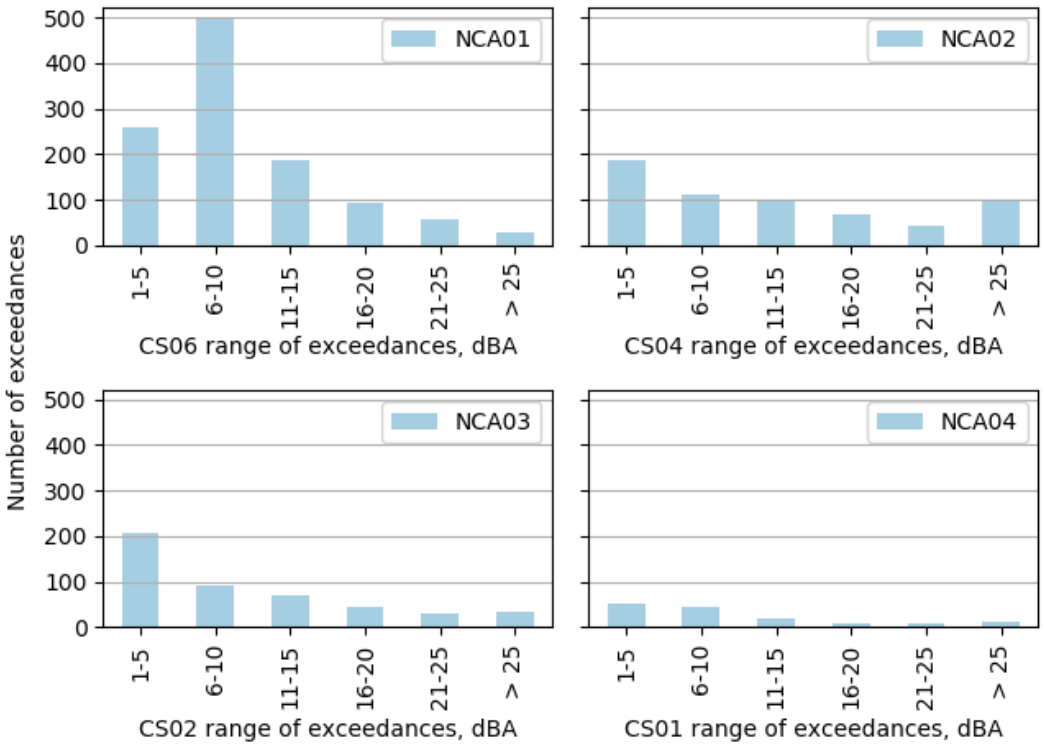

Figure 4-7 Range of noise level exceedances, OOHW (day)

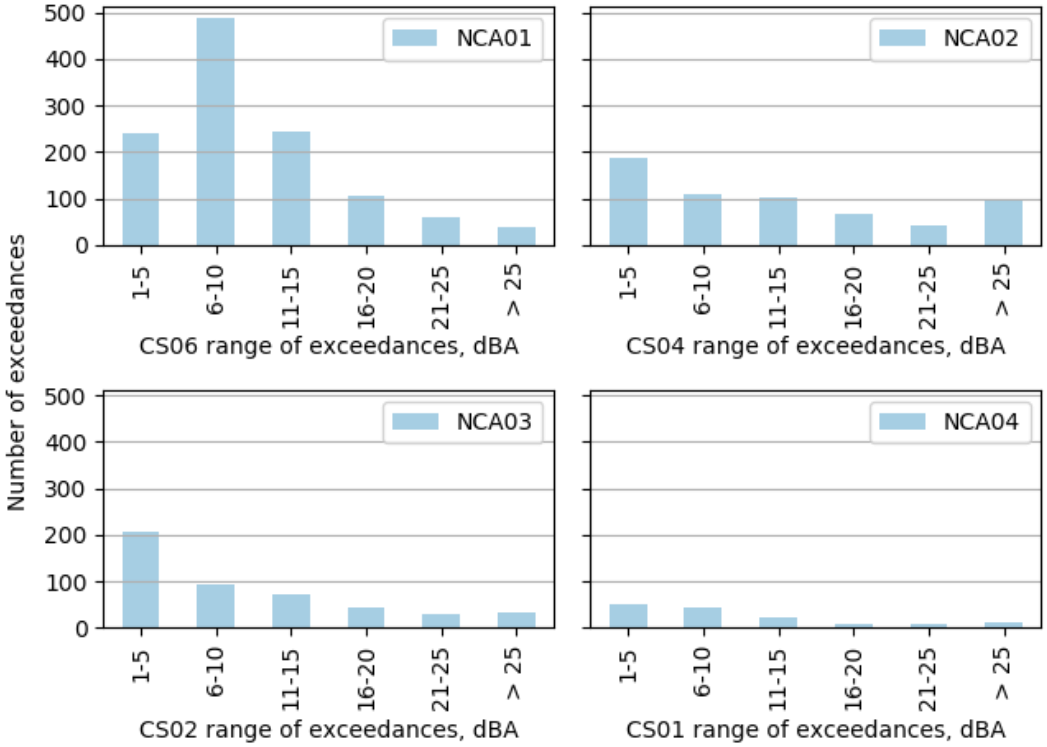

Figure 4-8 Range of noise level exceedances, OOHW (evening)

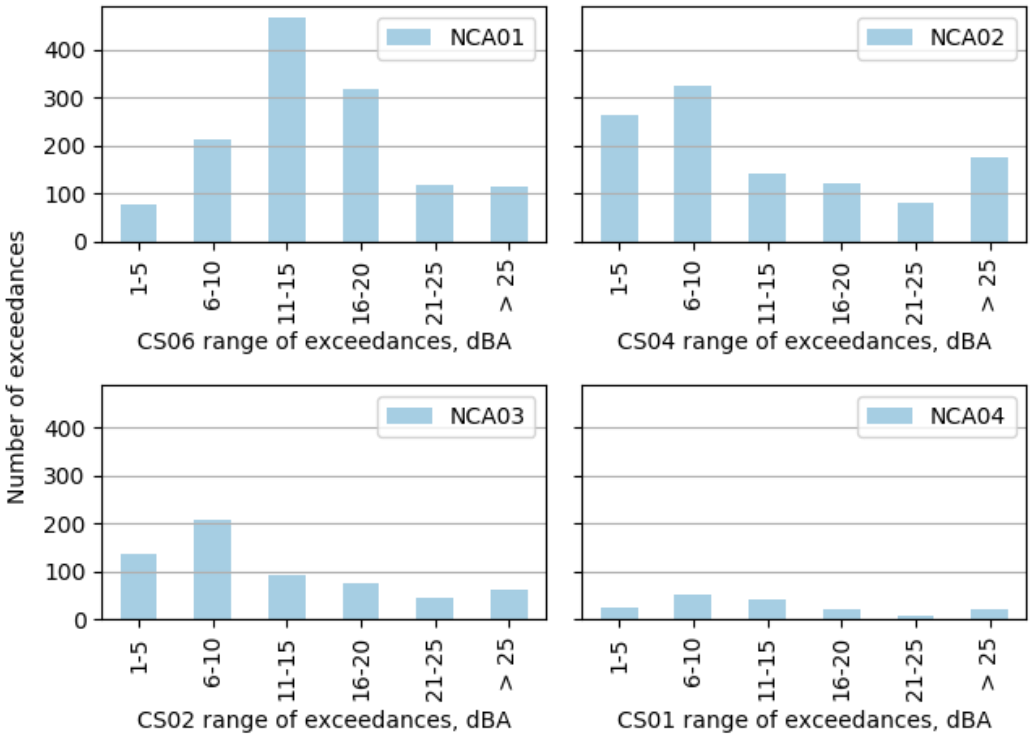

Figure 4-9 Range of noise level exceedances, OOHW (night)

Discussion on construction noise impacts

Construction noise impacts are expected during and outside standard hours. The level of impact is based on the level of exceedance above the NML which depends on the following factors:

- type of construction plant and equipment being operated
- location of the construction machinery relative to the sensitive receiver
- existing background noise levels
- attenuation effects from intervening terrain and structures
- time of day for construction works.

Without the use of supplementary construction noise and vibration controls, the latter three factors are generally fixed. Therefore, the type of operational construction equipment and the distance between the construction works and receiver controls the level of exceedance.

In general, construction activities would move along the construction alignment. Impacted receivers would only experience the predicted worst case noise levels when construction works are located closest to the receiver. At other times, the receivers would experience levels below the worst case noise levels predicted as construction activities would progressively move away from the receiver as works are completed.

The highest construction noise impacts are expected during road earthworks, noise wall construction and track installation. This would be consistent for works during and outside standard construction hours. The mitigation measures identified in section 6.1 should be implemented where considered feasible and reasonable.

Receivers located along the roads identified in Table 4-9 would be expected to experience the worst-case noise impacts as they are located directly adjacent the construction works. Beyond the first row of receivers located adjacent the construction works, the level of exceedance would decrease due to noise levels decreasing with distance and shielding from surrounding structures.

Table 4-9 Most impacted roads from construction vibration

Road	NCA	Affected receiver types
Railway Parade	NCA01	Residential, commercial, industrial
Broomfield Street	NCA02	Residential
Station Street	NCA03	Residential
Lawrence Hargrave Road	NCA03	Residential
Todman Road	NCA04	Commercial, industrial
Sappho Road	NCA04	Commercial, industrial

4.3.4 Construction noise impacts for signalling work

In addition, minor works in the form of new signalling would be installed at a number of locations within the rail corridor. Timing for the signalling works are anticipated to be:

- Installation works: completed in one week
- Comissioning: undertaken during a possession
- Cabling works: up to one month using hand tools.

This work would involve the use of the following equipment:

- Light and heavy vehicles
- Excavators
- Hand tools, including portable generators.

A simple assessment, as defined in the CNVS (TfNSW, 2018), has been undertaken to assess construction noise and vibration impacts for the proposed signalling works :

- Construction works will be completed within 6 weeks. Some works will be undertaken during possession periods.
- Vibration intensive equipment are used outside the minimum working distances for cosmetic damage to buildings or human disturbance.
- Construction traffic impacts are not anticipated.

The nearest residential receivers are located around 30 to 50 m from the proposed signalling works. The exceedance of the NML for various distances is provided in Table 4-10.

Table 4-10 Exceedance of NML, dBA

Period	Distance from work area, m							
	30	40	50	60	70	80	90	100
Standard hours	5	3	1	-	-	-	-	-
OOHW Period 1 (Day)	15	13	11	9	8	7	6	5
OOHW Period 1 (Evening)	15	13	11	9	8	7	6	5
OOHW Period 2 (Night)	20	18	16	14	13	12	11	10

The impact distances based on the exceedances of the NML are:

- Standard hours: 50 metres
- OOHW Period 1 (Day/Evening): 100 metres
- OOHW Period 2 (Night): 170 metres.

The mitigation measures identified in section 6.1 should be implemented where considered feasible and reasonable.

4.4 Construction compound operation

The proposed compound operations have been assessed as part of construction scenario CS01. Three construction compound locations and four work site areas are proposed to provide support for construction activities. The typical activities and locations of the compounds are described in section 4.2.3. The expected impacts due to compound operations is discussed in the following section.

4.4.1 Rail compound (C1) operations

This rail compound (C1) is located within the rail corridor and it is anticipated that it would be operational for across the majority of the construction period. The C1 compound is located south of Warwick Farm Station and is located inside NCA04. This compound would be accessed from Hume Highway and Warwick Street through the Warwick Farm Railway Station at-grade car park. This compound would be primarily used as a storage area for plant, equipment and stockpiling.

Operations at the C1 compound have the potential to impact receivers located inside NCA03 and NCA04. The maximum exceedance of the NML for each time period is provided in Table 4-11. The most affected receivers are as follows:

- NCA03: The nearest residential receivers are located along Hart Street and are around 120 metres from the C1 compound. These receivers have line of sight to the C1 compound. Operations towards the north of the compound have the potential to be slightly shilded from the Warwick Farm Multi-Storey Car Park.
- NCA04: The nearest residential receivers are located directly adjacent the C1 compound These receivers are separated from the railway corridor by a fence which provides a degree of shielding from compound operations.

Table 4-11 C1 Compound operations – maximum exceedances

NCA	Standard hours	OOHW Period 1		OOHW Period 2
		Day	Evening	Night
NCA03	13	18	18	23
NCA04	47	52	52	57

4.4.2 Warwick Farm (C2) and Jacquie Osmond Reserve (C3) operations

The Warwick Farm Recreational Reserve (C2) compound and the Jacquie Osmond Reserve (C3) compound are located on opposing sides of the rail corridor in the same broader area. Therefore, impacts from these compounds have been assessed together.

The C3 compound will be the main compound for the construction of the project and would likely be utilised for the majority of the works.

As the C2 and C3 compounds are located in an existing reserve, they are not entirely contained within any NCA identified. The C2 compound is located north of NCA03 and the C3 compound is located in NCA02 and NCA04.

Access to each compound would be along the following routes:

- C2 compound: Hume Highway, Mannix Parade, Lawrence Hargrave Road, Nicholls Street and Station Street
- C3 compound: Hume Highway and Sappho Road.

A description for the types of activities at each compound is as follows:

- C2 compound: this is an ancillary compound which would be used as a storage area for plant, equipment and stockpiling.
- C3 compound: this is the main compound which would be used to support construction works. The C3 compound would contain the site office and amenity facilities. This compound would support parking for around 60 to 80 cars. Additional uses of this compound would include storage for plant, equipment and stockpiling.

Operations at the C2 and C3 compound would impact receivers located in all NCAs. A discussion on the predicted impacts on the receivers located in each NCA follows. The maximum exceedance of the NML for each time period is provided in Table 4-11 The most affected receivers are as follows:

- NCA01: The nearest residential receivers surround the reserve where the proposed compounds will be located. The roads which would be most affected include Jasmine Crescent, Lunn Court and Sussex Street. These roads are located around 220 metres to 400 metres from the proposed compounds. Dense vegetation along Cabramatta Creek breaks line of sight to the compound and would provide minor shielding effects.
- NCA02: The nearest residential receivers are located immediately north of Cabramatta Creek along Sussex Street and Liverpool Street. These roads are located around 150 metres to 270 metres from the proposed compounds. Dense vegetation along Cabramatta Creek breaks line of sight to the compound and would provide minor shielding effects.
- NCA03: The nearest residential receivers are located along Lawrence Hargrave Road and are around 100 metres from the C2 compound. These receivers have line of sight to the C2 and C3 compound.
- NCA04: The nearest receivers are commercial and industrial and are located directly adjacent the C3 compound. Impacts on residential receivers located in NCA04 are considered unlikely as these receivers are located to the south of Hume Highway which is over 700 metres south of the compound locations.

Table 4-12 C2/C3 Compound operations – maximum exceedances

NCA	Standard hours	OOHW Period 1		OOHW Period 2
		Day	Evening	Night
NCA01	2	7	8	14
NCA02	9	14	14	22
NCA03	13	18	18	23

4.5 Sleep disturbance impacts

Construction activities are expected outside standard construction hours to minimise the impacts on rail and road traffic during construction. There is the potential for maximum noise level events if the predicted maximum noise level is above the screening criteria of 52 dBA.

The screening criteria of 52 dBA is predicted to be exceeded outside the building's façade at 1284 residential receivers. Therefore a detailed maximum noise level assessment has been undertaken. The RNP states that maximum internal noise levels between 50 to 55 dBA are unlikely to awaken people from sleep. Typically, a window will provide a 10 dBA reduction when partially open and a 20 dBA reduction when closed. For a conservative assessment, the windows have been assumed to be partially open to assess sleep disturbance impacts.

Based on this assessment, 102 sensitive receivers have the potential to experience sleep disturbance impacts. These receivers are shown in Figure 4-10.

Potential sleep disturbance impacts near Warwick Farm Station would be due to operation of the rail compound (C1). This compound would be predominately used for storage and would require material deliveries during the early morning and late evening periods. Continuous impacts throughout the night-time period are considered unlikely.

Community consultation and consideration of the additional mitigation measures in section 6.1.2 should be applied if the sleep disturbance criteria is anticipated to be exceeded for more than two consecutive nights and cannot be avoided due to reasonable and feasible justification.

Paper Size ISO A4

0 70 140 210 280

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Sleep disturbance impacted receivers

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure 4-10

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Print date: 11 Apr 2019 - 09:35

Data source: LPI: DTDB\DCDB, 2017. DPE: Land zoning, 2016.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

4.6 Construction traffic

Construction vehicle movements would consist of light and heavy vehicles associated with staff movements, plant delivery and material delivery and removal. This has the potential to create construction traffic noise impacts.

Construction traffic impacts are assessed by determining whether the potential noise level increases would be perceptible when compared to existing traffic. The access routes are shown in Figure 4-11 and the estimated peak vehicle numbers per hour are provided in Table 4-13. Existing peak vehicle numbers per hour are provided in Table 4-14.

Table 4-13 Peak number of construction vehicles per hour

Street	Road class	Possession (24 hours)		Non-possession (day time working hours)	
		Heavy vehicle	Light vehicle	Heavy vehicle	Light vehicle
Hume Highway	Arterial	4	60	4	30
Cabramatta Road East	Sub-arterial	2	20	2	15
Junction Street	Local	2	20	2	15
Liverpool Street/ Sussex Street	Local	2	20	2	15
Broomfield Street	Collector	2	20	2	15
Mannix Parade/ Lawrence Hargrave Road/Nicholls Street/ Station Street/Railway Parade	Local	3	60	2	30
Sappho Road	Collector	2	20	2	15
Warwick Street	Local	4	60	4	30

Table 4-14 Existing traffic volumes per hour

Location	Road classification	Direction	AM Peak Hour (veh/h)*	PM Peak Hour (veh/h)*
Hume Highway – between Mannix Road and Sappho Road	Arterial road	Eastbound	2,150	1,890
		Westbound	1,650	1,885
		Total	***3,800***	***3,775***
Cabramatta Road East	Sub arterial	Northbound	390	935
		Southbound	840	800
		Total	***1,230***	***1,735***
Broomfield Street	Local road	Northbound	135	140
		Southbound	150	160
		Total	***285***	***300***
Mannix Parade	Local road	Northbound	125	120
		Southbound	165	135
		Total	***290***	***255***
Lawrence Hargrave Road	Local road	Northbound	80	80
		Southbound	65	65
		Total	***145***	***145***
Sappho Road	Local road	Northbound	205	275
		Southbound	45	200
		Total	***250***	***475***

The noise increase associated with the additional traffic on these roads has been calculated as per the following formula:

$$Increase\ (dB) = 10\log(\frac{Total\ traffic\ (existing\ plus\ construction)}{Existing\ traffic})$$

The noise increase associated with the project roads is calculated to be as follows:

- Arterial and sub-arterial roads: <0.2 dB.
- Collector roads: 0.5 to 0.7 dB.
- Local roads: 0.5 to 1.8 dB.

Therefore, construction traffic is not expected to increase noise levels by more than 2 dBA for the roads in the study area. The objectives of the RNP are considered met and further consideration of noise impacts associated with construction traffic is not required. Traffic along local and collector roads would be managed in accordance with a traffic management plan to minimise the potential construction traffic noise impacts.

Paper Size ISO A4

0 0.065 0.13 0.195 0.26

Kilometers

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Noise and Vibration Impact Assessment

Project No. **22-19800**
Revision No. **0**
Date **16/04/2019**

Construction traffic routes

Figure 4-11

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Print date: 17 Apr 2019 - 16:56

Data source: LPI: DTDB/DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

4.7 Construction vibration assessment

4.7.1 Construction vibration overview

The methodology for the construction vibration assessment included the following:

- Vibration from surface construction plant and equipment was predicted and assessed with consideration to Assessing Vibration: a Technical Guideline and German Standard DIN 4150-3: 1999 Structural Vibration – Part 3: Effects of vibration on structures.
- Where vibration levels were predicted to exceed the vibration criteria, appropriate construction vibration mitigation measures have been provided to minimise impacts from each construction phase.

Energy from equipment is transmitted into the ground and transformed into vibration, which then attenuates with distance. The magnitude and attenuation of ground vibration is dependent on the following:

- the efficiency of the energy transfer mechanism of the equipment (ie impulsive, reciprocating, rolling or rotating equipment)
- the frequency content
- the impact medium stiffness
- the type of wave (surface or body)
- the ground type and topography.

Construction and demolition works have the potential to impact on human comfort and/or cause structural damage to buildings. Potential vibration inducing activities identified during construction and demolition works include the following:

- piling, grinding and cutting would generate impulsive vibration emissions
- bulk earthworks, construction traffic movements and demolition works would be a source of intermittent or continuous vibration.

4.7.2 Predicted vibration levels

Table 4-15 outlines typical vibration levels for different plant activities sourced from the Roads and Maritime *Environmental Noise Management Manual* (ENMM) (RTA, 2001), British Standard *BS 5228.1* and the CNVS (TfNSW, 2018).

Table 4-15 Typical vibration levels for construction equipment

Item	Peak Particle Velocity (PPV) at 10 m (mm/s)
Roller	5–6
15 tonne roller	7–8
7 tonne compactor	5–7
Dozer	2.5–4
Backhoe	1
Pavement breaker	4.5–6
Excavators, Scrapers, Graders etc.	2.5[1]
Piling (impact)	30
Piling (vibratory)[2]	16.8
Piling (bored)[2]	7.4

Note 1: Based on levels derived at 8 m from: Tyan, A. E. *Ground Vibrations. Damaging Effects to Buildings*. Road Research Board 1973

Note 2: Based on levels derived from BS5228-2. *Bored piling through stones or other obstruction*. Vibratory piling based on relationship provided in Table E.1

As stated in the ENMM, it can be assumed that the vibration level of a source is inversely proportional to the distance between the source and receiver. The following equation has been used to predict the construction vibration levels at various distances.

$$\mathrm{PPV_{receiver}} = \mathrm{PPV_{reference}} \times \left(\frac{\mathrm{d_{reference}}}{\mathrm{d}}\right)^{0.8}$$

The values used for each parameter are provided in Table 4-16.

Table 4-16 Equation parameters

Parameter	Description	Value
$PPV_{receiver}$	PPV at the receiver	See Table 4-18
$PPV_{reference}$	Measured reference PPV	See Table 4-15
$d_{reference}$	Distance for reference PPV measurement	10 m
d	Predicted safe working distance	Predicted value

Based on the typical vibration levels in Table 4-15, the potential vibration levels due to the construction works at various distances are shown in Table 4-17.

Table 4-17 Predicted construction vibration levels

Vibration source	Distance to Source/Peak Particle Velocity (mm/s)			
	10 m	20 m	50 m	100 m
Roller	6.0	3.4	1.7	1.0
15 tonne vibratory roller	8.0	4.6	2.2	1.3
7 tonne compactor	6.0	3.4	1.7	1.0
Dozer	4.0	2.3	1.1	0.6
Backhoe	1.0	0.6	0.3	0.2
Pavement breaker	6.0	3.4	1.7	1.0
Excavator	2.1	1.2	0.6	0.3
Piling (impact)	30	17.2	8.3	4.8
Piling (vibratory)[1]	16.8	7.3	2.4	1.1
Piling (bored)[1]	7.4	4.3	2.1	1.2

Note 1: Based on levels derived from BS5228-2. *Bored piling through stones or other obstruction*. Vibratory piling based on relationship provided in Table E.1

4.7.3 Buffer distances

Predicted safe working buffer distances were calculated for typical equipment vibration values to determine indicative distances where the structural damage (standard dwelling and heritage structure) and human comfort criteria may be exceeded. These are listed in Table 4-18. The safe working buffer distances are dependent on the equipment that the construction contractor selects and would be refined prior to construction.

Vibration may be amplified in multi-level buildings through the structure to the upper floors. A doubling of the buffer distances provided in Table 4-18 would provide a conservative allowance for this possible effect.

Table 4-18 Vibration safe working buffer distances, m

Equipment	Human comfort	Structural damage	
		Heritage structure	Standard dwellings
Vibration criteria	1 mm/s	3 mm/s	5 mm/s
Criteria source	BS 5228-2	DIN 4150-3	DIN 4150-3
General construction activities			
Roller	90 m	24 m	13 m
15 tonne vibratory roller	140 m	34 m	18 m
7 tonne compactor	90 m	24 m	13 m
Dozer	60 m	14 m	8 m
Backhoe	10 m	3 m	1 m
Pavement breaker	90 m	24 m	13 m
Excavator	25 m	6 m	3 m
Piling (bridges)			
Piling (impact)	700 m	180 m	100 m
Piling (vibratory)[1]	110 m	50 m	30 m
Piling (bored)[1]	120 m	35 m	17 m

Note 1: Based on advice given in British Standard BS 7385:1993 – Evaluation and measurement of vibration in buildings.

Note 2: Based on levels derived from BS 5228-2. *Bored piling through stones or other obstruction*. Vibratory piling based on relationship provided in Table E.1.

Vibration intensive plant that may be used during construction includes the following:

- Road construction: a vibratory roller may be used for compaction and has the potential to affect residential properties along Broomfield Street and Sussex Street.
- Noise wall construction: a vibratory roller may be used for compaction and a piling rig may be required during support structure construction works. This has the potential to affect residential properties along Broomfield Street and Sussex Street.
- Bridge construction: a piling rig may be required during bridge foundation works and has the potential to affect residential properties along Broomfield Street and Sussex Street.

Other work areas may require use of vibration intensive plant and the construction contractor would assess these on a case-by-case basis. The following steps should be carried out for vibration intensive work inside the safe working buffer distances:

1. Carry out a building dilapidation survey and confirm whether the structure is considered structurally unsound. The results of the building dilapidation survey would determine the vibration criteria that would be used for construction vibration monitoring. These are provided below and are based on the criteria provided in section 3.3:
   - Structurally sound reinforced structure: 25.0 mm/s
   - Structurally sound unreinforced structural: 7.5 mm/s
   - Structurally unsound structure: 3.0 mm/s.
2. Perform compliance vibration monitoring to determine the vibration emission levels of the equipment prior to construction works starting. The requirement for compliance vibration monitoring will be dependent on the size of the construction equipment selected by the construction contractor and shall be reviewed be a suitably qualified acoustic consultant prior to construction.
3. Confirm the vibration safe working buffer distances based on the site specific vibration emission levels determined in step 2

4. If structures are still located inside the vibration safe working buffer distances, equipment with lower vibration emissions should be considered. If this is deemed unfeasible then a long term monitoring and alarm system should be installed. This system would warn operators in real time when vibration levels are approaching the allowable limits. If the vibration limit is exceeded, activities triggering the exceedance should cease immediately. A detailed review of work methods would be undertaken. If there are no reasonable or feasible alternative work methods, a structural engineer should be contacted for specialist advice, which may include re-enforcing the structure.

4.7.4 Vibration impacts on structures

The numbers of receivers located inside the minimum working distances for vibration intensive activities are provided in Table 4-19. The safe work buffer distances and the receivers affected are displayed in Figure 4-12 for vibratory roller (15 tonne) works and Figure 4-13 for bored piling works. These figures represent the expected worst-case vibration impacts that would be expected during general construction activities and piling works for bridges.

Table 4-19 Number of vibration affected receivers

Equipment	Human comfort	Structural damage	
		Heritage structure	Standard dwellings
Criteria source	BS 5228-2	DIN 4150-3	DIN 4150-3
General construction activities			
Roller	223	3	51
15 tonne vibratory roller	382	3	53
7 tonne compactor	223	3	51
Dozer	156	3	41
Backhoe	48	3	9
Pavement breaker	223	3	51
Excavator	64	3	12
Piling (bridges)			
Piling (impact)	2580	3	243
Piling (vibratory)[1]	272	3	69
Piling (bored)[1]	296	3	53

Effects on standard structures

Receivers located along Broomfield Street and Sussex Street are set back by around 15 to 25 metres from the road. This would be inside the vibration safe working buffer distance if a 15 tonne vibratory roller is used. The size of the vibratory roller should be limited to below 15 tonnes for any works located within 25 metres of any residential structure.

Bored piling works has the potential to cause cosmetic damage impacts on residential structures along Broomfield Street and Sussex Street located within 17 metres of the works.

Effects on heritage listed structures

The heritage structures listed in Table 4-20 have been identified within 50 metres of the project site. A building dilapidation survey of the heritage structures identified within the vibration safe working distance should be carried out. If the building dilapidation survey indicates that the heritage buildings are structurally unsound, then the conservative criteria of 3.0 mm/s provided by DIN 4150-3 should be used.

Piling works during bridge construction has the potential to cause cosmetic damage on the Cabramatta (Cabramatta Creek), Railway Parade and Sussex Street Underbridge. The

Federation Cottage has the potential to experience vibration levels above the allowable limits during road construction works if a 15 tonne vibratory roller is used. As such, the vibratory roller should be limited to below 15 tonnes to limit the potential impact on this structure. It should be noted that since the Federation Cottage's listing in 2009, the structure has burnt down. As it is still a listed site however and may include archaeological potential, it remains referenced here.

Table 4-20 Heritage listed items

Site number	Site name	Address / Property description	Listings - Individual item	Significance	Location
I10	Federation cottage	132 Broomfield Street, Lot 11, section 6, DP 1656	Fairfield LEP 2013	Local (Fairfield LEP)	Next to project site
I19	Cabramatta (Cabramatta Creek), Railway Parade and Sussex Street Underbridge	Railway Parade and Sussex Street (Cabramatta Creek)	Fairfield LEP 2013 RailCorp Section 170 Register	State and local (Fairfield LEP, Section 170 register)	Within project site

In addition the proposed locations for minor works in the form of new signalling are situated close to the following heritage listed items:

- Villawood Railway Station Group (I103), 19 Villawood Road
- Liverpool Railway Station Group, including station building, goods shed and jib crane (72), Bigge Street (off), Lot 31, DP 859887; Part Lot 5, DP 226933.

The proposed signalling works would be located outside of vibration buffer distances to ensure there are no vibraton impacts to these sites.

4.7.5 Human comfort impacts

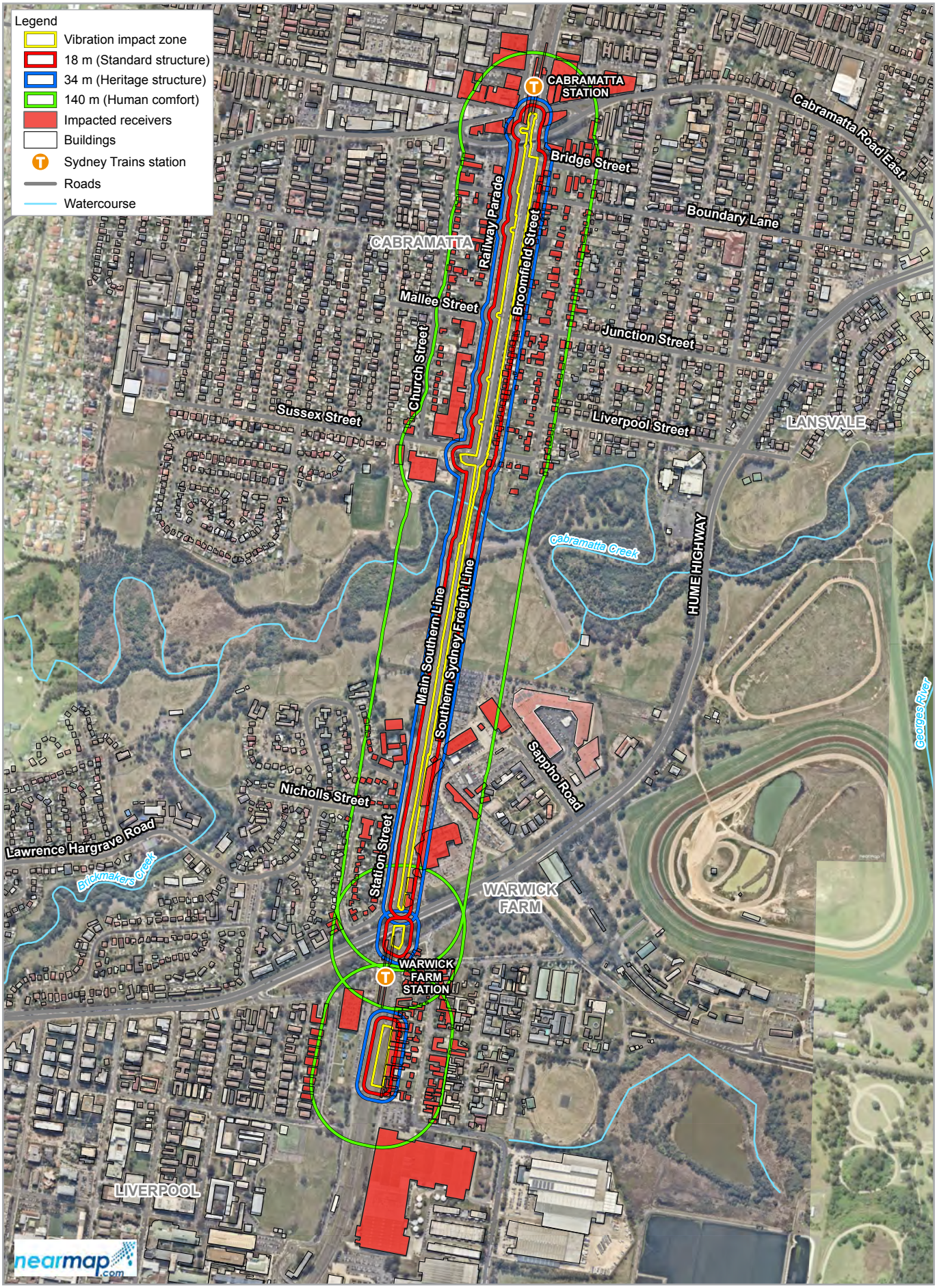
Impact piling has the potential to cause human comfort impacts within 700 metres of the works (2580 sensitive receivers). Impact piling would be extremely short term in duration and may not be required.

A total of 382 residential receivers within 140 metres of the proposed vibration intensive works have the potential to experience impacts on human comfort during operation of the vibratory roller.

Construction vibration would be intermittent and these impacts would not be continuous throughout the construction period. The mitigation measures in section 6 should be implemented where considered feasible and reasonable.

4.7.6 Vibration impacts on buried services

Note that in general, compliance with the guideline values for structural damage would result in compliance with the guideline values for buried pipework. Direct contact between the vibration intensive equipment and the buried pipework shall be avoided.



Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Vibration impact zones (15 tonne vibratory roller)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure 4-12

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\2219800_NVIA006_VibrationImpactZones_Roller_0
Print date: 11 Apr 2019 - 09:35

Data source: LPI: DTDB\DCDB, 2017. DPE: Land zoning, 2016.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Paper Size ISO A4

0 25 50 75 100

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Vibration impact zones (bored piling)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure 4-13

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\2219800_NVIA007_VibrationImpactZones_Piling_0
Print date: 11 Apr 2019 - 09:36

Data source: LPI: DTDB\DCDB, 2017. DPE: Land zoning, 2016.. Created by: tmorton

4.8 Summary of key findings

4.8.1 Construction noise

The six-staged construction methodology proposed for the project was separated into 13 distinct construction scenarios to assess potential construction noise impacts. All scenarios have been assessed against the NMLs during standard construction hours and for OOHW.

Construction noise impacts were assessed by considering the following:

- The number of expected impacts based on the total number of exceedances of the NMLs.
- The level of impact based on the maximum exceedance of the NML.

The expected impacts are summarised in Table 4-21 for each NCA. Exceedances of the construction NMLs are typical for construction projects and would be limited to the period of construction.

Compound operations at the Jacquie Osmond Reserve (C3) location are predicted to have a minor impact on receivers located in NCA01, NCA02 and NCA03. Receivers in NCA03 and NCA04 are expected to experience a higher degree of impact from the compound within the rail corridor (C1) as the compound is located directly adjacent to some receivers.

Table 4-21 Construction noise impact summary

NCA	Highest number of total exceedances	Highest level of exceedance (Most intrusive plant item)
NCA01	Road earthworks (CS03) Noise wall construction (CS06)	Noise wall construction (CS06) (Excavator with concrete rock breaker)
NCA02	Road earthworks (CS03) Noise wall construction (CS06)	Road pavement works (CS04) (Milling machine)
NCA03	Retaining wall installation (CS10) Track installation (CS12)	Vegetation removal and utility relocation (CS02) (Grinder and mulcher)
NCA04	Site establishment (CS01) Track installation (CS12)	Site establishment (CS01) (Crane, truck)

4.8.2 Construction traffic

Construction traffic along the primary access routes (Hume Highway, Cabramatta Road East) are not expected to generate road traffic noise impacts as these routes would have high existing traffic volumes.

Construction traffic movements along local roads should be managed with a construction traffic management plan to limit the degree of road traffic noise impacts.

4.8.3 Construction vibration

Vibration intensive plant and equipment may be used for construction of the road, noise wall and bridge. Equipment should be selected so that the safe working buffer distances identified in Table 4-20 are complied with.

A building dilapidation survey should be carried out for all structures located within the safe working buffer distances to identify whether the structure is considered structurally unsound.

If the structure is found to be structurally unsound, the vibration levels of the proposed equipment would be measured and used to confirm the buffer distances calculated as part of this assessment. If the structure is still located within the vibration safe working distances, then alternative equipment with lower vibration emissions (such as smaller compactors/rollers) would need to be considered. Construction vibration monitoring would be required if there are still structures located within the vibration safe working distances.

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5. Impact assessment – Operation

5.1 Methodology

5.1.1 Overview

The following methodology was utilised to assess the potential noise and vibration impacts associated with the operation of the project to address the SEARs:

- Identifying key NVSRs in the study area.
- Establishing noise and vibration assessment criteria at sensitive receivers.
- Identify the existing and proposed rail traffic volumes and speeds for the study area.
- Calculating L_{Aeq} and L_{Amax} noise levels using noise logger data obtained at the monitoring locations.
- Validating the operational noise model using the noise monitoring data.
- Modelling operational rail (L_{Aeq} and L_{AMax}) noise for the agreed (year opening 2023 and design year 2033) scenarios.
- Assessing operational rail noise predictions (L_{Aeq} and L_{AMax}) against the relevant RING trigger levels.
- Considering noise mitigation options where exceedances of the trigger levels are predicted.

Note that the predicted rail noise levels (termed the 'absolute rail noise levels') refers to noise levels emitted by rail only, that is without the contribution of any other noise source.

5.1.2 Noise modelling scenarios

Operational rail noise scenarios were developed to clearly identify noise levels resulting from:

- Existing rail operations on both the Sydney Trains and SSFL lines.
- Future rail operations with the inclusion of the project (passing loop).

'No build' scenarios were also developed to identify the likely future operational rail noise levels without the project. This enables the effect of the project to be clearly quantified.

The RING states that noise trigger levels are to be evaluated immediately after operations start and for a design year, typically 10 years later. Consequently, the following two assessment timeframes have been evaluated within the project's operational assessment study area:

1. Opening year: No build and build scenarios for the year in which project operations start following construction completion, 2023.
2. Design year: No build and build scenarios 10 years after project operations start, 2033.

Noise modelling was also completed to examine the existing noise environment and validate predictions. For this project, the existing operations were modelled for the year 2018.

The noise modelling scenarios used for the assessment are summarised in Table 5-1.

Table 5-1 Noise modelling scenarios

Time Frame	Build	No build
2018 – model for calibration against noise logger data	-	L_{Aeq}
2023 – Project opening year	L_{Aeq} and L_{Amax}	L_{Aeq} and L_{Amax}
2033 – Project design year	L_{Aeq} and L_{Amax}	L_{Aeq} and L_{Amax}

5.1.3 Noise modelling assumptions

Noise modelling was carried out in SoundPLAN version 7.4 using the Kilde130 Nordic Rail Traffic Noise prediction method (1984), in accordance with the guidance provided in the *ARTC Noise Prediction and Mitigation Guideline* (ARTC, 2018).

The noise modelling assumptions are detailed below.

Source noise levels and heights

Passenger and maximum freight source noise levels were derived from unattended measurements carried out at Logger L01, located north of the Warwick Farm Station. Individual passbys from the data were correlated with the Sydney Trains Wayside Information Management System (WIMS) at Warwick Farm to establish noise levels for different train types.

Freight rolling and locomotive engine/exhaust noise levels were sourced from the TfNSW rail noise database (RNDB, revision C). Wagons were assumed to be in good condition free of wheel defects while locomotives were assumed to be operating in the high notch setting. This is considered to be conservative as a review of the rail passby data from on-site measurements indicates that freight travelling down is unlikely to be operating in the high notch setting.

The modelled passenger and freight source noise levels are provided in Table 5-2. Source heights were assumed to be 0.5 metres from top of rail for rolling noise and four metres from top of rail for engine/exhaust noise.

Table 5-2 Adopted source noise levels

Train type	Reference conditions	SEL, dBA	$L_{Amax,95^{th}}$ percentile, dBA
Passenger – A-Set	80 km/h, at 15 m from track for a train length of 154.4 m (8 car)	86	81
Passenger – B-Set		86	81
Passenger – C-Set	80 km/h, at 15 m from track for a train length of 163.2 m (8 car)	89	85
Passenger – K-Set		89	87
Passenger – S-Set		88	87
Passenger – M-Set (8 car)	80 km/h, at 15 m from track for a train length of 161.6 m (8 car)	86	81
Passenger – M-Set (4 car)	80 km/h, at 15 m from track for a train length of 80.8 m (4 car)	84	81
Freight (Rolling noise)	80 km/h, at 15 m from track for a train length of 1000 m	97	88
Freight (Engine/exhaust noise) – High notch	80 km/h, at 15 m from track for a train length of 20 m (one locomotive)	90	90

Existing rail volumes, speeds and consists

Existing average daily rail traffic volumes and speeds along the Sydney Trains up and down lines were sourced from the WIMS located at Warwick Farm.

Existing rail volumes along the SSFL were partially provided by ARTC and partially derived from detailed passby analysis of the measured rail data at Cabramatta and Warwick Farm.

A summary of the existing volumes and average speeds on the Sydney Trains up and down lines is provided in Table 5-3 below (with the naming nomenclature of train set and number of carriages).

Passenger trains on the Sydney Train lines are provided in Table 5-2.

Freight train along the Sydney Train lines were calculated from the supplied WIMS data and are as follows:

- Up line: An average of one locomotive (day and night), 25 wagons (day) and 24 wagons (night)
- Down line: An average of one locomotive (day and night), 22 wagons (day) and 29 wagons (night)

Existing average daily volumes of 12 trains (day) and eight trains (night) for the SSFL were calculated from the supplied ARTC data, with an average speed of 60 kilometres per hour (km/h). Freight trains along the SSFL were also calculated from this data and are as follows:

- Day: Train length of 900 metres with two locomotives.
- Night: Train length of 750 metres with two locomotives.

Table 5-3 Existing daily day (15hr) and night (9hr) Sydney Trains up and down line volumes and speeds

Train type	Day (7.00 am to 10.00 pm)				Night (10.00 pm to 7.00 am)			
	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)
A8	50	50	76	75	22	23	76	74
B8	5	6	71	74	4	4	77	77
C8	6	5	70	71	2	1	70	71
K8	14	14	70	70	5	4	67	69
S8	16	16	70	70	5	3	69	73
M8	17	15	76	74	5	7	71	76
M4	21	22	75	74	2	2	75	55
Freight	4	3	46	53	2	4	54	59

Future rail volumes, speeds and consists

Future rail volumes for the Sydney Trains and SSFL lines were based on modelling undertaken by ARTC and Sydney Trains. The volumes were provided by ARTC and are reproduced in Table 5-4.

The ‘no build’ and ‘build’ rail volumes were assumed the same for the Sydney Trains lines.

The ‘no build’ and ‘build’ volumes for the opening year on the SSFL would remain the same; however, a proportion of the trains would be diverted through the passing loop.

Table 5-4 Future daily day (15hr) and night (9hr) Sydney Trains line volumes

Year	Train type	Day 7:00 am to 10:00 pm		Night 10:00 pm to 7:00 am	
		Up	Down	Up	Down
2023	Tangara	6	10	6	-
	SGT (B set)	40	40	11	12
	8 car Waratah	54	49	16	20
	4 car Millennium	22	22	3	3
	8 car Millennium	15	15	4	5
	Freight	5	3	2	5
2033	8 car Waratah	168	168	84	84
	Freight	5	3	2	5

Table 5-5 Future SSFL daily day (15hr) and night (9hr) volumes

Scenario	Train Type	Train Movements Per Weekday Period			
		Day 7:00 am to 10:00 pm		Night 10:00 pm to 7:00 am	
		Up	Down	Up	Down
At opening (No build)	Freight	15	15	9	9
At opening (Build)	Freight	15	15	9	9
10 years after opening (No build)	Freight	15	15	9	9
10 years after opening (Build)	Freight	22.5	22.5	13.5	13.5

Speeds for the opening and design years were modelled at the following speeds:

- Sydney Trains lines: 80 kilometres per hour (up, passenger), 100 kilometres per hour (down, passenger), 70 kilometres per hour (up, freight), 80 kilometres per hour (down, freight).
- SSFL and passing loop: 80 kilometres per hour.

Average future freight trains lengths were constructed from the data provided by ARTC and are as follows:

- Freight trains on the Sydney Trains up and down lines: Train length of 620 metres with one locomotive.
- Freight trains on the SSFL (and the passing loop): Train length of 1110 metres with two locomotives.

Track corrections and other noise sources

Noise modelling algorithms require track corrections for track features such as curves, turnouts, joints and bridges.

Existing bridges were identified in the study area between Warwick Farm and Cabramatta at the Broomfield Street and Sussex Street intersection. The bridges are ballasted concrete span with no side screens, so no source correction has been applied to the tracks for the existing and future scenarios as per *ARTC Noise Prediction and Mitigation Guideline* (ARTC, 2018).

The following additional sources of noise have been considered for the future build scenarios:

- Turnouts at tie-ins from the SSFL to the passing loop: Modelled with a +6 dB track correction over a 10 metre track section as per the *ARTC Noise Prediction and Mitigation Guideline.*

Model configuration

The following assumptions were made with regard to the model configuration:

- A ground absorption coefficient of zero was used.
- Fifty per cent of the total trains on the SSFL were assumed to use the passing loop. The impact of different passing loop volumes is considered in the sensitivity analysis presented in section 5.4.
- Idling noise was modelled with an indicative sound pressure level of 70 dB(A) at 15 metres. The impact of idling noise has been considered at the two tie-in signal locations. A total of four hours of idling (in a 24 hour period) has been assumed in the noise modelling. The impact of different idling durations is considered in the sensitivity analysis presented in section 5.4.
- Stretching/bunching noise may occur at the signal tie-ins when trains are forced to stop and start at the signals. Stretching/bunching noise is associated with wagon couplings and manifests as short-term noise peaks. Stretching/bunching noise was modelled with a LA_{max} sound power level of 121 dB(A) over a length of 150 metres (10 wagons entering/exiting the turnout) as one second duration events between each wagon. The impact of stretching/bunching noise has been considered at the two tie-in signal locations.
- Receivers were modelled at a height of 1.5 metres above ground (ground floor), with each additional floor modelled at an additional three metre height (ie first floor at 4.5 metres, second floor at 7.5 metres, etc.
- Building footprint data (including average building heights) were derived from LiDAR data.

5.2 Existing rail noise levels and model validation

Existing rail noise levels were calculated using the results from the baseline monitoring described in section 2.5. Existing 15 hour and nine hour noise levels were calculated based on the noise logger data obtained at locations L01, L02, L03, L04 and L07. The noise levels at locations L01 and L02 represent the absolute existing rail noise levels while at the remaining locations, the noise comprises both rail and extraneous noise (though dominated by rail noise).

Noise modelling was carried out for the existing 2018 scenario for comparison with the measured existing rail noise levels to confirm the model's accuracy and validity for assessing the subsequent modelling scenarios.

The validation was carried out across the entire monitoring period (two weeks), with rail movement data extracted from a detailed passby analysis at Cabramatta (L02) and Warwick Farm (L01) (in addition to the data supplied by ARTC).

Only the first four days of data from Warwick Farm (L01) was used for validation due to a noise logger malfunction. A detailed passby analysis was undertaken at L01 which indicated 977 passenger and 84 freight rail passbys across the four days. This is considered to be a sufficient number of passbys and does not compromise the quality of the data. Additionally, the overall railway noise levels across the four days were consistent and considered representative of the broader monitoring period. Table 5-6 presents the measured and modelled 2018 rail noise levels.

Table 5-6 Measured absolute existing rail noise levels and model validation

Location	Measured[2]		Modelled		Modelled-Measured	
	LAeq, 15hr	LAeq, 9hr	LAeq, 15hr	LAeq, 9hr	LAeq, 15hr	LAeq, 9hr
L01 – North of Warwick Farm Station[1]	64.0	63.0	64.6	61.3	+0.6	-1.7
L02 – South of Cabramatta Station	67.6	66.1	65.7	62.4	-1.9	-3.7
L03 – 225 Railway Parade	61.0	59.0	61	57.8	0.0	-1.2
L04 – 150 Broomfield Street	58.6	52.3	54.5	52.7	-4.1	+0.4
L07 – 27 Lawrence Hargrave Road	50.4	47.2	50.5	47.3	+0.1	+0.1

Note 1: Based on data gathered over the first four days of monitoring as the equipment malfunctioned after the fourth day.

Note 2: Measured noise levels at L01 and L02 represent the extracted rail noise contribution. Measured levels at L03 and L04 represent the ambient and rail noise contributions.

The modelled noise levels are, on average, within 2 dB of the measured noise levels across all logged locations. Two of the 10 total validation comparisons show poor agreement between the logged and modelled values; however, these outliers are due to extraneous factors:

- L02, nighttime: Modelled noise levels are predicted to be slightly lower at L02 due to the existence of a localised track defect which was observed in the measurement data. However, the effect of this defect is localised and the defect is likely to be removed in future track maintenance. As such, the defect has not been included as part of the opening and design year modelling.
- L04, daytime: Modelled noise levels at 150 Broomfield Street are predicted to be lower during the day time period due to extraneous noise sources such as road traffic noise along Broomfield Street and temporary local construction works in the area.

Overall, the model is considered to be validated and suitable for the prediction of future rail noise levels.

5.3 Operational rail noise results

Predicted operational noise levels at the worst affected façade of all sensitive receivers (all floors) are provided in Appendix J to Appendix L. A summary of these result are discussed below. Noise levels presented in the appendices include the cumulative noise levels from all tracks within the rail corridor as well as noise contributions from the Sydney Trains and ARTC lines.

Operational noise contours for all modelled scenarios are provided in Appendix M to Appendix O. All results include a +2.5 dB façade correction.

The predicted noise levels indicate that the removal of the existing noise wall on Broomfield Street would increase L_{Aeq} noise levels by up to 8 to 9 dB and L_{Amax} noise levels by up to 11 to 12 dB at residences located along Broomfield Street. These noise levels will be experienced by receivers along Broomfield Street during the period when the old noise wall is demolished and the new one is in the process of being constructed.

Therefore, a replacement noise wall has been considered. The location of the replacement noise wall would be slightly set back from the existing noise wall location due to the construction alignment of the project, as shown on Figure 5-1.

The height of the noise wall has been kept the same as the current noise wall.

Implementation of mitigation has been considered when L_{Aeq} noise levels are predicted to exceed the relevant day/night trigger levels and an increase by 2 dB or more from the no build scenario. Mitigation may also be considered where L_{Amax} levels are predicted to exceed 85 dBA and there is a predicted increase of 3 dB or more due to the project.

With a replacement noise wall in place, noise mitigation needs to be considered for one sensitive receiver:

- R2289 (106 Broomfield Street) – second floor only

The predicted noise levels and contributions at R2289 (second floor) for the design year (2033) have been extracted from the appendices and are reproduced in Table 5-7 for the day and night time periods.

Table 5-7 R2289 (Second floor, F2) predicted noise levels, dBA

Time period	Noise trigger level	No build 2033			Build 2033 (with replacement noise wall)			Increase (build minus no build)
		Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	
Day, 15 hour	65 dBA LAeq, 15 hour	64.5	61.0	62.0	67.0	63.9	64.2	2.5
Night, 9 hour	60 dBA LAeq, 9 hour	62.7	59.8	59.6	65.3	62.4	62.1	2.6
24 hour	85 dBA LAmax	84.3	-	-	88.2	-	-	3.9

The predicted total L_{Aeq} rail noise level at R2289 (F2) exceeds the day time noise trigger level by 2 dB and the night time noise trigger level by 5.3 dB. The predicted L_{Amax} rail noise level also exceeds the trigger level by 3.2 dB.

Furthermore, rail noise levels are predicted to increase between the 'build' and 'no build' scenarios by 2.5 dB ($L_{Aeq, 15\ hour}$), 2.6 dB ($L_{Aeq, 9\ hour}$) and 3.9 dB ($L_{Amax, 24\ hour}$).

A detailed breakdown of sources contributing to the increase in noise levels at R2289 (F2) is presented below in Table 5-8 for the night-time period which has the largest incremental exceedance of the noise trigger level.

Table 5-8 R2289 (F2) noise source contributions – LAeq, 9 hour (night), dBA

Source contribution	No build 2033	Build 2033, with replacement noise wall
Sydney Trains up and down line - passenger (rolling noise)	58.7	61.5
Sydney Trains up and down line - freight (rolling noise)	50.5	53.9
Sydney Trains up and down line - freight (engine/exhaust noise)	49.6	49.6
ARTC SSFL (rolling noise)	54.8	57.6
ARTC SSFL (engine/exhaust noise)	57.9	59.8
ARTC SSFL (idling)	-	46.8
Total	62.7	65.2
Total (with idling)	**62.7**	**65.3**

The table above shows that the increase in noise levels would be due to the following:

- Increase in rolling noise contributions from the Sydney Trains lines as a result of shifting the existing noise wall location
- Increase in rolling and engine/exhaust noise contributions from the ARTC line as a result of the project and shifting the existing noise wall location.

Noise mitigation options for R2289 (F2) are discussed below.

5.3.1 Operational rail noise mitigation

The night time period is considered to be the determining time period for noise mitigation as the night-time period has the largest incremental exceedance (5.3 dB) of the noise trigger level.

The RING states that *"if the trigger levels are likely to be exceeded…Determine the feasible and reasonable mitigation measures that could be implemented to reduce noise to reach the absolute trigger levels"*.

Section 3.3.6 of the RING identifies potential mitigation measures such as at source controls (alternative track alignments, controlling rail traffic, speeds, type of rolling stock, etc.), path controls (e.g. noise barriers) and at receiver controls (e.g. architectural treatment).

Source noise controls such as operational restrictions are not considered to be reasonable and feasible for this project.

Increasing the height of the replacement noise barrier adjacent to receiver R2289 was investigated as a potential path control. An additional increase in barrier height of up to two metres was not sufficient to reduce the noise levels to below the trigger levels at the second floor of R2289. Additional barrier height increases were not considered to be reasonable as they would increase the barrier height above six metres.

Therefore, potential receiver controls such as architectural treatments would need to be considered. The RING acknowledges that *"in the case of multi-level residential buildings, the external point of reference for measurement for the trigger is the two floors of the building most exposed to rail noise. On other floors, an internal noise level value 10 dB below the relevant external noise level value applies on the basis that windows that can be opened can do so sufficiently to provide adequate ventilation*" and *"treating the façade of residential buildings where night-time noise levels are the major concern to reduce internal noise levels in sleeping areas."*

A review of receiver R2289 confirms that it is a multi-storey apartment block with balconies facing Broomfield Street and the rail corridor. During detailed design phase, it is recommended

that a site visit should be undertaken to confirm the apartment layout and determine specific architectural treatments.

5.4 Model sensitivity analysis

5.4.1 Sensitivity to passing loop volumes

All trains on the SSFL (45 day and 27 night) were modelled as either on the SSFL or on the passing loop to establish the sensitivity of volume splits between the two.

The results indicate the following:

- The change in noise levels between the two cases (all trains on the SSFL vs. all SSFL trains on the passing loop) ranges between +2.1 dB to -1.4 dB (day) and +2.0 dB to -1.2 dB (night), with an average difference of -0.3 dB (both the day and nighttime periods). As the impacts depend on the location of the receiver, the final modelling has assumed a 50/50 split between the SSFL and the passing loop.

5.4.2 Locomotive idling sensitivity

Idling noise from a locomotive has been considered at the two turnout signals where the passing loop ties into the SSFL.

A sensitivity analysis (average and maximum increase across the study area) was performed to illustrate the contribution from idling to the overall noise levels. The analysis indicates that the contribution from idling to the overall noise levels is negligible.

Table 5-9 Idling duration and sensitivity

Idle time (1 locomotive) (minutes) (nighttime period) (minutes)	Average increase (2033 night), dB	Max increase (2033 night), dB
20	0	0.1
40	0	0.2
60	0	0.3
80	0	0.4
100	0	0.5
120	0	0.6
140	0	0.7
160	0	0.8
180	0	0.9
200	0.1	1
220	0.1	1
240	0.1	1.1

It should be noted that the 240 minutes above implies that a train is idling for four hours of the entire nine hour nighttime period. This is considered extremely unlikely and the final modelling assumes a realistic worst case of four hours of idling time split between the day and nighttime periods. It should also be noted that only one of the two tracks would be in use (likely leading to a reduced number of movements and additional shielding of operational rail noise caused by the stationary train) with a train idling on the SSFL or the passing loop.

In general, the negligible impact of idling occurs due to the existing high noise contributions from the Sydney Trains and SSFL lines in the area. Overall, the impact of idling is not considered to be significant.

5.4.3 Stretching/bunching noise

The predicted maximum noise levels from stretching/bunching are generally lower than the predicted maximum freight locomotive engine/exhaust noise levels at the majority of the modelled sensitive receivers.

However, an additional marginal L_{max} increase of 0 to 1 dB is predicted at some sensitive receivers due to the change in train behaviour and the subsequent stretching/bunching noise generated due to trains slowing down at the passing loop entry and exit points.

Paper Size ISO A4

0 80 160 240 320

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Existing and proposed noise wall location

Project No. **22-19800**
Revision No. **0**
Date **12/04/2019**

Figure 5-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_0.aprx\2219800_NVIA004_Noise_Wall_Locations_0
Print date: 12 Apr 2019 - 08:57

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

5.5 Operational ground-borne noise and vibration

Vibration and ground-borne noise from the operation of heavy rail infrastructure can adversely affect sensitive receivers located near a rail line. Vibration can cause buildings, windows and other fixtures to shake; contribute to annoyance and impacts on residents and other land uses; and interfere with vibration-sensitive equipment. Vibration can also be regenerated as ground-borne noise inside a building.

Building damage is not usually likely for operation of rail infrastructure; however, annoyance can occur at significantly lower vibration levels, which are often only slightly higher than the limits of human perception.

Human comfort goals and ground-borne noise trigger levels provide the controlling criteria for operational ground-borne noise and vibration for the project.

The level of vibration at a receiver is usually a function of the energy of the vibration source, the propagation through the ground and the coupling of the ground to the receiver, structure or building.

Vibration generation from rail traffic is generally a function of the following:

- wheel-rail interface including wheel defects, acceleration and braking
- the quality of the rail
- track geometry
- variations in sleepers and ballast
- axle load
- geometry and composition of the train
- Speed.

Soil further influences propagation and perception of vibration, geological conditions and building characteristics including the following:

- soil stiffness
- ground internal damping
- depth of bedrock
- depth of water table
- building mass
- building coupling to the ground
- propagation of vibration through the building.

5.5.1 Operational vibration assessment

The US Federal Transit Administration's '*Transit Noise and Vibration Impact Assessment'* report provides a method for estimating the ground surface vibration levels near rail lines. The process involves selecting a base curve for typical ground surface vibration levels. The base curve assumes rail equipment is in good condition and operating at speeds of 80 km/h. Correction factors are then applied to account for different speeds, geological conditions, etc.

The report notes that vibration levels are about proportional to 20 $\log_{10}$ (speed/$\text{speed}_{\text{ref}}$), although the relationship can be as low as 10 to 15 $\log_{10}$ (speed/$\text{speed}_{\text{ref}}$). A speed relationship of 20 $\log_{10}$ (speed/$\text{speed}_{\text{ref}}$) has been adopted for this assessment.

Vibration levels may increase slightly for the project due to the passing loop being slightly closer to residential receivers on the eastern side of the corridor.

The Federal Transit Administration's base curve for locomotive-powered freight/passenger trains derived the distance attenuation relationship of ground vibration measurements. Vibration measurements from similar rail projects undertaken by GHD can be seen on Figure 5-2. Note that these values have been adjusted to the reference speed of 80 kilometres per hour, using the 20 $\log_{10}(\text{speed}/\text{speed}_{ref})$ relationship.

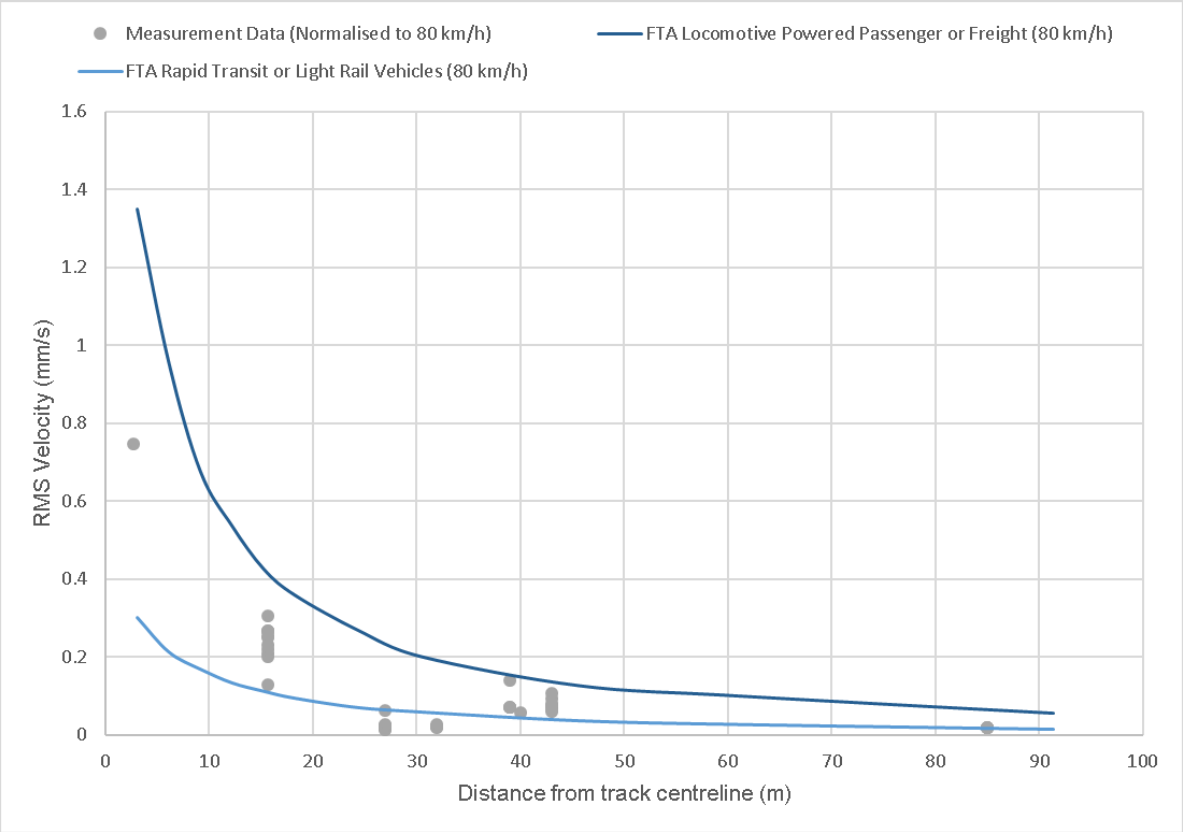

Figure 5-2 Rail ground vibration levels

Vibration measurements are highly variable and are largely dependent on local geological conditions. Track irregularities may also significantly increase vibration levels (for example, at crossovers and joints). A significant variation in vibration levels for similar systems are not uncommon and the FTA curves represent the upper range of measurement data for well maintained systems. The measured vibration data presented on Figure 4-9 are consistently lower than that upper-range vibration curve from the FTA guideline. As such, the use of levels from the FTA locomotive curve are expected to provide a conservative estimate of vibration levels.

For the purposes of this assessment, the track has been assumed to be in good condition and track irregularities have not been assessed. An assessment of these factors would be completed once the detailed design has been finalised and during periodic track inspections and maintenance.

5.5.2 Human comfort assessment

Human comfort for operational vibration has been assessed in accordance with British Standard BS 6742-1:1992. The Vibration Dose Value (VDV) provides a cumulative descriptor of the vibration level received for a given period.

BS 6472 provides a method to calculate the estimated VDV using Root Mean Square (RMS) vibration velocity. The estimated VDV is calculated as:

$$eVDV = 0.07 \times V_{rms} \times t^{0.25} \ (m/s^{1.75})$$

Where t= duration of the event.

The eVDVs for this project have been estimated by adjusting vibration levels for speed, duration and distance from the track.

The following assumptions have been made:

- Maximum train lengths as specified in section 5.1.3
- Maximum train speeds as specified in section 5.1.3
- Track in good condition with no track irregularities
- Train volumes specified in section 5.1.3

These assumptions are expected to provide a conservative estimate of future vibration levels. The predicted future eVDV values for day and nighttime along both the eastern and western sides of the rail corridor, including the respective residential criteria are provided on Figure 5-3 to Figure 5-6. The residential criteria is met at the following distances:

- On the eastern side of the rail corridor, at 13 metres (day) and 18 metres (night).
- On the western side of the rail corridor, at 9 metres (day) and 13 metres (night).

The AVTG does not specify human comfort vibration criteria for commercial sensitive receivers (refer to Table 3-10). This assessment conservatively adopts an intermittent vibration dose value of 0.6 $m/s^{1.75}$ for commercial spaces. This value is the mid point of the values specified in the AVTG for offices (0.4 $m/s^{1.75}$) and workshops (0.8 $m/s^{1.75}$). The adopted commercial criteria is met at the following distances:

- On the eastern side of the rail corridor, at 4 metres (day) and 3.5 metres (night).
- On the western side of the rail corridor, at 3 metres (day) and 2.5 metres (night).

The buffer distances are higher on the eastern side of the rail corridor due to the closer proximity of the SSFL and the passing loop, which carry the majority of the freight trains within the corridor.

No residential or commercial sensitive receivers have been identified within the human comfort vibration buffer distances.

5.5.3 Structural vibration impacts

The human comfort vibration criteria is more stringent than the structural damage criteria. As no residential receivers have been identified within the human comfort vibration buffer distances, structural vibration impacts at residential sensitive receivers are not anticipated as a result of the project.

The structural damage vibration criteria for commercial structures has been adopted as 20 mm/s (refer to Table 3-14) and is significantly higher than the residential structural damage criteria. Vibration from freight trains has been measured at 4-5 mm/s at 6 metres in the study area. Therefore, vibration levels at commercial receivers would be significantly below 20 mm/s and structural impacts on commercial structures are not anticipated as a result of rail operations.

There is the potential for vibration impacts at heritage bridges during operation due to an increase in train volumes. However, given the existing use of the heritage bridges by Sydney Trains and the use of the adjacent SSFL this impact is difficult to quantify. A dilapidation survey

would be undertaken during construction to assess the structural integrity of the heritage listed bridges. If this survey notes there is structural damage to the bridges then there may be a need for a structural assessment to be undertaken to assess potential impacts due to vibration from trains.

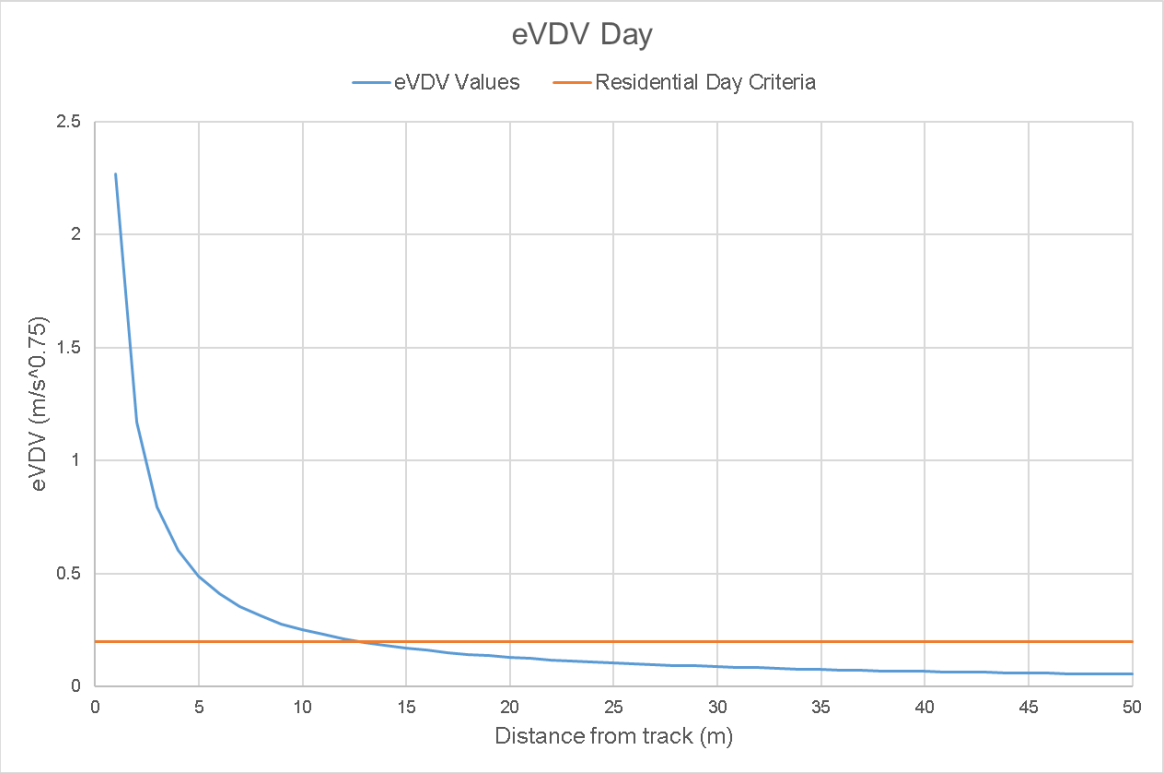

Figure 5-3 Daytime VDV levels (2033) – East of rail corridor

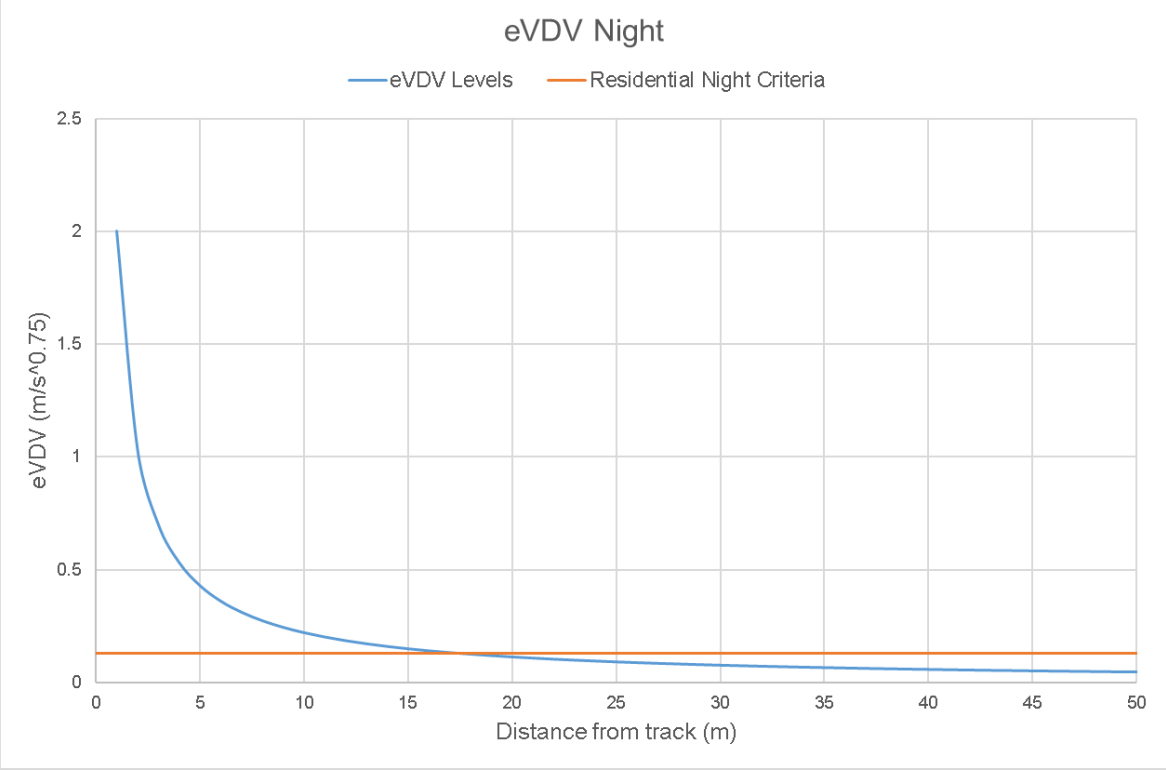

Figure 5-4 Nighttime VDV levels (2033) – East of rail corridor

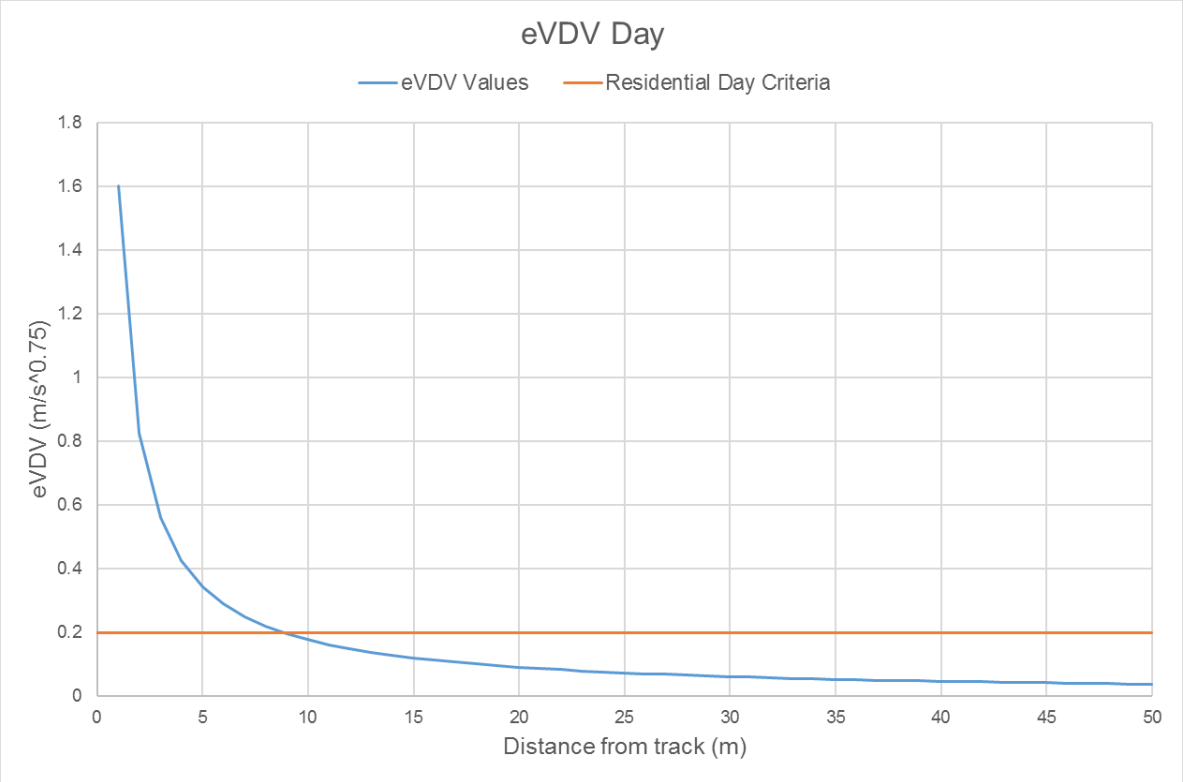

Figure 5-5 Daytime VDV levels (2033) – West of rail corridor

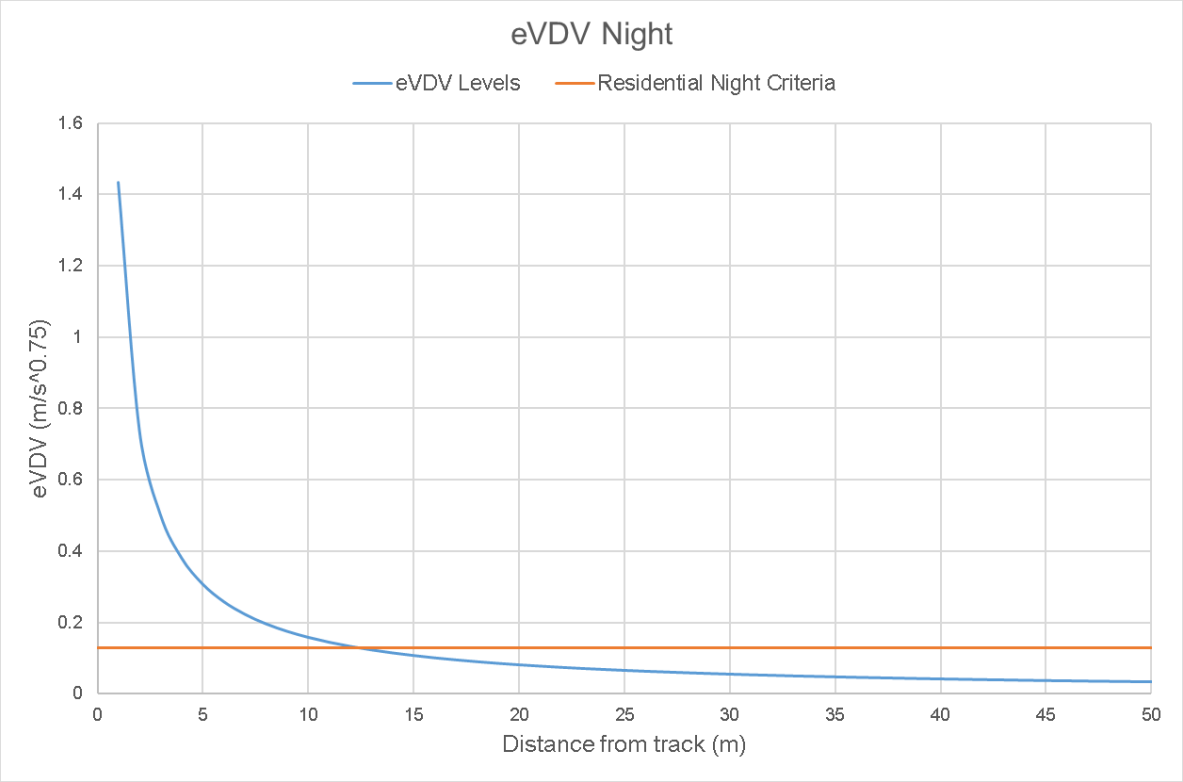

Figure 5-6 Nighttime VDV levels (2033) – West of rail corridor

5.5.4 Ground-borne noise

Ground-borne noise from can be generated nside a building by vibration generated from the pass-by of the rail vehicle. Operational ground-borne noise is assessed in accordance with the RING. The ground-borne noise trigger levels for an existing railway allow an increase of less than 3 dBA assessed as a maximum pass-by event.

A screening level ground-borne noise assessment has been undertaken to confirm if ground-borne noise levels are likely to increase by 3 dBA or more. The passing loop is shifting the SSFL up to 5 m closer to the residential receivers. The RING requires the increase in noise to be calculated to a single decimal place. Note that the criteria is a L_{ASmax} criteria and independent of rail volumes. Based on the FTA curves (Figure 5-2) and the change in distance between the new and existing tracks, the increase in ground-borne noise is predicted to be 2.5 dBA at the nearest sensitive receiver. The largest increase in ground borne noise would occur at the nearest residential receiver where the relative change in distance of the new track is greatest. As such all other receivers further set back are predicted to have an increase in ground-borne noise less than these values.

The predicted increase in ground-borne noise based on the screening assessment is less than 3 dBA therefore there would not be an exceedance of the ground-borne criteria as idefntified in the RING.

Furthermore ground-borne noise levels are relevant only where they are higher than the airborne noise from railways and where the ground-borne noise levels are expected to be, or are, audible within habitable rooms. For an existing heavy rail corridor airborne noise is expected to be the dominant noise source from the project and significantly higher than any ground-borne noise contributions.

5.6 Summary of key findings

5.6.1 Operational noise

Operational noise levels were predicted for the existing (2018), opening (2023) and design years (2033).

The existing noise levels were used to validate the noise model. The modelled noise levels were found to be, on average, within 2 dB of the measured noise levels at all locations. Overall, the model is considered to be validated and suitable for the prediction of opening and design year noise levels.

An existing noise wall exists along Broomfield Street will be replaced with a similar noise wall constructed as part of the project. The predicted ‘no build’ and ‘build’ design year (2033) noise levels (with the reconstructed noise wall) indicate that noise mitigation needs to be considered for one sensitive receiver.

The receiver is located on the second floor of the property at 106 Broomfield Street in NCA02. During detailed design phase, it is recommended that a site visit should be undertaken to confirm the apartment layout and determine specific architectural treatments.

5.6.2 Operational vibration

Operational vibration results indicate that no residential or commercial sensitive receivers fall within the vibration buffer distances, so specific operational vibration mitigation strategies are not required for the project.

A dilapidation survey will be undertaken prior to construction to assess the structural integrity of heritage bridges located in the study area.

5.6.3 Operational ground-borne noise

Operational ground-borne noise results indicate that no residential receivers exceed the trigger noise levels, so specific operational ground-borne noise mitigation strategies are not required for the project.

6. Recommended mitigation measures

6.1 Construction noise

6.1.1 Standard mitigation measures

Table 6-2 provides the standard mitigation recommendations to reduce the noise levels from the construction activities.

Table 6-1 Standard construction noise mitigation measures

Stage	Impact	Measure
Design/pre-construction	General impacts of construction activities on sensitive receivers	A CNVMP will be prepared by the contractor and implemented as part of the CEMP. It will include measures to minimise the potential for noise and vibration impacts on the community, including those listed in this EIS. It will also consider relevant noise mitigation measures and notification procedures outlined in ARTC's EPL #3142. The CNVMP would be developed in consultation with Liverpool City Council, Fairfield City Council Roads and the EPA.
Design/pre-construction	Noise impacts during out of hours work	An out of hours protocol will be developed as part of the CNVP. It will at a minimum: • provide a process for the consideration of out of hours work against the relevant noise and vibration criteria • document procedures to manage potential impacts • identify responsibilities for implementation and management including managing complaints.
Construction	Noise impacts during sensitive periods	Where feasible and reasonable, construction will be carried out during the standard daytime working hours. The use of highly intensive noise and vibration generating equipment (such as jack and rock hammering, sheet and pile driving, rock breaking and vibratory rolling) less sensitive times (e.g. the middle of the day).
	Noise impacts from continuous activities.	Highly intensive noise and vibration generating equipment (such as jack and rock hammering, sheet and pile driving, rock breaking and vibratory rolling) will only be used in continuous blocks not exceeding three hours each, with a minimum respite period of one hour between each block. 'Continuous' includes any period during which there is less than one hour respite between ceasing and recommencing any of the work. Additionally, this equipment will not be used for more than two consecutive nights over any seven day period adjacent to the same sensitive receivers, unless otherwise approved by the relevant authority.
	Noise impacts from worker activities	All employees, contractors and subcontractors are to receive an environmental induction. The induction will include at least:

Stage	Impact	Measure
		• All relevant project specific and standard noise and vibration mitigation measures • Relevant licence and approval conditions • Permissible hours of work • Any limitations on noise generating activities with special audible characteristics • Location of nearest sensitive receivers • Construction employee parking areas • Designated loading/unloading areas and procedures • Site opening/closing times (including deliveries) Environmental incident procedures.
	Noise impacts from worker activities	While on site, construction workers will refrain from: • Swearing or unnecessary shouting or loud stereos/radios on site • Dropping of materials from height, throwing of metal items and slamming of doors • Excessive revving of plant and vehicle engines • Uncontrolled release of compressed air.
	Construction traffic noise	Traffic flow, parking and loading/unloading areas will be planned to minimise reversing movements within the site.
	Construction traffic noise	Loading and unloading of materials/deliveries will occur as far as possible from sensitive receivers. Site access points and roads will be selected as far as possible away from sensitive receivers. Dedicated loading/unloading areas will be shielded if close to sensitive receivers, where reasonable and feasible. Delivery vehicles will be fitted with straps rather than chains for unloading, wherever possible.
	Construction traffic noise	Route vehicle movements will be scheduled away from sensitive receivers and during less sensitive times, where possible. The speed of vehicles will be limited within and approaching construction compounds The use of engine compression brakes will be avoided during night time periods, where possible On-site storage capacity will be maximised to reduce the need for truck movements during sensitive times.
	Construction noise and vibration	Quieter and less vibration emitting construction methods and equipment will be used where feasible and reasonable. For example, when piling is required, bored piles rather than impact-driven piles will minimise noise and vibration impacts. Similarly, diaphragm wall construction techniques, in lieu of sheet piling, will have significant noise and vibration benefits.
	Construction noise and vibration	Where practicable, materials will be pre-fabricated and/or prepared off-site to reduce noise with special

Stage	Impact	Measure
		audible characteristics occurring on site. Materials can then be delivered to site for installation.
	Noise from construction equipment	The noise of plant and equipment must have operating Sound Power or Sound Pressure Levels compliant with the allowable noise levels.
	Noise from construction equipment	The offset distance between noisy plant and adjacent sensitive receivers will be maximised. Plant used intermittently will be throttled or shut down. Noise-emitting plant will be directed away from sensitive receivers.
	Noise from construction equipment	Non-tonal reversing beepers (or an equivalent mechanism) will be fitted and used on all construction vehicles and mobile plant regularly used on site and for any out of hours work, including delivery vehicles.
	Noise from construction equipment	Noise from mobile plant will be reduced where possible, through additional fittings including: • Residential grade mufflers • Damped hammers such as 'City' Model Rammer Hammers • Air parking brake engagement silenced.
	Noise from construction equipment	The use of engine compression brakes will be limited at night and in residential areas. Vehicles will be fitted with a maintained original equipment manufacturer exhaust silencer that complies with the National Transport Commissions 'in-service test procedure' and standard.
	Noise impact from compound (C1)	Use of the construction compound (C1) near Warwick Farm Station will where practicable, be limited to standard hours only with the exception of plant storage and material delivery.
	Noise from construction compounds	Stationary noise sources will be enclosed or shielded where practicable, to ensure that the occupational health and safety of workers is maintained. Appendix F of AS 2436:1981 lists materials suitable for shielding.
	Noise from construction compounds	Structures will be used to shield residential receivers from noise where practicable such as site shed placement; earth bunds; fencing; erection of operational stage noise barriers (where practicable) and consideration of site topography when situating plant.
	Construction noise resulting in highly intrusive levels	A noise monitoring program will be carried out for the duration of works at sensitive receivers identified as experiencing highly intrusive noise levels and as a result of complaints received, in accordance with the CEMP and any approval and licence conditions.
	Vibration impacts on heritage sites: Villawood Railway Station Group and	The signalling works will be located outside of vibration buffer distances.

Stage	Impact	Measure
	Liverpool Railway Station Group	
	Vibration impacts on structures.	Attended vibration measurements of vibration generating equipment (e.g. bored piling, vibratory rolling works) will be undertaken. This will confirm the minimum working distances for vibration intensive activities prior to works near the sensitive structures located within the vibration buffer distances identified in Figure 4-12 and Figure 4-13 provided in Technical Report 2.
	Vibration impacts on structures	Building dilapidation surveys will be carried out on all structures located within the vibration buffer distance prior to major project construction activities with the potential to cause property damage.

6.1.2 Additional mitigation measures

Table 6-2 provides the project specific mitigation recommendations to reduce the noise levels from the construction activities.

Table 6-2 Project specific construction noise mitigation measures

Impact	Details
Management measures	
Concern from local residents and stakeholder relating to noise impacts from the project	Refer to Table 6-3 and Table 6-4 and for specific stakeholder consultation measures relevant to the project and the recievers predicted to be impacted.
Construction noise resulting in highly intrusive levels	A noise monitoring program will be carried out for the duration of works at sensitive receivers identified as experiencing highly intrusive noise levels and at complainant properties, in accordance with the CEMP and any approval and licence conditions.
Vibration impacts on heritage sites: Villawood Railway Station Group and Liverpool Railway Station Group	The proposed signalling works will be located outside of vibration buffer distances, where possible.
Vibration impacts on structures	Attended vibration measurements of vibration generating equipment (e.g. bored piling, vibratory rolling works) will be undertaken prior to works near the sensitive structures located within the vibration buffer distances identified in Figure 4-12 and Figure 4-13. This will confirm the minimum working distances for vibration intensive activities.
Vibration impacts on structures including heritage items	Building dilapidation surveys will be carried out on all structures located within the vibration buffer distance prior to major project construction activities with the potential to cause property damage.
Vibration impacts on heritage sites: Cabramatta (Cabramatta Creek), Railway Parade and Sussex Street Underbridge	Where building dilapidation surveys indicate that the heritage listed bridges are unsound, then the conservative criteria of 3.0 mm/s provided by DIN 4150-3 should be used for equipment used within the vibration buffer distances.

ARTC's *Noise Prediction and Mitigation Guideline* (ARTC, 2018) does not specify specific construction noise mitigation measures. Therefore, the TfNSW CNVS has been adopted to determine potential additional construction noise mitigation measures. It should be noted that the mitigation measures listed in the TfNSW CNVS have also been adopted by the Roads and Maritime Services in *Construction Noise and Vibration Guideline* (RMS, 2016) and are considered the standard for recommending additional construction noise mitigation measures in New South Wales.

The TfNSW CNVS provides the following mitigation measures for certain receivers exceeding NMLs, which are presented in Table 6-3. The Additional Mitigation Measures Matrices (AMMM) will be used to determine the additional measures after the application of standard mitigation measures, where reasonable and feasible. The triggers for impacted recievers to require the additional management measures are outlined in Table 6-4.

Table 6-3 Additional management measures for receivers exceeding NMLs

Measure	Description	Abbreviation
Periodic notification	For each construction stage, a notification entitled 'Project Update' or 'Construction Update' will be produced and distributed to stakeholders via letterbox drop and distributed to the project postal and/or email mailing lists. Periodic notifications will provide an overview of current and upcoming works across the project and other topics of interest. The objective is to engage, inform and provide project-specific messages. Advanced warning of potential disruptions (eg traffic changes or noisy works) can assist in reducing the impact on stakeholders. The approval conditions for projects specify requirements for notification to sensitive receivers where works may impact them. Most projects distribute notifications on a monthly basis. Each notification is designed within a branded template. In certain circumstances, media advertising may also be used to supplement periodic notifications, where considered effective. The Community Engagement Team may be advised in cases where AMMMs are not triggered for periodic notifications, for example where community impacts extend beyond noise and vibration (traffic, light spill, parking etc). In these circumstances, the Community Engagement Team will determine the community engagement strategy on a case-by-case basis.	PN
Verification monitoring	Verification monitoring of noise and/or vibration during construction will be conducted at the affected receiver(s) or a nominated representative location (typically the nearest receiver where more than one receiver has been identified). Monitoring can be in the form of either unattended logging (ie for vibration provided there is an immediate feedback mechanism such as SMS capabilities) or operator attended surveys (ie for specific periods of construction noise). The purpose of monitoring is to confirm that: • Construction noise and vibration from the project are consistent with the predictions in the noise assessment • Mitigation and management of construction noise and vibration is appropriate for receivers affected by the works. Where noise monitoring finds that the actual noise levels exceed those predicted in the noise assessment, then immediate refinement of mitigation measures may be required and the Construction Noise and Vibration Impact Statement (CNVIS) amended.	V
Specific notification	Specific notifications in the form of a personalised letter or phone call to identified stakeholders will be provided no later than seven calendar days ahead of construction activities that are likely to exceed the noise objectives. Alternatively (or in addition to), communications representatives from the contractor would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities and provide an individual briefing. • Letters may be letterbox dropped or hand distributed. • Phone calls provide affected stakeholders with personalised contact and tailored advice, with the opportunity to provide comments on the proposed work and their specific needs.	SN

Measure	Description	Abbreviation
	• Individual briefings used to inform stakeholders about the impact of noisy activities and the mitigation measures implemented. Individual briefings provide affected stakeholders with personalised contact and tailored advice, with the opportunity to comment on the project. Specific notifications used to support periodic notifications, or to advertise unscheduled works.	
Respite offer	Respite offer may be provided to residents subjected to lengthy periods of noise or vibration. The purpose of a project specific respite offer is to provide residents subjected to lengthy periods of noise or vibration respite from an ongoing impact. This measure is determined on a case-by-case basis.	RO
Alternative accommodation	Alternative accommodation options may be provided for residents living in close proximity to construction works that are likely to incur unreasonably high impacts. Alternative accommodation will be determined on a case-by-case basis and should provide a like-for-like replacement for permanent residents, including provisions for pets, where reasonable and feasible.	AA
Alternative construction methodology	Where the vibration assessment identifies that the proposed construction method has a high risk of causing structural damage to buildings near the works, the proponent will need to consider alternative construction options that achieve compliance with the vibration management levels (VMLs) for building damage. For example, replace large rock breaker with smaller rock breakers or rock saws.	AC
Respite period	OOHW during evening and night periods will be restricted so that receivers are not impacted for more than three consecutive evenings and not more than two consecutive nights in the same NCA in any one week. A minimum respite period of four evenings/five nights will be implemented between periods of consecutive evening and/or night works. Strong justification must be provided where it is not reasonable and feasible to implement these period restrictions (eg to minimise impacts on rail operations). Note: this management measure does not apply to OOHW Period 1 – Day.	RP
Duration Reduction	Where respite periods (see management measure above) are considered counterproductive to reducing noise and vibration impacts on the community, it may be beneficial to increase the number of consecutive evenings and/or nights through duration reduction to minimise the duration of the activity. Impacted receivers must be consulted and evidence of community support for the duration reduction provided as justification. A community engagement strategy must be agreed with and implemented in consultation with Community Engagement Representatives.	DR

The CNVS outlines the various trigger levels to warrant these mitigation measures, as presented below in Table 6-4.

The predicted noise levels for each receiver and any additional noise mitigation measures are presented in Appendix D. Construction noise management zones have been mapped and are provided in Appendix F to Appendix I.

The predicted construction noise levels in Appendix D have been categorised into the noise perception categories to determine the additional mitigation measures required in accordance

with the CNVS. The number of residential receivers that require additional mitigation measures for each modelled construction scenario is provided in Table 6-5.

Table 6-4 Triggers for additional mitigation measures – Airborne noise

Construction hours	Receiver perception	dBA above RBL	dBA above NML	Additional management measures
Standard hours Monday – Friday (7.00 am – 6.00 pm) Saturday (8.00 am – 1.00 pm)	Noticeable	5 to 10	0	-
	Clearly audible	> 10 to 20	< 10	-
	Moderately intrusive	> 20 to 30	> 10 to 20	PN, V
	Highly intrusive	> 30	> 0	PN, V
	75 dBA or greater	N/A	N/A	PN, V, SN
OOHW Period 1 Monday – Friday (6.00 pm – 10.00 pm) Saturday (7.00 am – 8.00 am, 1.00 pm – 10.00 pm) Sunday/PH (8.00 am – 6.00 pm)	Noticeable	0 to 10	< 5	-
	Clearly audible	> 10 to 20	5 to 15	PN
	Moderately intrusive	> 20 to 30	> 15 to 25	PN, V, SN, RO
	Highly intrusive	> 30	> 25	PN, V, SN, RO, RP[1], DR[1]
OHW Period 2 Monday – Saturday (12.00 am – 7.00 am, 10.00 pm – 12.00 am) Sunday/PH (12.00 am – 8.00 am, 6.00 pm – 12.00 am)	Noticeable	0 to 10	< 5	PN
	Clearly audible	> 10 to 20	5 to 15	PN, V
	Moderately intrusive	> 20 to 30	> 15 to 25	PN, V, SN, RP, DR
	Highly intrusive	> 30	> 25	PN, V, SN, AA, RP, DR

Note 1: Respite periods and duration reduction are not applicable when works are carried out during OOHW Period 1 Day only.

Table 6-5 Number of receivers identified for additional mitigation measures

ID	Description	Standard construction hours			OOHW Period 1						OOHW Period 2			
					Day			Evening			Night			
		MI	HI	HNA	CA	MI	HI	CA	MI	HI	N	CA	MI	HI
		11-20 dBA	> 20 dBA	≥ 75 dBA	6-15 dBA	16-25 dBA	> 25 dBA	6-15 dBA	16-25 dBA	> 25 dBA	0-5 dBA	6-15 dBA	16-25 dBA	> 25 dBA
CS01	Site establishment	26	13	7	157	26	13	164	26	13	925	516	84	20
CS02	Vegetation removal and utility relocation	286	101	28	742	286	101	791	292	105	724	1525	549	272
CS03	Road earthworks (Stage 1/2)	304	154	79	1011	304	154	1056	312	161	590	1652	676	357
CS04	Road pavement works (Stage 1/2)	209	117	59	622	209	117	704	234	121	922	1378	419	257
CS05	Road furniture installation (Stage 1/2)	38	35	11	108	38	35	113	38	35	237	271	81	54
CS06	Noise wall construction (Stage 2)	303	154	71	1033	303	154	1082	314	164	543	1713	700	352
CS07	Bridge construction pre-work (Stage 3)	31	7	3	233	31	7	273	33	7	771	1018	124	28
CS08	Bridge construction works (Stage 3)	38	10	4	370	38	10	449	41	10	920	1199	185	38
CS09	Bridge rail installation (Stage 3)	5	3	0	32	5	3	32	5	3	291	96	24	6
CS10	Retaining wall installation (Stage 4)	107	17	0	1171	107	17	1267	109	17	672	1961	536	64
CS11	Track construction (Stage 5)	190	69	20	565	190	69	580	204	72	910	1137	385	167
CS12	Track installation (Stage 5)	389	172	73	1175	389	172	1235	405	179	456	1642	763	389
CS13	Finishing and rehabilitation (Stage 6)	15	10	7	100	15	10	100	15	10	578	291	46	17

Notes:
N refers to Noticeable
CA refers to Clearly Audible
MI refers to Moderately Intrusive
HI refers to Highly Intrusive
HNA refers to Highly Noise Affected

6.2 Operational noise and vibration

Potential architectural treatments need to be considered for one sensitive receiver (second floor of 106 Broomfield Street) with the reconstructed noise wall in place. During detailed design phase, it is recommended that a site visit should be undertaken to confirm the apartment layout and determine the suitability for specific architectural treatments.

Operational vibration results indicate that no residential receivers fall within the vibration criteria buffer distances. Operational vibration is not expected to adversely impact any commercial receivers.

Vibration impacts from the increase number of trains passing by Cabramatta (Cabramatta Creek), Railway Parade and Sussex Street Underbridge would be managed by undertaking a dilapidation survey of the structures during construction. If the structures are found to be unsound, then a structural engineer will advise if there is a risk from increasing operational train numbers and identify strategies to avoid risks.

7. Conclusion

7.1 Construction impacts summary

Construction activities have been developed based on the construction staging and are proposed to be carried out during and outside standard construction hours.

Three compounds are proposed and would be used throughout the duration of construction to provide support facilities for staff on site, parking, equipment storage and stockpiling locations for materials.

Four ancillary work areas are anticipated to provide support short-term works including vehicle movements and crane operation. The ancillary work areas would only be used when required and would not be a permanent fixture throughout construction.

The predicted noise levels indicate that the NMLs would be exceeded during and outside standard hours. Receivers located next to the works are likely to experience levels above the highly noise affected level of 75 dBA.

Construction traffic movements along local roads would be managed with a construction traffic management plan to limit the degree of road traffic noise impacts.

Vibration intensive plant and equipment may be used for construction of the road, noise wall and bridge. Plant and equipment would be selected to comply with the vibration safe work buffer distances.

Heritage listed structures have been identified within the construction work areas and a building dilapidation survey would be carried out prior to starting vibration generating works near these structures.

It is typical for construction projects to exceed the construction NMLs. Any impacts caused by construction works are temporary in nature and would not represent a permanent impact on the community and surrounding environment. The predicted noise levels are generally conservative and would only be experienced for limited periods during construction. Impacts may be reduced through the introduction of feasible and reasonable mitigation measures; however, these mitigation measures are unlikely to reduce noise levels below the construction NMLs.

7.2 Operational impacts

The predicted ‘no build’ and ‘build’ design year noise levels indicate that architectural treatments need to be considered at one sensitive receiver with the reconstructed noise wall. During detailed design phase, it is recommended that a site visit should be undertaken to determine specific architectural treatments.

Specific operational ground-borne noise and vibration mitigation strategies are not required for the project. A dilapidation survey will be undertaken during construction to assess the structural integrity of heritage bridges located in the study area.

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8. References

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Appendices

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Appendix A – Noise sensitive receivers (table)

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0001	21 HOMEPRIDE AVENUE WARWICK FARM	Residential	NCA03
R0002	17 HOMEPRIDE AVENUE WARWICK FARM	Residential	NCA03
R0003	19 HOMEPRIDE AVENUE WARWICK FARM	Residential	NCA03
R0004	168 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0005	17 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0006	166 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0007	15 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0008	164 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0009	13 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0010	162 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0011	38 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0012	11 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0013	160 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0014	40 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0015	9 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0016	51 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0017	2 DAVY STREET WARWICK FARM	Residential	NCA03
R0018	158 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0019	29 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0020	7 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0021	42 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0022	4 DAVY STREET WARWICK FARM	Residential	NCA03
R0023	13 TRIPP STREET WARWICK FARM	Residential	NCA03
R0024	6 DAVY STREET WARWICK FARM	Residential	NCA03
R0025	156 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0026	3 GEORGE STREET WARWICK FARM	Residential	NCA03
R0027	51 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0028	16 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0029	49 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0030	5 TRIPP STREET WARWICK FARM	Residential	NCA03
R0031	1 TRIPP STREET WARWICK FARM	Residential	NCA03
R0032	3 TRIPP STREET WARWICK FARM	Residential	NCA03
R0033	11 TRIPP STREET WARWICK FARM	Residential	NCA03
R0034	31 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0035	5 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0036	7 TRIPP STREET WARWICK FARM	Residential	NCA03
R0037	44 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0038	9 TRIPP STREET WARWICK FARM	Residential	NCA03
R0039	47 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0040	154 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0041	14 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0042	49 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0043	3 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0044	11 TRIPP STREET WARWICK FARM	Residential	NCA03
R0045	33 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0046	45 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0047	145 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0048	12 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0049	3 GEORGE STREET WARWICK FARM	Residential	NCA03
R0050	14 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0051	43 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0052	143 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0053	35 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0054	12 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0055	54 HINKLER AVENUE WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0056	10 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0057	6 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0058	10 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0059	16 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0060	41 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0061	8 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0062	152 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0063	4 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0064	50 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0065	2 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0066	8 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0067	4 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0068	6 RENSHAW STREET WARWICK FARM	Residential	NCA03
R0069	37 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0070	20 GEORGE STREET LIVERPOOL	Residential	NCA03
R0071	52 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0072	52 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0073	16 GEORGE STREET LIVERPOOL	Residential	NCA03
R0074	6 CARROLL STREET WARWICK FARM	Residential	NCA03
R0075	150 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0076	4 CARROLL STREET WARWICK FARM	Residential	NCA03
R0077	15 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0078	12 GEORGE STREET LIVERPOOL	Residential	NCA03
R0079	39 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0080	39 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0081	52 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0082	10 GEORGE STREET LIVERPOOL	Residential	NCA03
R0083	6 GEORGE STREET WARWICK FARM	Residential	NCA03
R0084	50 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0085	50 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0086	7 CARROLL STREET WARWICK FARM	Residential	NCA03
R0087	37 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0088	6 GEORGE STREET WARWICK FARM	Residential	NCA03
R0089	148 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0090	37 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0091	13 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0092	41 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0093	9 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0094	2 GEORGE STREET WARWICK FARM	Residential	NCA03
R0095	3 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0096	139 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0097	7 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0098	5 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0099	11 MCCARTNEY STREET WARWICK FARM	Residential	NCA03
R0100	36 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0101	48 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0102	5 CARROLL STREET WARWICK FARM	Residential	NCA03
R0103	146 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0104	35 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0105	43 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0106	137 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0107	46 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0108	3 CARROLL STREET WARWICK FARM	Residential	NCA03
R0109	8 LACHLAN STREET LIVERPOOL	Residential	NCA03
R0110	144 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0111	45 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0112	54 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0113	43 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0114	7 BROWNE PARADE WARWICK FARM	Residential	NCA03
R0115	33 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0116	16 STOKOE STREET WARWICK FARM	Residential	NCA03
R0117	12 STOKOE STREET WARWICK FARM	Residential	NCA03
R0118	44 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0119	135 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0120	14 STOKOE STREET WARWICK FARM	Residential	NCA03
R0121	18 STOKOE STREET WARWICK FARM	Residential	NCA03
R0122	5 BROWNE PARADE WARWICK FARM	Residential	NCA03
R0123	10 STOKOE STREET WARWICK FARM	Residential	NCA03
R0124	56 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0125	8 STOKOE STREET WARWICK FARM	Residential	NCA03
R0126	10 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0127	12 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0128	6 STOKOE STREET WARWICK FARM	Residential	NCA03
R0129	45 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0130	47 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0131	133 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0132	4 STOKOE STREET WARWICK FARM	Residential	NCA03
R0133	142 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0134	8 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0135	42 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0136	4 LACHLAN STREET LIVERPOOL	Residential	NCA03
R0137	19 STOKOE STREET WARWICK FARM	Residential	NCA03
R0138	6 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0139	49 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0140	13 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0141	140 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0142	40 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0143	43 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0144	4 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0145	94 SHETLAND DRIVE MOAMA	Residential	NCA03
R0146	2 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0147	35 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0148	41 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0149	17 STOKOE STREET WARWICK FARM	Residential	NCA03
R0150	27 BIGGE STREET LIVERPOOL	Residential	NCA03
R0151	39 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0152	11 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0153	51 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0154	38 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0155	38 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0156	33 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0157	8 BROWNE PARADE WARWICK FARM	Residential	NCA03
R0158	13 STOKOE STREET WARWICK FARM	Residential	NCA03
R0159	138 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0160	15 STOKOE STREET WARWICK FARM	Residential	NCA03
R0161	11 STOKOE STREET WARWICK FARM	Residential	NCA03
R0162	15 BIGGE STREET LIVERPOOL	Residential	NCA03
R0163	9 STOKOE STREET WARWICK FARM	Residential	NCA03
R0164	94 SHETLAND DRIVE MOAMA	Residential	NCA03
R0165	131 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0166	7 STOKOE STREET WARWICK FARM	Residential	NCA03
R0167	4 BROWNE PARADE WARWICK FARM	Residential	NCA03
R0168	5 STOKOE STREET WARWICK FARM	Residential	NCA03
R0169	3 STOKOE STREET WARWICK FARM	Residential	NCA03
R0170	9 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0171	33 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0172	131 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0173	3 BIGGE STREET WARWICK FARM	Residential	NCA03
R0174	7 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0175	36 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0176	31 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0177	5 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0178	53 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0179	26 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0180	136 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0181	36 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0182	3 SIMMONS STREET WARWICK FARM	Residential	NCA03
R0183	129 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0184	3 STOKOE STREET WARWICK FARM	Residential	NCA03
R0185	60 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0186	24 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0187	65 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0188	61 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0189	22 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0190	38 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0191	59 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0192	20 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0193	31 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0194	33 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0195	57 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0196	18 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0197	55 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0198	40 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0199	63 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0200	34 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0201	16 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0202	55B WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0203	134 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0204	14 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0205	67 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0206	12 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0207	62 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0208	36 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0209	10 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0210	69 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0211	38 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0212	8 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0213	127 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0214	6 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0215	71 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0216	4 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0217	34 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0218	42 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0219	2 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0220	73 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0221	323 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0222	32 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0223	62 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0224	9 BIGGE STREET WARWICK FARM	Residential	NCA03
R0225	324 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0226	132 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0227	75 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0228	3 BIGGE STREET WARWICK FARM	Residential	NCA03
R0229	31 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0230	29 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0231	12 PHILLIP AVENUE CABRAMATTA	Residential	NCA01
R0232	26 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0233	27 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0234	25 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0235	21 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0236	125 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0237	64 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0238	23 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0239	31 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0240	188 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0241	186 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0242	30 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0243	27 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0244	322 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0245	321 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0246	32 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0247	322 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0248	15 GILBERT STREET CABRAMATTA	Residential	NCA01
R0249	66 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0250	19 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0251	17 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0252	29 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0253	20 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0254	27 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0255	15 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0256	176 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0257	16 BIGGE STREET LIVERPOOL	Medical facility	NCA03
R0258	130 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0259	68 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0260	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0261	29 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0262	68 WILLIAMSON CRESCENT WARWICK FARM	Residential	NCA03
R0263	27 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0264	13 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0265	174 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0266	160 JOHN STREET CABRAMATTA	Residential	NCA01
R0267	11 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0268	30 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0269	28 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0270	320 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0271	9 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0272	319 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0273	7 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0274	27 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0275	113 DENNIS STREET LAKEMBA	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0276	3 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0277	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0278	15 GILBERT STREET CABRAMATTA	Residential	NCA01
R0279	113 DENNIS STREET LAKEMBA	Residential	NCA03
R0280	25 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0281	45 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0282	113 DENNIS STREET LAKEMBA	Residential	NCA03
R0283	5 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0284	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0285	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0286	167 JOHN STREET CABRAMATTA	Residential	NCA01
R0287	41 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0288	128 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0289	8 BIGGE STREET WARWICK FARM	Residential	NCA03
R0290	28 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0291	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0292	1 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0293	25 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0294	24A SOLDIERS ROAD JANNALI	Residential	NCA03
R0295	318 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0296	154 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0297	172 GLADSTONE STREET CABRAMATTA	Residential	NCA01
R0298	2 BIGGE STREET WARWICK FARM	Residential	NCA03
R0299	317 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0300	13 GILBERT STREET CABRAMATTA	Residential	NCA01
R0301	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0302	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0303	140 LAKE ENTRANCE ROAD OAK FLATS	Residential	NCA01
R0304	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0305	23 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0306	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0307	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0308	26 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0309	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0310	88 HUGHES STREET CABRAMATTA	Residential	NCA01
R0311	29 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0312	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0313	88 HUGHES STREET CABRAMATTA	Residential	NCA01
R0314	21 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0315	25 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0316	315 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0317	29 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0318	16 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0319	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0320	10 GILBERT STREET CABRAMATTA	Residential	NCA01
R0321	24 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0322	17 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0323	21 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0324	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0325	24 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0326	14 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0327	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0328	12 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0329	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0330	25 LACHLAN STREET WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0331	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0332	10 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0333	22 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0334	8 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0335	22 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0336	313 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0337	6 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0338	159 JOHN STREET CABRAMATTA	Residential	NCA01
R0339	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0340	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0341	4 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0342	8 GILBERT STREET CABRAMATTA	Residential	NCA01
R0343	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0344	156 JOHN STREET CABRAMATTA	Residential	NCA01
R0345	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0346	23 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0347	88 HUGHES STREET CABRAMATTA	Residential	NCA01
R0348	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0349	2 GRACE AVENUE CABRAMATTA	Residential	NCA01
R0350	21 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0351	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0352	35 SCOTTSDALE CIRCUIT WEST HOXTON	Residential	NCA03
R0353	22 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0354	19 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0355	19 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0356	311 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0357	17 GOULBURN STREET LIVERPOOL	Medical facility	NCA03
R0358	9 GILBERT STREET CABRAMATTA	Residential	NCA01
R0359	5 GOULBURN STREET WARWICK FARM	Residential	NCA03
R0360	6 GILBERT STREET CABRAMATTA	Residential	NCA01
R0361	19 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0362	20 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0363	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0364	20 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0365	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0366	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0367	17 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0368	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0369	17 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0370	152 JOHN STREET CABRAMATTA	Residential	NCA01
R0371	4 GILBERT STREET CABRAMATTA	Residential	NCA01
R0372	1 CAMPBELL STREET LIVERPOOL	Commercial	NCA03
R0373	86 HUGHES STREET CABRAMATTA	Residential	NCA01
R0374	309 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0375	18 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0376	18 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0377	17 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0378	59 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0379	17 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0380	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0381	16 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0382	9 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0383	61 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0384	57 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0385	18 MCGIRR PARADE WARWICK FARM	Residential	NCA03

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Receiver ID	Address	Receiver Type	NCA
R0386	7 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0387	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0388	55 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0389	2A GILBERT STREET CABRAMATTA	Residential	NCA01
R0390	307 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0391	46 GALLOP STREET WARWICK FARM	Residential	NCA03
R0392	15 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0393	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0394	159 JOHN STREET CABRAMATTA	Residential	NCA01
R0395	1145 PACIFIC HIGHWAY COWAN	Residential	NCA03
R0396	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0397	45 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0398	38 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0399	51 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0400	34 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0401	53 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0402	63 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0403	15 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0404	49 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0405	296 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0406	30 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0407	152 JOHN STREET CABRAMATTA	Residential	NCA01
R0408	15 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0409	47 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0410	13 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0411	1 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0412	9 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0413	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0414	5 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0415	86 HUGHES STREET CABRAMATTA	Residential	NCA01
R0416	31 GALLOP STREET WARWICK FARM	Residential	NCA03
R0417	39 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0418	43 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0419	11 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0420	3 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0421	16 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0422	45 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0423	65 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0424	44 GALLOP STREET WARWICK FARM	Residential	NCA03
R0425	16 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0426	13 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0427	41 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0428	294 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0429	32 GWINGANNA AVENUE KIAMA	Residential	NCA01
R0430	7 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0431	26 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0432	22 GOULBURN STREET LIVERPOOL	Residential	NCA03
R0433	85 HUGHES STREET CABRAMATTA	Residential	NCA01
R0434	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0435	157 JOHN STREET CABRAMATTA	Residential	NCA01
R0436	39 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0437	37 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0438	WILLIAMSON CRESCENT WARWICK FARM	Active recreation	NCA03
R0439	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0440	18 GOULBURN STREET LIVERPOOL	Residential	NCA03

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Receiver ID	Address	Receiver Type	NCA
R0441	44 GALLOP STREET WARWICK FARM	Residential	NCA03
R0442	92 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0443	13 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0444	144 JOHN STREET CABRAMATTA	Residential	NCA01
R0445	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0446	14 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0447	67 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0448	11 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0449	82 HUGHES STREET CABRAMATTA	Residential	NCA01
R0450	21 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0451	42 GALLOP STREET WARWICK FARM	Residential	NCA03
R0452	76 CARAVAN HEAD ROAD OYSTER BAY	Residential	NCA03
R0453	76 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0454	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0455	35 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0456	44 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0457	49 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0458	46 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0459	12 GOULBURN STREET WARWICK FARM	Residential	NCA03
R0460	42 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0461	51 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0462	83 HUGHES STREET CABRAMATTA	Residential	NCA01
R0463	17 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0464	40 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0465	12 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0466	90 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0467	69 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0468	11 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0469	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0470	38 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0471	9 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0472	40 GALLOP STREET WARWICK FARM	Residential	NCA03
R0473	36 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0474	8 GOULBURN STREET WARWICK FARM	Residential	NCA03
R0475	6 GOULBURN STREET WARWICK FARM	Residential	NCA03
R0476	10 HUME HIGHWAY WARWICK FARM	Commercial	NCA03
R0477	16 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0478	47 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0479	33 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0480	80 HUGHES STREET CABRAMATTA	Residential	NCA01
R0481	43 FORBES STREET LIVERPOOL	Residential	NCA03
R0482	49 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0483	37 NICHOLLS STREET WARWICK FARM	Active recreation	NCA03
R0484	43 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0485	14 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0486	16 KITTANI STREET KIRRAWEE	Residential	NCA03
R0487	292 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0488	31 FORBES STREET LIVERPOOL	Residential	NCA03
R0489	34 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0490	25 GALLOP STREET WARWICK FARM	Residential	NCA03
R0491	45 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0492	39 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0493	12 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0494	27 FORBES STREET LIVERPOOL	Place of worship	NCA03
R0495	88 SUSSEX STREET CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R0496	32 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0497	10 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0498	71 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0499	76 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0500	33 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0501	10 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0502	155 JOHN STREET CABRAMATTA	Residential	NCA01
R0503	7 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0504	8 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0505	2 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0506	41 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0507	10 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0508	9 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0509	102 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0510	39 FORBES STREET LIVERPOOL	Residential	NCA03
R0511	17 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0512	39 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0513	38 GALLOP STREET WARWICK FARM	Residential	NCA03
R0514	30 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0515	27 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0516	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R0517	81 HUGHES STREET CABRAMATTA	Residential	NCA01
R0518	31 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0519	6 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0520	31 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0521	37 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0522	25 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0523	35 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0524	2 EVE COURT CABRAMATTA	Residential	NCA01
R0525	4 EVE COURT CABRAMATTA	Residential	NCA01
R0526	9 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0527	4 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0528	142 JOHN STREET CABRAMATTA	Residential	NCA01
R0529	31 FORBES STREET LIVERPOOL	Residential	NCA03
R0530	290 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0531	19 FORBES STREET LIVERPOOL	Residential	NCA03
R0532	74 HUGHES STREET CABRAMATTA	Residential	NCA01
R0533	73 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0534	6 EVE COURT CABRAMATTA	Residential	NCA01
R0535	290 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0536	32 GWINGANNA AVENUE KIAMA	Residential	NCA01
R0537	28 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0538	100 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0539	86 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0540	151 JOHN STREET CABRAMATTA	Residential	NCA01
R0541	31 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0542	27 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0543	142 JOHN STREET CABRAMATTA	Residential	NCA01
R0544	21 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0545	8 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0546	29 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0547	7 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0548	151 JOHN STREET CABRAMATTA	Residential	NCA01
R0549	65 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0550	28 JASMINE CRESCENT CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R0551	25 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0552	36 GALLOP STREET WARWICK FARM	Residential	NCA03
R0553	5 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0554	8 EVE COURT CABRAMATTA	Residential	NCA01
R0555	29 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0556	28 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0557	3 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0558	23 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0559	17 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0560	79 HUGHES STREET CABRAMATTA	Residential	NCA01
R0561	288 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0562	151 JOHN STREET CABRAMATTA	Residential	NCA01
R0563	6 ALADORE AVENUE CABRAMATTA	Residential	NCA01
R0564	98 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0565	26 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0566	288 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0567	21 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0568	75 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0569	23 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R0570	17 FORBES STREET WARWICK FARM	Residential	NCA03
R0571	13 FORBES STREET WARWICK FARM	Residential	NCA03
R0572	19 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0573	15 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0574	17 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0575	32 GWINGANNA AVENUE KIAMA	Residential	NCA01
R0576	50 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0577	84 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0578	3 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0579	29 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0580	12 DRAYTON CRESCENT THORNTON	Residential	NCA03
R0581	72 HUGHES STREET CABRAMATTA	Residential	NCA01
R0582	34 GALLOP STREET WARWICK FARM	Residential	NCA03
R0583	140 JOHN STREET CABRAMATTA	Residential	NCA01
R0584	26 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0585	27 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0586	15 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0587	48 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0588	11 FORBES STREET WARWICK FARM	Residential	NCA03
R0589	13 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0590	11 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0591	46 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0592	7 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0593	7 EVE COURT CABRAMATTA	Residential	NCA01
R0594	286 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0595	50 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0596	9 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0597	32 GWINGANNA AVENUE KIAMA	Residential	NCA01
R0598	77 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0599	72 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0600	6 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0601	24 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0602	7 FORBES STREET WARWICK FARM	Residential	NCA03
R0603	1 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0604	44 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0605	32 GWINGANNA AVENUE KIAMA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0606	82 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0607	136 JOHN STREET CABRAMATTA	Place of worship	NCA01
R0608	77 HUGHES STREET CABRAMATTA	Residential	NCA01
R0609	3 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0610	42 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0611	39 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0612	65 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0613	27 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0614	5 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0615	40 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0616	5 FORBES STREET WARWICK FARM	Residential	NCA03
R0617	38 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0618	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0619	13 LACHLAN STREET WARWICK FARM	Medical facility	NCA03
R0620	1 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0621	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0622	24 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0623	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0624	25 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0625	13 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0626	282 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0627	3 FORBES STREET WARWICK FARM	Residential	NCA03
R0628	96 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0629	36 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0630	52 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0631	70 HUGHES STREET CABRAMATTA	Residential	NCA01
R0632	5 EVE COURT CABRAMATTA	Residential	NCA01
R0633	34 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0634	21 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R0635	32 GALLOP STREET WARWICK FARM	Residential	NCA03
R0636	1 EVE COURT CABRAMATTA	Residential	NCA01
R0637	44 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0638	79 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0639	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0640	32 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0641	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0642	22 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0643	3 EVE COURT CABRAMATTA	Residential	NCA01
R0644	149 JOHN STREET CABRAMATTA	Residential	NCA01
R0645	282 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0646	30 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0647	80 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0648	18 COULSON STREET ERSKINEVILLE	Residential	NCA03
R0649	28 HEADLAND DRIVE GERROA	Residential	NCA01
R0650	25 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0651	149 JOHN STREET CABRAMATTA	Residential	NCA01
R0652	28 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0653	30 GALLOP STREET WARWICK FARM	Residential	NCA03
R0654	26 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0655	22 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0656	75 HUGHES STREET CABRAMATTA	Residential	NCA01
R0657	23 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0658	34 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0659	63E MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0660	149 JOHN STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0661	6 HUME HIGHWAY WARWICK FARM	Commercial	NCA03
R0662	81 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0663	65 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0664	5 MAPLE STREET CABRAMATTA	Residential	NCA01
R0665	24 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0666	49 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0667	54 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0668	43 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0669	22 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0670	20 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0671	63F MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0672	78 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0673	20 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0674	1 MAPLE STREET CABRAMATTA	Residential	NCA01
R0675	68 HUGHES STREET CABRAMATTA	Residential	NCA01
R0676	192 DORA STREET DORA CREEK	Residential	NCA01
R0677	1 MAPLE STREET CABRAMATTA	Residential	NCA01
R0678	28 GALLOP STREET WARWICK FARM	Residential	NCA03
R0679	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0680	18 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0681	45 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0682	23 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0683	68 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0684	16 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0685	20 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0686	47 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0687	3 MAPLE STREET CABRAMATTA	Residential	NCA01
R0688	20 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0689	4 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0690	21 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0691	4 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0692	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0693	91 LAWRENCE HARGRAVE ROAD WARWICK FARM	Active recreation	NCA03
R0694	7 VERA COURT CABRAMATTA	Residential	NCA01
R0695	56 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0696	83 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0697	14 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0698	69 HUGHES STREET CABRAMATTA	Residential	NCA01
R0699	2 HINKLER AVENUE WARWICK FARM	Residential	NCA03
R0700	26 GALLOP STREET WARWICK FARM	Residential	NCA03
R0701	41 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0702	283 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0703	39 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0704	120 JOHN STREET CABRAMATTA	Residential	NCA01
R0705	61 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0706	12 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0707	69 HUGHES STREET CABRAMATTA	Residential	NCA01
R0708	22 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0709	10 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0710	35 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0711	5 VERA COURT CABRAMATTA	Residential	NCA01
R0712	3 VERA COURT CABRAMATTA	Residential	NCA01
R0713	11 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0714	18 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0715	76 SUSSEX STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0716	8 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0717	37 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0718	37 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0719	33 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0720	66 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0721	21 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0722	61D MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0723	6 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0724	4 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0725	25 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0726	31 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0727	9 VERA COURT CABRAMATTA	Residential	NCA01
R0728	14 FORBES STREET WARWICK FARM	Residential	NCA03
R0729	85 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0730	276 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0731	19 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0732	58 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0733	18 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0734	2 CARABEEN STREET CABRAMATTA	Residential	NCA01
R0735	66 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0736	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0737	29 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0738	20 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R0739	17 MANNIX LANE WARWICK FARM	Residential	NCA03
R0740	10 FORBES STREET WARWICK FARM	Residential	NCA03
R0741	2 MCGIRR PARADE WARWICK FARM	Residential	NCA03
R0742	27 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0743	143 JOHN STREET CABRAMATTA	Residential	NCA01
R0744	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0745	74 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0746	35 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0747	9 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0748	19 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0749	6 FORBES STREET WARWICK FARM	Residential	NCA03
R0750	59A MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0751	35 MANNIX LANE WARWICK FARM	Commercial	NCA03
R0752	11 VERA COURT CABRAMATTA	Residential	NCA01
R0753	23 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0754	89 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0755	283 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0756	60 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0757	20 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R0758	4 FORBES STREET WARWICK FARM	Residential	NCA03
R0759	16 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0760	17 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0761	87 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0762	17 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0763	2 FORBES STREET WARWICK FARM	Residential	NCA03
R0764	59B MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0765	9 BASIL STREET WORRIGEE	Residential	NCA01
R0766	21 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0767	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0768	50 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0769	19 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0770	141 JOHN STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0771	5 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0772	9 BASIL STREET WORRIGEE	Residential	NCA01
R0773	3 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0774	48 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0775	7 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0776	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0777	2A FORBES STREET WARWICK FARM	Residential	NCA03
R0778	10 MAPLE STREET CABRAMATTA	Residential	NCA01
R0779	9 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0780	15 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0781	72 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0782	13 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0783	37 NICHOLLS STREET WARWICK FARM	Active recreation	NCA03
R0784	9 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0785	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0786	9 BASIL STREET WORRIGEE	Residential	NCA01
R0787	46 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0788	17 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0789	130 JOHN STREET CABRAMATTA	Residential	NCA01
R0790	5 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0791	8 MAPLE STREET CABRAMATTA	Residential	NCA01
R0792	22 GALLOP STREET WARWICK FARM	Residential	NCA03
R0793	7 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0794	33A HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0795	44 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0796	36 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R0797	283 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0798	11 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0799	1 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0800	6 MAPLE STREET CABRAMATTA	Residential	NCA01
R0801	60 HUGHES STREET CABRAMATTA	Residential	NCA01
R0802	89 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0803	14 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0804	87 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0805	42 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0806	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0807	11 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0808	15 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0809	60 HUGHES STREET CABRAMATTA	Residential	NCA01
R0810	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0811	2 MAPLE STREET CABRAMATTA	Residential	NCA01
R0812	32 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0813	69 HUGHES STREET CABRAMATTA	Residential	NCA01
R0814	62 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0815	40 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0816	9 GALLOP STREET WARWICK FARM	Residential	NCA03
R0817	34 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0818	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0819	7 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0820	2 MAPLE STREET CABRAMATTA	Residential	NCA01
R0821	38 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0822	10 VERA COURT CABRAMATTA	Residential	NCA01
R0823	13 MANNIX PARADE WARWICK FARM	Residential	NCA03
R0824	53 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0825	5 GIDGEE STREET CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R0826	4 VERA COURT CABRAMATTA	Residential	NCA01
R0827	274 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0828	3 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0829	36 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0830	137 JOHN STREET CABRAMATTA	Residential	NCA01
R0831	6 VERA COURT CABRAMATTA	Residential	NCA01
R0832	72 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0833	2 VERA COURT CABRAMATTA	Residential	NCA01
R0834	34 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0835	15 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0836	53 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0837	9 BASIL STREET WORRIGEE	Residential	NCA01
R0838	1 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0839	8 VERA COURT CABRAMATTA	Residential	NCA01
R0840	32 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0841	20 GALLOP STREET WARWICK FARM	Residential	NCA03
R0842	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0843	64 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0844	30 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0845	13 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0846	87 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0847	12 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0848	9 BASIL STREET WORRIGEE	Residential	NCA01
R0849	28 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0850	91 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0851	37 NICHOLLS STREET WARWICK FARM	Active recreation	NCA03
R0852	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0853	63 HUGHES STREET CABRAMATTA	Residential	NCA01
R0854	NR HUGHES STREET CABRAMATTA	Residential	NCA01
R0855	91 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0856	37 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0857	22 BURLISON STREET WARWICK FARM	Residential	NCA03
R0858	20 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R0859	26 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0860	49 KAURI STREET CABRAMATTA	Residential	NCA01
R0861	281 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0862	137 JOHN STREET CABRAMATTA	Residential	NCA01
R0863	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0864	24 BURLISON STREET WARWICK FARM	Residential	NCA03
R0865	20 BURLISON STREET WARWICK FARM	Residential	NCA03
R0866	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0867	70 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0868	30 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0869	18 BURLISON STREET WARWICK FARM	Residential	NCA03
R0870	15 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R0871	24 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0872	26 BURLISON STREET WARWICK FARM	Residential	NCA03
R0873	272 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0874	18 GALLOP STREET WARWICK FARM	Residential	NCA03
R0875	30 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0876	22 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0877	13 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R0878	1 GALLOP STREET WARWICK FARM	Residential	NCA03
R0879	5 GALLOP STREET WARWICK FARM	Residential	NCA03
R0880	13 BEGONIA AVENUE CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0881	41 KAURI STREET CABRAMATTA	Residential	NCA01
R0882	16 BURLISON STREET WARWICK FARM	Residential	NCA03
R0883	28 BURLISON STREET WARWICK FARM	Residential	NCA03
R0884	20 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0885	66 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0886	43 KAURI STREET CABRAMATTA	Residential	NCA01
R0887	5 HUBER AVENUE CABRAMATTA	Residential	NCA01
R0888	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0889	9 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R0890	60 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0891	10 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0892	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0893	11 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0894	14 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0895	31 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R0896	3 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0897	18 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0898	36 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R0899	45 KAURI STREET CABRAMATTA	Residential	NCA01
R0900	47 KAURI STREET CABRAMATTA	Residential	NCA01
R0901	63 HUGHES STREET CABRAMATTA	Residential	NCA01
R0902	16 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0903	135 JOHN STREET CABRAMATTA	Residential	NCA01
R0904	19 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R0905	93 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0906	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0907	58 HUGHES STREET CABRAMATTA	Residential	NCA01
R0908	70 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0909	35 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0910	12 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R0911	14 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0912	124 JOHN STREET CABRAMATTA	Residential	NCA01
R0913	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R0914	1 GALLOP STREET WARWICK FARM	Residential	NCA03
R0915	5 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R0916	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0917	17 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R0918	68 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0919	37 KAURI STREET CABRAMATTA	Residential	NCA01
R0920	41 KAURI STREET CABRAMATTA	Residential	NCA01
R0921	1 GALLOP STREET WARWICK FARM	Residential	NCA03
R0922	7 HUBER AVENUE CABRAMATTA	Residential	NCA01
R0923	72 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0924	12 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0925	68 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0926	39 KAURI STREET CABRAMATTA	Residential	NCA01
R0927	28 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0928	14 BURLISON STREET WARWICK FARM	Residential	NCA03
R0929	53 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0930	56 HUGHES STREET CABRAMATTA	Residential	NCA01
R0931	53 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0932	3 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R0933	95 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0934	7 HUBER AVENUE CABRAMATTA	Residential	NCA01
R0935	10 GIDGEE STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0936	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0937	270 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0938	56 HUGHES STREET CABRAMATTA	Residential	NCA01
R0939	92 SHELLHARBOUR ROAD LAKE ILLAWARRA	Residential	NCA01
R0940	11 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0941	8 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0942	9 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0943	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0944	1 LACHLAN STREET WARWICK FARM	Residential	NCA03
R0945	74 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0946	34 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R0947	6 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0948	8 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0949	11 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R0950	16 GALLOP STREET WARWICK FARM	Residential	NCA03
R0951	12 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0952	133 JOHN STREET CABRAMATTA	Residential	NCA01
R0953	35 KAURI STREET CABRAMATTA	Residential	NCA01
R0954	28 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0955	138 HEADLAND DRIVE GERROA	Residential	NCA01
R0956	16 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0957	94 ADOLPHUS STREET CANLEY HEIGHTS	Residential	NCA01
R0958	33 KAURI STREET CABRAMATTA	Residential	NCA01
R0959	4 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0960	57 HUGHES STREET CABRAMATTA	Residential	NCA01
R0961	76 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0962	5 HUBER AVENUE CABRAMATTA	Residential	NCA01
R0963	1 HUBER AVENUE CABRAMATTA	Residential	NCA01
R0964	1 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R0965	2 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0966	33 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0967	54 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0968	5 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R0969	29 KAURI STREET CABRAMATTA	Residential	NCA01
R0970	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0971	17 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R0972	31 KAURI STREET CABRAMATTA	Residential	NCA01
R0973	9 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R0974	66 SUSSEX STREET CABRAMATTA	Residential	NCA01
R0975	54 HUGHES STREET CABRAMATTA	Medical facility	NCA01
R0976	97 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0977	25 KAURI STREET CABRAMATTA	Residential	NCA01
R0978	27 KAURI STREET CABRAMATTA	Residential	NCA01
R0979	26 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0980	81 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R0981	4 ADELAIDE PLACE SHELLHARBOUR	Residential	NCA01
R0982	14 GALLOP STREET WARWICK FARM	Residential	NCA03
R0983	268 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0984	19 KAURI STREET CABRAMATTA	Residential	NCA01
R0985	6 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R0986	9 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R0987	12 BURLISON STREET WARWICK FARM	Residential	NCA03
R0988	12 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R0989	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Medical facility	NCA03
R0990	7 JASMINE CRESCENT CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R0991	17 KAURI STREET CABRAMATTA	Residential	NCA01
R0992	275 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R0993	51 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R0994	13 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R0995	23 KAURI STREET CABRAMATTA	Residential	NCA01
R0996	26 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R0997	6 GIDGEE STREET CABRAMATTA	Residential	NCA01
R0998	131 JOHN STREET CABRAMATTA	Residential	NCA01
R0999	1 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1000	4 GIDGEE STREET CABRAMATTA	Residential	NCA01
R1001	21 KAURI STREET CABRAMATTA	Residential	NCA01
R1002	15 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1003	13 KAURI STREET CABRAMATTA	Residential	NCA01
R1004	131 JOHN STREET CABRAMATTA	Residential	NCA01
R1005	15 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R1006	275 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1007	12 GALLOP STREET WARWICK FARM	Residential	NCA03
R1008	54 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1009	64 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1010	131 JOHN STREET CABRAMATTA	Residential	NCA01
R1011	31 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1012	99 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1013	7 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1014	7 KAURI STREET CABRAMATTA	Residential	NCA01
R1015	52 HUGHES STREET CABRAMATTA	Residential	NCA01
R1016	50 KAURI STREET CABRAMATTA	Residential	NCA01
R1017	32 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R1018	48 KAURI STREET CABRAMATTA	Residential	NCA01
R1019	266 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1020	5 KAURI STREET CABRAMATTA	Residential	NCA01
R1021	15 KAURI STREET CABRAMATTA	Residential	NCA01
R1022	5 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1023	46 KAURI STREET CABRAMATTA	Residential	NCA01
R1024	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1025	120 JOHN STREET CABRAMATTA	Medical facility	NCA01
R1026	12 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1027	79 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1028	4 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1029	7 BURLISON STREET WARWICK FARM	Residential	NCA03
R1030	57 HUGHES STREET CABRAMATTA	Residential	NCA01
R1031	10 BURLISON STREET WARWICK FARM	Residential	NCA03
R1032	11 KAURI STREET CABRAMATTA	Residential	NCA01
R1033	44 KAURI STREET CABRAMATTA	Residential	NCA01
R1034	101 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1035	42 KAURI STREET CABRAMATTA	Residential	NCA01
R1036	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1037	18 FORBES STREET LIVERPOOL	Medical facility	NCA03
R1038	13 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R1039	40 KAURI STREET CABRAMATTA	Residential	NCA01
R1040	275 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1041	54 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1042	62 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1043	103 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1044	38 KAURI STREET CABRAMATTA	Residential	NCA01
R1045	9 KAURI STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1046	20 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1047	9 BURLISON STREET WARWICK FARM	Residential	NCA03
R1048	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1049	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1050	7 KAURI STREET CABRAMATTA	Residential	NCA01
R1051	49 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1052	10 GALLOP STREET WARWICK FARM	Residential	NCA03
R1053	105 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1054	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1055	21 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R1056	18 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1057	48 KAURI STREET CABRAMATTA	Residential	NCA01
R1058	5 KAURI STREET CABRAMATTA	Residential	NCA01
R1059	36 KAURI STREET CABRAMATTA	Residential	NCA01
R1060	107 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1061	264 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1062	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1063	1 KAURI STREET CABRAMATTA	Residential	NCA01
R1064	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1065	10 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1066	109 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1067	77 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1068	3 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1069	118 JOHN STREET CABRAMATTA	Residential	NCA01
R1070	34 KAURI STREET CABRAMATTA	Residential	NCA01
R1071	8 GALLOP STREET WARWICK FARM	Residential	NCA03
R1072	3 KAURI STREET CABRAMATTA	Residential	NCA01
R1073	16 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1074	3 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1075	127 JOHN STREET CABRAMATTA	Residential	NCA01
R1076	14 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1077	125 JOHN STREET CABRAMATTA	Residential	NCA01
R1078	32 KAURI STREET CABRAMATTA	Residential	NCA01
R1079	5 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1080	51 SIMPSON PARADE ALBION PARK	Residential	NCA01
R1081	10 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1082	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1083	1 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1084	30 KAURI STREET CABRAMATTA	Residential	NCA01
R1085	11 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R1086	18 FORBES STREET LIVERPOOL	Educational institute	NCA03
R1087	18 FORBES STREET LIVERPOOL	Medical facility	NCA03
R1088	12 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1089	6 HUBER AVENUE CABRAMATTA	Residential	NCA01
R1090	10 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1091	8 BURLISON STREET WARWICK FARM	Residential	NCA03
R1092	28 KAURI STREET CABRAMATTA	Residential	NCA01
R1093	60 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1094	6 GALLOP STREET WARWICK FARM	Residential	NCA03
R1095	27 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1096	10 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1097	4 GALLOP STREET WARWICK FARM	Residential	NCA03
R1098	11 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R1099	18 FORBES STREET LIVERPOOL	Medical facility	NCA03
R1100	48 MCBURNEY ROAD CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1101	24 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1102	26 KAURI STREET CABRAMATTA	Residential	NCA01
R1103	10 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1104	24 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1105	2A HUBER AVENUE CABRAMATTA	Residential	NCA01
R1106	53 HUGHES STREET CABRAMATTA	Residential	NCA01
R1107	5 BURLISON STREET WARWICK FARM	Residential	NCA03
R1108	8 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1109	76 HERBERT STREET TUMUT	Residential	NCA01
R1110	18 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1111	273 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1112	116 JOHN STREET CABRAMATTA	Residential	NCA01
R1113	8 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1114	2 HUBER AVENUE CABRAMATTA	Residential	NCA01
R1115	45 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1116	75 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1117	1 JASMINE CRESCENT CABRAMATTA	Residential	NCA01
R1118	2 HUBER AVENUE CABRAMATTA	Residential	NCA01
R1119	24 KAURI STREET CABRAMATTA	Residential	NCA01
R1120	37 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1121	43 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1122	9 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01
R1123	6 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1124	41 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1125	22 KAURI STREET CABRAMATTA	Residential	NCA01
R1126	123 JOHN STREET CABRAMATTA	Residential	NCA01
R1127	35 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1128	14 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1129	16 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1130	39 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1131	4 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1132	16 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1133	20 KAURI STREET CABRAMATTA	Residential	NCA01
R1134	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Commercial	NCA03
R1135	33 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1136	51 HUGHES STREET CABRAMATTA	Residential	NCA01
R1137	58 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1138	2 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1139	25 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1140	18 KAURI STREET CABRAMATTA	Residential	NCA01
R1141	4 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1142	6 BURLISON STREET WARWICK FARM	Residential	NCA03
R1143	16 KAURI STREET CABRAMATTA	Residential	NCA01
R1144	10 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1145	114 JOHN STREET CABRAMATTA	Residential	NCA01
R1146	86 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1147	14 KAURI STREET CABRAMATTA	Residential	NCA01
R1148	31 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1149	22 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1150	26 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R1151	271 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1152	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1153	73 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1154	12 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1155	7 ST JOHNS ROAD CANLEY HEIGHTS	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1156	12 KAURI STREET CABRAMATTA	Residential	NCA01
R1157	48 HUGHES STREET CABRAMATTA	Residential	NCA01
R1158	8 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1159	45 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1160	3 BURLISON STREET WARWICK FARM	Residential	NCA03
R1161	10 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1162	4 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1163	16 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1164	48 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1165	14 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1166	6 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1167	26 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R1168	71 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1169	51 HUGHES STREET CABRAMATTA	Residential	NCA01
R1170	4 DRUMMOND STREET WARWICK FARM	Residential	NCA03
R1171	10 KAURI STREET CABRAMATTA	Residential	NCA01
R1172	4 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1173	121 JOHN STREET CABRAMATTA	Residential	NCA01
R1174	8 KAURI STREET CABRAMATTA	Residential	NCA01
R1175	4 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1176	25 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1177	29 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1178	13 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R1179	28 BOLIVIA STREET CABRAMATTA	Commercial	NCA01
R1180	27 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1181	69 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1182	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1183	23 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1184	47 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1185	6 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1186	258 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1187	4 BURLISON STREET WARWICK FARM	Residential	NCA03
R1188	16 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1189	67 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1190	57 HILL STREET CABRAMATTA	Residential	NCA01
R1191	2 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1192	20 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1193	23 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1194	46 HUGHES STREET CABRAMATTA	Residential	NCA01
R1195	6 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1196	55 HILL STREET CABRAMATTA	Residential	NCA01
R1197	17 HART STREET WARWICK FARM	Residential	NCA03
R1198	2 LUNN COURT CABRAMATTA	Residential	NCA01
R1199	112 JOHN STREET CABRAMATTA	Residential	NCA01
R1200	17 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1201	21 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1202	4 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1203	19 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1204	37 CHURCH STREET YASS	Residential	NCA01
R1205	65 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1206	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1207	44 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1208	2 BEGONIA AVENUE CABRAMATTA	Residential	NCA01
R1209	112 JOHN STREET CABRAMATTA	Residential	NCA01
R1210	19 HART STREET WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1211	119B JOHN STREET CABRAMATTA	Residential	NCA01
R1212	63 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1213	17 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R1214	51 HILL STREET CABRAMATTA	Residential	NCA01
R1215	49 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1216	45 HUGHES STREET CABRAMATTA	Residential	NCA01
R1217	15 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1218	26 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R1219	15 HART STREET WARWICK FARM	Residential	NCA03
R1220	1 BURLISON STREET WARWICK FARM	Residential	NCA03
R1221	54 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1222	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1223	13 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1224	44 HUGHES STREET CABRAMATTA	Residential	NCA01
R1225	45 HUGHES STREET CABRAMATTA	Residential	NCA01
R1226	13 HART STREET WARWICK FARM	Residential	NCA03
R1227	258 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1228	9 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1229	11 HART STREET WARWICK FARM	Residential	NCA03
R1230	18 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1231	46 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1232	293 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1233	17 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1234	11 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1235	7 HART STREET WARWICK FARM	Residential	NCA03
R1236	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1237	3 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1238	5 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1239	7 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1240	4 LUNN COURT CABRAMATTA	Residential	NCA01
R1241	1 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1242	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1243	37 CHURCH STREET YASS	Residential	NCA01
R1244	61 HILL STREET CABRAMATTA	Residential	NCA01
R1245	119A JOHN STREET CABRAMATTA	Medical facility	NCA01
R1246	289 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1247	315 BURDETT STREET CANLEY HEIGHTS	Residential	NCA01
R1248	1 LUNN COURT CABRAMATTA	Residential	NCA01
R1249	42 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1250	21 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1251	44 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1252	57 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1253	2 BURLISON STREET WARWICK FARM	Residential	NCA03
R1254	40 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1255	5 HART STREET WARWICK FARM	Residential	NCA03
R1256	3 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1257	12 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1258	9 HART STREET WARWICK FARM	Residential	NCA03
R1259	1 LUNN COURT CABRAMATTA	Residential	NCA01
R1260	15 MYALL STREET CABRAMATTA	Residential	NCA01
R1261	52 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1262	82 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1263	55 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1264	59 HILL STREET CABRAMATTA	Residential	NCA01
R1265	15 SHEAHAN STREET WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1266	3 HART STREET WARWICK FARM	Residential	NCA03
R1267	36 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1268	42 HUGHES STREET CABRAMATTA	Residential	NCA01
R1269	37 CHURCH STREET YASS	Residential	NCA01
R1270	17 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1271	44 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1272	38 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1273	258 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1274	1 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1275	34 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1276	11 MYALL STREET CABRAMATTA	Residential	NCA01
R1277	8 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1278	108 JOHN STREET CABRAMATTA	Residential	NCA01
R1279	10 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1280	11 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1281	1 HART STREET WARWICK FARM	Residential	NCA03
R1282	13 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1283	289 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1284	22 REMEMBRANCE AVENUE WARWICK FARM	Residential	NCA03
R1285	6 LUNN COURT CABRAMATTA	Residential	NCA01
R1286	8 KURRAJONG STREET CABRAMATTA	Residential	NCA01
R1287	11 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1288	32 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1289	10 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1290	13 MYALL STREET CABRAMATTA	Residential	NCA01
R1291	30 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1292	80 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1293	9 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1294	5 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1295	17 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1296	45 HUGHES STREET CABRAMATTA	Residential	NCA01
R1297	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1298	3 LUNN COURT CABRAMATTA	Residential	NCA01
R1299	50 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1300	2 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1301	2 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1302	28 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1303	3 MYALL STREET CABRAMATTA	Residential	NCA01
R1304	26 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1305	37 CHURCH STREET YASS	Residential	NCA01
R1306	291 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1307	15 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1308	7 SHEAHAN STREET WARWICK FARM	Residential	NCA03
R1309	78 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1310	11 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1311	9 HILL STREET CABRAMATTA	Residential	NCA01
R1312	1 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1313	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1314	49 HILL STREET CABRAMATTA	Residential	NCA01
R1315	24 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1316	42 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1317	22 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1318	9 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1319	8 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1320	287 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1321	51 HILL STREET CABRAMATTA	Residential	NCA01
R1322	47 HILL STREET CABRAMATTA	Residential	NCA01
R1323	76 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1324	8 LUNN COURT CABRAMATTA	Residential	NCA01
R1325	72 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1326	20 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1327	289 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1328	37 CHURCH STREET YASS	Residential	NCA01
R1329	5 LUNN COURT CABRAMATTA	Residential	NCA01
R1330	9 HILL STREET CABRAMATTA	Residential	NCA01
R1331	74 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1332	70 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1333	16 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1334	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1335	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1336	18 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1337	48 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1338	80 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1339	14 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1340	52 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1341	43 HILL STREET CABRAMATTA	Residential	NCA01
R1342	68 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1343	31 HILL STREET CABRAMATTA	Residential	NCA01
R1344	9 HILL STREET CABRAMATTA	Residential	NCA01
R1345	56 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1346	39 HILL STREET CABRAMATTA	Residential	NCA01
R1347	54 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1348	117 JOHN STREET CABRAMATTA	Medical facility	NCA01
R1349	12 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1350	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Commercial	NCA04
R1351	10 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1352	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1353	6 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1354	10 LUNN COURT CABRAMATTA	Residential	NCA01
R1355	37 CHURCH STREET YASS	Residential	NCA01
R1356	7 LUNN COURT CABRAMATTA	Residential	NCA01
R1357	39 HILL STREET CABRAMATTA	Residential	NCA01
R1358	7 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1359	19 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1360	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1361	45 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1362	1 MYALL STREET CABRAMATTA	Residential	NCA01
R1363	8 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1364	39 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1365	6 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1366	29 HILL STREET CABRAMATTA	Residential	NCA01
R1367	5 HILL STREET CABRAMATTA	Residential	NCA01
R1368	263 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1369	64 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1370	31 HILL STREET CABRAMATTA	Residential	NCA01
R1371	4 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1372	60 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1373	46 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1374	29 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1375	43 EURABBIE STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1376	41 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1377	62 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1378	72 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1379	37 HILL STREET CABRAMATTA	Residential	NCA01
R1380	58 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1381	2 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1382	19 BEVERLEY AVENUE WARILLA	Residential	NCA01
R1383	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1384	27 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1385	35 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1386	10 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1387	14 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1388	37 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1389	29 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1390	31 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1391	285A SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1392	5 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1393	11 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1394	23 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1395	10 BOOYONG STREET CABRAMATTA	Residential	NCA01
R1396	21 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1397	19 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1398	2 MADDEN STREET OAK FLATS	Commercial	NCA01
R1399	27 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1400	33 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1401	14 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1402	285 SACKVILLE STREET CANLEY HEIGHTS	Residential	NCA01
R1403	2 ST JOHNS ROAD CABRAMATTA	Residential	NCA01
R1404	25 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1405	29 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1406	25 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1407	31 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1408	9 LUNN COURT CABRAMATTA	Residential	NCA01
R1409	RLWY LAND WARWICK STREET WARWICK FARM	Industrial	NCA03
R1410	13 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1411	21 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1412	109 JOHN STREET CABRAMATTA	Commercial	NCA01
R1413	19 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1414	23 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1415	12 LUNN COURT CABRAMATTA	Residential	NCA01
R1416	8 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1417	17 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1418	44 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1419	17 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1420	15 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1421	17 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1422	11 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1423	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1424	32 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1425	9 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1426	15 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1427	9 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1428	11 LUNN COURT CABRAMATTA	Residential	NCA01
R1429	12 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1430	NR HUGHES STREET CABRAMATTA	Commercial	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1431	18 MYALL STREET CABRAMATTA	Residential	NCA01
R1432	9 HILL STREET CABRAMATTA	Residential	NCA01
R1433	13 LUNN COURT CABRAMATTA	Residential	NCA01
R1434	28 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1435	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1436	3 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1437	13 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1438	42 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1439	14 MYALL STREET CABRAMATTA	Residential	NCA01
R1440	259 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1441	18 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1442	27 HILL STREET CABRAMATTA	Residential	NCA01
R1443	5 HILL STREET CABRAMATTA	Residential	NCA01
R1444	99 CHURCH STREET ALBION PARK	Commercial	NCA01
R1445	HART STREET WARWICK FARM	Commercial	NCA03
R1446	6 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1447	8 MYALL STREET CABRAMATTA	Residential	NCA01
R1448	5 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1449	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Commercial	NCA04
R1450	7 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1451	26 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1452	9 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1453	30 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1454	15 HILL STREET CABRAMATTA	Residential	NCA01
R1455	16 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1456	11 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1457	8 MYALL STREET CABRAMATTA	Residential	NCA01
R1458	102 JOHN STREET CABRAMATTA	Commercial	NCA01
R1459	15 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1460	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1461	1 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1462	7 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1463	3 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1464	22B SUSSEX STREET CABRAMATTA	Active recreation	NCA01
R1465	22 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1466	6 MYALL STREET CABRAMATTA	Residential	NCA01
R1467	300 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1468	89 PRINCES HIGHWAY GERRINGONG	Commercial	NCA01
R1469	20 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1470	1 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1471	5 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1472	14 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1473	4 MYALL STREET CABRAMATTA	Residential	NCA01
R1474	10 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1475	3 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1476	42 HILL STREET CABRAMATTA	Medical facility	NCA01
R1477	9 HILL STREET CABRAMATTA	Residential	NCA01
R1478	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1479	40 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1480	2 MYALL STREET CABRAMATTA	Residential	NCA01
R1481	24 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1482	251 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1483	50 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1484	246 CABRAMATTA ROAD CABRAMATTA	Industrial	NCA01
R1485	48 EURABBIE STREET CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R1486	40 HILL STREET CABRAMATTA	Commercial	NCA01
R1487	46 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1488	298 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1489	4 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1490	27 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1491	26 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1492	27 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1493	41A HUGHES STREET CABRAMATTA	Residential	NCA01
R1494	44 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1495	13 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1496	28 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1497	40 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1498	41A HUGHES STREET CABRAMATTA	Residential	NCA01
R1499	42 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1500	7 HILL STREET CABRAMATTA	Residential	NCA01
R1501	IVERPOOL HOSPITAL CANCER THERAPY CENTRE CAMPBELL STREET LIVERPOO	Commercial	NCA04
R1502	35 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1503	20 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1504	96 JOHN STREET CABRAMATTA	Commercial	NCA01
R1505	24 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1506	38 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1507	3 HILL STREET CABRAMATTA	Residential	NCA01
R1508	22 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1509	30 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1510	12 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1511	1 WYONG STREET CANLEY HEIGHTS	Residential	NCA01
R1512	36 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1513	30 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1514	2 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1515	296 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1516	34 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1517	38 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1518	34 HILL STREET CABRAMATTA	Residential	NCA01
R1519	16 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1520	65 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1521	32 HILL STREET CABRAMATTA	Residential	NCA01
R1522	18 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1523	23 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R1524	32 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1525	2 DERRIA STREET CANLEY HEIGHTS	Residential	NCA01
R1526	14 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1527	41 HUGHES STREET CABRAMATTA	Residential	NCA01
R1528	28 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1529	26 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1530	11 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1531	30 HILL STREET CABRAMATTA	Residential	NCA01
R1532	44 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1533	24 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1534	294 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1535	10 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1536	12 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1537	28 HILL STREET CABRAMATTA	Residential	NCA01
R1538	22 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1539	36 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1540	4 NICHOLLS STREET WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1541	42 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1542	20 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1543	25 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1544	36 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1545	10 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1546	18 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1547	8 FREEMAN STREET WARWICK FARM	Residential	NCA03
R1548	7 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R1549	39 HUGHES STREET CABRAMATTA	Residential	NCA01
R1550	16 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1551	23 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1552	22B SUSSEX STREET CABRAMATTA	Active recreation	NCA01
R1553	39 HUON STREET CABRAMATTA	Residential	NCA01
R1554	12 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1555	14 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1556	9 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1557	15 HUME HIGHWAY WARWICK FARM	Residential	NCA03
R1558	288 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1559	10 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1560	21 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1561	33 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1562	8 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1563	11 ACACIA STREET CABRAMATTA	Residential	NCA01
R1564	59 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1565	19 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1566	6 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1567	17 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1568	9 ACACIA STREET CABRAMATTA	Residential	NCA01
R1569	15 ACACIA STREET CABRAMATTA	Residential	NCA01
R1570	31 HUON STREET CABRAMATTA	Residential	NCA01
R1571	47 HUON STREET CABRAMATTA	Residential	NCA01
R1572	34 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1573	20 HILL STREET CABRAMATTA	Residential	NCA01
R1574	8 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1575	1 ACACIA STREET CABRAMATTA	Residential	NCA01
R1576	15 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1577	4 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1578	45 HUON STREET CABRAMATTA	Residential	NCA01
R1579	1 GLENAYR AVENUE WEST RYDE	Residential	NCA01
R1580	43 HUON STREET CABRAMATTA	Residential	NCA01
R1581	35 HUON STREET CABRAMATTA	Residential	NCA01
R1582	13 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1583	2 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1584	14 HILL STREET CABRAMATTA	Residential	NCA01
R1585	27 HUON STREET CABRAMATTA	Residential	NCA01
R1586	288 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1587	41 HUON STREET CABRAMATTA	Residential	NCA01
R1588	34 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1589	59 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1590	14 HILL STREET CABRAMATTA	Residential	NCA01
R1591	7 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1592	7 ACACIA STREET CABRAMATTA	Residential	NCA01
R1593	13 ACACIA STREET CABRAMATTA	Residential	NCA01
R1594	25 STATION STREET WARWICK FARM	Residential	NCA03
R1595	23 STATION STREET WARWICK FARM	Residential	NCA03

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1596	33 HUON STREET CABRAMATTA	Residential	NCA01
R1597	5 RANGOON ROAD MINNAMURRA	Residential	NCA01
R1598	37 HUON STREET CABRAMATTA	Residential	NCA01
R1599	39 HUON STREET CABRAMATTA	Residential	NCA01
R1600	8 HILL STREET CABRAMATTA	Residential	NCA01
R1601	11 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1602	5 ACACIA STREET CABRAMATTA	Residential	NCA01
R1603	6 EURABBIE STREET CABRAMATTA	Residential	NCA01
R1604	31 HUON STREET CABRAMATTA	Residential	NCA01
R1605	275 RIDGE ROAD CENTRAL TILBA	Residential	NCA01
R1606	288 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1607	9 STATION STREET WARWICK FARM	Residential	NCA03
R1608	29 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1609	25 HUON STREET CABRAMATTA	Residential	NCA01
R1610	8 HILL STREET CABRAMATTA	Residential	NCA01
R1611	19 HUON STREET CABRAMATTA	Residential	NCA01
R1612	21 STATION STREET WARWICK FARM	Residential	NCA03
R1613	27 HUON STREET CABRAMATTA	Residential	NCA01
R1614	21 HUON STREET CABRAMATTA	Residential	NCA01
R1615	17 HUON STREET CABRAMATTA	Residential	NCA01
R1616	13 STATION STREET WARWICK FARM	Residential	NCA03
R1617	86 JOHN STREET CABRAMATTA	Commercial	NCA01
R1618	4 HILL STREET CABRAMATTA	Residential	NCA01
R1619	19 GREY STREET ALBION PARK	Residential	NCA01
R1620	28 HILL STREET CABRAMATTA	Residential	NCA01
R1621	29 HUON STREET CABRAMATTA	Residential	NCA01
R1622	3 ACACIA STREET CABRAMATTA	Residential	NCA01
R1623	17 STATION STREET WARWICK FARM	Residential	NCA03
R1624	15 STATION STREET WARWICK FARM	Residential	NCA03
R1625	23 HUON STREET CABRAMATTA	Residential	NCA01
R1626	6 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1627	32 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1628	19 STATION STREET WARWICK FARM	Residential	NCA03
R1629	35 HUGHES STREET CABRAMATTA	Residential	NCA01
R1630	32 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1631	5 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1632	59 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1633	4 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1634	1 ACACIA STREET CABRAMATTA	Residential	NCA01
R1635	59 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1636	284 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1637	7 HUON STREET CABRAMATTA	Residential	NCA01
R1639	34 AMBASSADOR AVENUE NORTH NOWRA	Residential	NCA01
R1640	9 HUON STREET CABRAMATTA	Residential	NCA01
R1641	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1642	11 STATION STREET WARWICK FARM	Residential	NCA03
R1643	13 HUON STREET CABRAMATTA	Residential	NCA01
R1644	15 HUON STREET CABRAMATTA	Residential	NCA01
R1645	29 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1646	1 ACACIA STREET CABRAMATTA	Residential	NCA01
R1647	30 SUSSEX STREET CABRAMATTA	Residential	NCA01
R1648	21C MANNING STREET WARWICK FARM	Residential	NCA04
R1649	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1650	275 RIDGE ROAD CENTRAL TILBA	Residential	NCA01
R1651	34 AMBASSADOR AVENUE NORTH NOWRA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R1652	11 HUON STREET CABRAMATTA	Residential	NCA01
R1653	7 STATION STREET WARWICK FARM	Residential	NCA03
R1655	9 STATION STREET WARWICK FARM	Residential	NCA03
R1656	5 STATION STREET WARWICK FARM	Residential	NCA03
R1657	4 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1659	19 MANNING STREET WARWICK FARM	Residential	NCA04
R1660	247 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1661	31 HUGHES STREET CABRAMATTA	Residential	NCA01
R1662	5 HUON STREET CABRAMATTA	Residential	NCA01
R1663	3 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1664	34 AMBASSADOR AVENUE NORTH NOWRA	Residential	NCA01
R1665	282 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1666	21C MANNING STREET WARWICK FARM	Residential	NCA04
R1667	55 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1669	1 HUON STREET CABRAMATTA	Residential	NCA01
R1670	17 MANNING STREET WARWICK FARM	Residential	NCA04
R1671	3 STATION STREET WARWICK FARM	Residential	NCA03
R1672	2 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1673	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1674	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1675	3 HUON STREET CABRAMATTA	Residential	NCA01
R1676	19 MANNING STREET WARWICK FARM	Residential	NCA04
R1677	8 BARTLEY STREET CABRAMATTA	Residential	NCA01
R1678	27 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1679	52 HUON STREET CABRAMATTA	Residential	NCA01
R1680	15 MANNING STREET WARWICK FARM	Residential	NCA04
R1681	50 HUON STREET CABRAMATTA	Residential	NCA01
R1682	48 HUON STREET CABRAMATTA	Residential	NCA01
R1683	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1684	282 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1685	46 HUON STREET CABRAMATTA	Residential	NCA01
R1686	2 STATION STREET WARWICK FARM	Residential	NCA03
R1687	44 HUON STREET CABRAMATTA	Residential	NCA01
R1688	31 HUGHES STREET CABRAMATTA	Residential	NCA01
R1689	26 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1690	13 MANNING STREET WARWICK FARM	Residential	NCA04
R1691	42 HUON STREET CABRAMATTA	Residential	NCA01
R1692	40 HUON STREET CABRAMATTA	Residential	NCA01
R1693	1 NICHOLLS STREET WARWICK FARM	Residential	NCA03
R1694	21B MANNING STREET WARWICK FARM	Residential	NCA04
R1695	38 HUON STREET CABRAMATTA	Residential	NCA01
R1696	11 MANNING STREET WARWICK FARM	Residential	NCA04
R1697	33 HERITAGE DRIVE ILLAWONG	Residential	NCA01
R1698	36 HUON STREET CABRAMATTA	Residential	NCA01
R1699	41 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R1700	6 BARTLEY STREET CABRAMATTA	Residential	NCA01
R1701	19 MANNING STREET WARWICK FARM	Residential	NCA04
R1702	9 MANNING STREET WARWICK FARM	Residential	NCA04
R1703	34 HUON STREET CABRAMATTA	Residential	NCA01
R1704	25 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1705	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1706	32 HUON STREET CABRAMATTA	Residential	NCA01
R1707	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	NCA03
R1708	243 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1709	7 MANNING STREET WARWICK FARM	Residential	NCA04

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1710	17 MANNING STREET WARWICK FARM	Residential	NCA04
R1711	30 HUON STREET CABRAMATTA	Residential	NCA01
R1712	91 ILLAROO ROAD NORTH NOWRA	Industrial	NCA01
R1713	26 HUON STREET CABRAMATTA	Residential	NCA01
R1714	28 HUON STREET CABRAMATTA	Residential	NCA01
R1715	24 HUGHES STREET CABRAMATTA	Commercial	NCA01
R1716	18 ACACIA STREET CABRAMATTA	Residential	NCA01
R1717	24 HUON STREET CABRAMATTA	Residential	NCA01
R1718	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1719	26 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1720	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1721	22 HUON STREET CABRAMATTA	Residential	NCA01
R1722	9 MANNING STREET WARWICK FARM	Residential	NCA04
R1723	21B MANNING STREET WARWICK FARM	Residential	NCA04
R1724	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1725	4 BARTLEY STREET CABRAMATTA	Residential	NCA01
R1726	25 HUGHES STREET CABRAMATTA	Residential	NCA01
R1727	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1728	18 ACACIA STREET CABRAMATTA	Residential	NCA01
R1729	20 HUON STREET CABRAMATTA	Residential	NCA01
R1730	13 GILMORE STREET CABRAMATTA	Residential	NCA01
R1731	11 MANNING STREET WARWICK FARM	Residential	NCA04
R1732	18 HUON STREET CABRAMATTA	Residential	NCA01
R1733	12 ACACIA STREET CABRAMATTA	Residential	NCA01
R1734	8 ACACIA STREET CABRAMATTA	Residential	NCA01
R1735	16 HUON STREET CABRAMATTA	Residential	NCA01
R1736	6 ACACIA STREET CABRAMATTA	Residential	NCA01
R1737	10 ACACIA STREET CABRAMATTA	Residential	NCA01
R1738	205 MIDSON ROAD EPPING	Residential	NCA01
R1739	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	NCA03
R1740	14 HUON STREET CABRAMATTA	Residential	NCA01
R1741	7 MANNING STREET WARWICK FARM	Residential	NCA04
R1742	229 CORKHILL DRIVE TILBA TILBA	Residential	NCA01
R1743	12 HUON STREET CABRAMATTA	Residential	NCA01
R1744	15 MANNING STREET WARWICK FARM	Residential	NCA04
R1745	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1746	278 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1747	7 MANNING STREET WARWICK FARM	Residential	NCA04
R1748	278 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1749	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1750	18 ACACIA STREET CABRAMATTA	Residential	NCA01
R1751	7 MANNING STREET WARWICK FARM	Residential	NCA04
R1752	49 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1753	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1754	24 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1755	8 HUON STREET CABRAMATTA	Residential	NCA01
R1756	24 HUON STREET CABRAMATTA	Residential	NCA01
R1757	2 ACACIA STREET CABRAMATTA	Residential	NCA01
R1758	10 HUON STREET CABRAMATTA	Residential	NCA01
R1759	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1760	6 HUON STREET CABRAMATTA	Residential	NCA01
R1761	7 GILMORE STREET CABRAMATTA	Residential	NCA01
R1762	67 CHURCH STREET CABRAMATTA	Residential	NCA01
R1763	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1764	69 CHURCH STREET CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R1765	49 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1766	4 HUON STREET CABRAMATTA	Residential	NCA01
R1767	4 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R1768	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1769	59 CHURCH STREET CABRAMATTA	Residential	NCA01
R1770	13 MANNING STREET WARWICK FARM	Residential	NCA04
R1771	7 GILMORE STREET CABRAMATTA	Residential	NCA01
R1772	21A MANNING STREET WARWICK FARM	Residential	NCA04
R1773	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1774	2 HUON STREET CABRAMATTA	Residential	NCA01
R1775	91 JOHN STREET CABRAMATTA	Commercial	NCA01
R1776	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1777	227 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R1778	2 BARTLEY STREET CABRAMATTA	Residential	NCA01
R1779	4 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R1780	19 MANNING STREET WARWICK FARM	Residential	NCA04
R1781	15 MANNING STREET WARWICK FARM	Residential	NCA04
R1782	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1783	11 MANNING STREET WARWICK FARM	Residential	NCA04
R1784	230 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1785	22 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1786	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1787	49 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1788	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1789	12 SUSSEX STREET CABRAMATTA	Commercial	NCA01
R1790	63 CHURCH STREET CABRAMATTA	Residential	NCA01
R1791	17 MANNING STREET WARWICK FARM	Residential	NCA04
R1792	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1793	278 SACKVILLE STREET CANLEY VALE	Residential	NCA01
R1794	43 CHURCH STREET CABRAMATTA	Residential	NCA01
R1795	65 CHURCH STREET CABRAMATTA	Residential	NCA01
R1796	49 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1797	15 GILMORE STREET CABRAMATTA	Residential	NCA01
R1798	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1799	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1800	13 MANNING STREET WARWICK FARM	Residential	NCA04
R1801	45 CHURCH STREET CABRAMATTA	Residential	NCA01
R1802	19 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1803	61 CHURCH STREET CABRAMATTA	Residential	NCA01
R1804	19 GILMORE STREET CABRAMATTA	Residential	NCA01
R1805	13 GILMORE STREET CABRAMATTA	Residential	NCA01
R1806	15 MANNING STREET WARWICK FARM	Residential	NCA04
R1807	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1808	57 CHURCH STREET CABRAMATTA	Residential	NCA01
R1809	41 CHURCH STREET CABRAMATTA	Residential	NCA01
R1810	57 CHURCH STREET CABRAMATTA	Residential	NCA01
R1811	11 GILMORE STREET CABRAMATTA	Residential	NCA01
R1812	17 GILMORE STREET CABRAMATTA	Residential	NCA01
R1813	59 CHURCH STREET CABRAMATTA	Residential	NCA01
R1814	13 STATION STREET WARWICK FARM	Industrial	NCA04
R1815	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1816	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1817	11 MANNING STREET WARWICK FARM	Residential	NCA04
R1818	14 ACACIA STREET CABRAMATTA	Residential	NCA01
R1819	1 MANNING STREET WARWICK FARM	Residential	NCA04

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Receiver ID	Address	Receiver Type	NCA
R1820	39 CHURCH STREET CABRAMATTA	Residential	NCA01
R1821	55 CHURCH STREET CABRAMATTA	Residential	NCA01
R1822	5 GILMORE STREET CABRAMATTA	Residential	NCA01
R1823	45 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1824	53 CHURCH STREET CABRAMATTA	Residential	NCA01
R1825	33 CHURCH STREET CABRAMATTA	Residential	NCA01
R1826	9 MANNING STREET WARWICK FARM	Residential	NCA04
R1827	20 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1828	51 CHURCH STREET CABRAMATTA	Residential	NCA01
R1829	23 HUGHES STREET CABRAMATTA	Residential	NCA01
R1830	13 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R1831	226 CABRAMATTA ROAD CABRAMATTA	Residential	NCA01
R1832	3 GILMORE STREET CABRAMATTA	Residential	NCA01
R1833	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1834	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1835	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1836	49 CHURCH STREET CABRAMATTA	Residential	NCA01
R1837	7 MANNING STREET WARWICK FARM	Residential	NCA04
R1838	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1839	51 CHURCH STREET CABRAMATTA	Residential	NCA01
R1840	47 CHURCH STREET CABRAMATTA	Residential	NCA01
R1841	43 CHURCH STREET CABRAMATTA	Residential	NCA01
R1842	45 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1843	45 CHURCH STREET CABRAMATTA	Residential	NCA01
R1844	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1845	41 CHURCH STREET CABRAMATTA	Residential	NCA01
R1846	1 BOLIVIA STREET CABRAMATTA	Residential	NCA01
R1847	37 CHURCH STREET CABRAMATTA	Residential	NCA01
R1848	21 HUGHES STREET CABRAMATTA	Residential	NCA01
R1849	11 CHURCH STREET CABRAMATTA	Residential	NCA01
R1850	224 CABRAMATTA ROAD CABRAMATTA	Industrial	NCA01
R1851	1 MANNING STREET WARWICK FARM	Residential	NCA04
R1852	39 CHURCH STREET CABRAMATTA	Residential	NCA01
R1853	18 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1854	13 CHURCH STREET CABRAMATTA	Residential	NCA01
R1855	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1856	48 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1857	35 CHURCH STREET CABRAMATTA	Residential	NCA01
R1858	15 CHURCH STREET CABRAMATTA	Residential	NCA01
R1859	45 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1860	14 MANNING STREET WARWICK FARM	Residential	NCA04
R1861	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Industrial	NCA04
R1862	12B MANNING STREET WARWICK FARM	Residential	NCA04
R1863	27 CHURCH STREET CABRAMATTA	Residential	NCA01
R1864	3 CHURCH STREET CABRAMATTA	Residential	NCA01
R1865	12B MANNING STREET WARWICK FARM	Residential	NCA04
R1866	33 CHURCH STREET CABRAMATTA	Residential	NCA01
R1867	12A MANNING STREET WARWICK FARM	Residential	NCA04
R1868	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1869	17 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1870	45 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1871	14 MANNING STREET WARWICK FARM	Residential	NCA04
R1872	12A MANNING STREET WARWICK FARM	Residential	NCA04
R1873	5 MANNING STREET WARWICK FARM	Residential	NCA04
R1874	29 CHURCH STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1875	9 DORA STREET DORA CREEK	Residential	NCA01
R1876	31 CHURCH STREET CABRAMATTA	Residential	NCA01
R1877	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1878	33 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R1879	17 CHURCH STREET CABRAMATTA	Residential	NCA01
R1880	47 PARK ROAD CABRAMATTA	Commercial	NCA01
R1881	19 HUGHES STREET CABRAMATTA	Residential	NCA01
R1882	16 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1883	10 MANNING STREET WARWICK FARM	Residential	NCA04
R1884	14 MANNING STREET WARWICK FARM	Residential	NCA04
R1885	19 CHURCH STREET CABRAMATTA	Residential	NCA01
R1886	8 MANNING STREET WARWICK FARM	Residential	NCA04
R1887	17 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1888	8 MANNING STREET WARWICK FARM	Residential	NCA04
R1889	25 CHURCH STREET CABRAMATTA	Residential	NCA01
R1890	29 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R1891	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1892	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Industrial	NCA04
R1893	64 CHURCH STREET CABRAMATTA	Residential	NCA01
R1894	12A MANNING STREET WARWICK FARM	Residential	NCA04
R1895	41 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1896	16 GILMORE STREET CABRAMATTA	Residential	NCA01
R1897	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1898	6 MANNING STREET WARWICK FARM	Residential	NCA04
R1899	62 CHURCH STREET CABRAMATTA	Residential	NCA01
R1900	10 MANNING STREET WARWICK FARM	Residential	NCA04
R1901	16 GILMORE STREET CABRAMATTA	Residential	NCA01
R1902	46 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1903	60 CHURCH STREET CABRAMATTA	Residential	NCA01
R1904	29 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R1905	15 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1906	251 RAILWAY PARADE CABRAMATTA	Industrial	NCA01
R1907	58 CHURCH STREET CABRAMATTA	Residential	NCA01
R1908	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1909	12B MANNING STREET WARWICK FARM	Residential	NCA04
R1910	208 CABRAMATTA ROAD CABRAMATTA	Industrial	NCA01
R1911	14 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1912	5 FREEDOM PLAZA CABRAMATTA	Commercial	NCA01
R1913	56 CHURCH STREET CABRAMATTA	Residential	NCA01
R1914	12A MANNING STREET WARWICK FARM	Residential	NCA04
R1915	14 MANNING STREET WARWICK FARM	Residential	NCA04
R1916	2 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1917	4 MANNING STREET WARWICK FARM	Residential	NCA04
R1918	52 CHURCH STREET CABRAMATTA	Residential	NCA01
R1919	PARK ROAD CABRAMATTA	Educational institute	NCA01
R1920	54 CHURCH STREET CABRAMATTA	Residential	NCA01
R1921	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1922	41 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1923	SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R1924	18 MUNDAY STREET WARWICK FARM	Residential	NCA04
R1925	4 MANNING STREET WARWICK FARM	Residential	NCA04
R1926	50 CHURCH STREET CABRAMATTA	Residential	NCA01
R1927	10 MANNING STREET WARWICK FARM	Residential	NCA04
R1928	18 MUNDAY STREET WARWICK FARM	Residential	NCA04
R1929	48 CHURCH STREET CABRAMATTA	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R1930	2 MANNING STREET WARWICK FARM	Residential	NCA04
R1931	67 JOHN STREET CABRAMATTA	Commercial	NCA01
R1932	4 MANNING STREET WARWICK FARM	Residential	NCA04
R1933	44 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1934	44 CHURCH STREET CABRAMATTA	Residential	NCA01
R1935	16 GILMORE STREET CABRAMATTA	Residential	NCA01
R1936	2 MANNING STREET WARWICK FARM	Residential	NCA04
R1937	18 MUNDAY STREET WARWICK FARM	Residential	NCA04
R1938	13 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1939	12 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1940	4 MANNING STREET WARWICK FARM	Residential	NCA04
R1941	39 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1942	3 MALLEE STREET CABRAMATTA	Residential	NCA01
R1943	15 BULL STREET WARWICK FARM	Residential	NCA04
R1944	44 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1945	62 CHURCH STREET CABRAMATTA	Residential	NCA01
R1946	13 BULL STREET WARWICK FARM	Residential	NCA04
R1947	SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R1948	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1949	11 BULL STREET WARWICK FARM	Residential	NCA04
R1950	11 BULL STREET WARWICK FARM	Residential	NCA04
R1951	13 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R1952	39 PARK ROAD CABRAMATTA	Place of worship	NCA01
R1953	38 CHURCH STREET CABRAMATTA	Residential	NCA01
R1954	11 BULL STREET WARWICK FARM	Residential	NCA04
R1955	27 PARK ROAD CABRAMATTA	Residential	NCA01
R1956	44 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R1957	13 BULL STREET WARWICK FARM	Residential	NCA04
R1958	11 BULL STREET WARWICK FARM	Residential	NCA04
R1959	32 CHURCH STREET CABRAMATTA	Residential	NCA01
R1960	36 CHURCH STREET CABRAMATTA	Residential	NCA01
R1961	9 BULL STREET WARWICK FARM	Residential	NCA04
R1962	11 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R1963	3 MALLEE STREET CABRAMATTA	Residential	NCA01
R1964	9 BULL STREET WARWICK FARM	Residential	NCA04
R1965	4 MANNING STREET WARWICK FARM	Residential	NCA04
R1966	9 BULL STREET WARWICK FARM	Residential	NCA04
R1967	34 CHURCH STREET CABRAMATTA	Residential	NCA01
R1968	37 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1969	15 BULL STREET WARWICK FARM	Residential	NCA04
R1970	9 BULL STREET WARWICK FARM	Residential	NCA04
R1971	16 GILMORE STREET CABRAMATTA	Residential	NCA01
R1972	7 BULL STREET WARWICK FARM	Residential	NCA04
R1973	350 HAWKEN ROAD TOMERONG	Residential	NCA01
R1974	30 CHURCH STREET CABRAMATTA	Residential	NCA01
R1975	12 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1976	37 PARK ROAD CABRAMATTA	Residential	NCA01
R1977	2 MANNING STREET WARWICK FARM	Residential	NCA04
R1978	5 BULL STREET WARWICK FARM	Residential	NCA04
R1979	23 PARK ROAD CABRAMATTA	Residential	NCA01
R1980	28 CHURCH STREET CABRAMATTA	Residential	NCA01
R1981	18 MUNDAY STREET WARWICK FARM	Residential	NCA04
R1982	26 CHURCH STREET CABRAMATTA	Residential	NCA01
R1983	24 CHURCH STREET CABRAMATTA	Residential	NCA01
R1984	35 PARK ROAD CABRAMATTA	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R1985	37 BARTLEY STREET CANLEY VALE	Residential	NCA01
R1986	16 MUNDAY STREET WARWICK FARM	Residential	NCA04
R1987	42 CHURCH STREET CABRAMATTA	Industrial	NCA01
R1988	33 PARK ROAD CABRAMATTA	Residential	NCA01
R1989	13 BULL STREET WARWICK FARM	Residential	NCA04
R1990	2 COOLIBAH AVENUE CONJOLA PARK	Residential	NCA01
R1991	27 PARK ROAD CABRAMATTA	Residential	NCA01
R1992	11 BULL STREET WARWICK FARM	Residential	NCA04
R1993	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R1994	13 BULL STREET WARWICK FARM	Residential	NCA04
R1995	22 CHURCH STREET CABRAMATTA	Residential	NCA01
R1996	32 CHURCH STREET CABRAMATTA	Residential	NCA01
R1997	5 BULL STREET WARWICK FARM	Residential	NCA04
R1998	25 PARK ROAD CABRAMATTA	Residential	NCA01
R1999	2 COOLIBAH AVENUE CONJOLA PARK	Residential	NCA01
R2000	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2001	1 BULL STREET WARWICK FARM	Residential	NCA04
R2002	9 BULL STREET WARWICK FARM	Residential	NCA04
R2003	20 CHURCH STREET CABRAMATTA	Residential	NCA01
R2004	3 BULL STREET WARWICK FARM	Residential	NCA04
R2005	29 PARK ROAD CABRAMATTA	Residential	NCA01
R2006	18 CHURCH STREET CABRAMATTA	Residential	NCA01
R2007	15 PARK ROAD CABRAMATTA	Residential	NCA01
R2008	41 PARK ROAD CABRAMATTA	Residential	NCA01
R2009	16 CHURCH STREET CABRAMATTA	Residential	NCA01
R2010	15 PARK ROAD CABRAMATTA	Residential	NCA01
R2011	40 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2012	16 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2013	5 BULL STREET WARWICK FARM	Residential	NCA04
R2014	14 CHURCH STREET CABRAMATTA	Residential	NCA01
R2015	190 TOWNVIEW ROAD MOUNT PRITCHARD	Residential	NCA01
R2016	1 MALLEE STREET CABRAMATTA	Residential	NCA01
R2017	11 BULL STREET WARWICK FARM	Residential	NCA04
R2018	9 BULL STREET WARWICK FARM	Residential	NCA04
R2019	35 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2020	19 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2021	7 MCBURNEY ROAD CABRAMATTA	Residential	NCA01
R2022	51 JOHN STREET CABRAMATTA	Commercial	NCA01
R2023	5 BULL STREET WARWICK FARM	Residential	NCA04
R2024	8 CHURCH STREET CABRAMATTA	Residential	NCA01
R2025	35 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2026	4 CHURCH STREET CABRAMATTA	Residential	NCA01
R2027	5 BULL STREET WARWICK FARM	Residential	NCA04
R2028	240 RAILWAY PARADE CABRAMATTA	Industrial	NCA01
R2029	16 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2030	7 MCBURNEY ROAD CABRAMATTA	Place of worship	NCA01
R2031	10A WHIFFENS LANE CENTRAL TILBA	Residential	NCA01
R2032	5 BULL STREET WARWICK FARM	Residential	NCA04
R2033	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2034	32 CHURCH STREET CABRAMATTA	Residential	NCA01
R2035	PARK ROAD CABRAMATTA	Place of worship	NCA01
R2036	38 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2037	3 BULL STREET WARWICK FARM	Residential	NCA04
R2038	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2039	50 PARK ROAD CABRAMATTA	Commercial	NCA01

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Receiver ID	Address	Receiver Type	NCA
R2040	28 CHURCH STREET CABRAMATTA	Residential	NCA01
R2041	3 BULL STREET WARWICK FARM	Residential	NCA04
R2042	1 BULL STREET WARWICK FARM	Residential	NCA04
R2043	36 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2044	44 PARK ROAD CABRAMATTA	Commercial	NCA01
R2045	14 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2046	1 BULL STREET WARWICK FARM	Residential	NCA04
R2047	14 BULL STREET WARWICK FARM	Residential	NCA04
R2048	12 BULL STREET WARWICK FARM	Residential	NCA04
R2049	22 LLEWELLYN STREET OATLEY	Residential	NCA01
R2050	190 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R2051	235 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2052	29 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R2053	20 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2054	12 BULL STREET WARWICK FARM	Residential	NCA04
R2055	230 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2056	40 PARK ROAD CABRAMATTA	Commercial	NCA01
R2057	PARK ROAD CABRAMATTA	Residential	NCA01
R2058	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2059	36 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2060	17 PARK ROAD CABRAMATTA	Residential	NCA01
R2061	238 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2062	14 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2063	12 BULL STREET WARWICK FARM	Residential	NCA04
R2064	14 CHURCH STREET CABRAMATTA	Residential	NCA01
R2065	15 PARK ROAD CABRAMATTA	Residential	NCA01
R2066	36 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2067	10B BULL STREET WARWICK FARM	Residential	NCA04
R2068	14 BULL STREET WARWICK FARM	Residential	NCA04
R2069	40 ARTHUR STREET CABRAMATTA	Commercial	NCA01
R2070	235 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2071	14 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2072	231 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2073	190 TOWNVIEW ROAD MOUNT PRITCHARD	Residential	NCA01
R2074	31 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2075	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2076	8 BULL STREET WARWICK FARM	Residential	NCA04
R2077	14 BULL STREET WARWICK FARM	Residential	NCA04
R2078	6 BULL STREET WARWICK FARM	Residential	NCA04
R2079	8 BULL STREET WARWICK FARM	Residential	NCA04
R2080	34 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2081	232 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2082	PARK ROAD CABRAMATTA	Residential	NCA01
R2083	234 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2084	10A BULL STREET WARWICK FARM	Residential	NCA04
R2085	SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2086	34 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2087	228 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2089	32 PARK ROAD CABRAMATTA	Commercial	NCA01
R2090	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2091	21 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2092	233 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2093	231 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2094	4 EQUITY PLACE CANLEY VALE	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R2095	6 BULL STREET WARWICK FARM	Residential	NCA04
R2096	4 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2097	17 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2098	30 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2099	26 PARK ROAD CABRAMATTA	Commercial	NCA01
R2100	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2101	8 MCBURNEY ROAD CABRAMATTA	Commercial	NCA01
R2102	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2103	178 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R2104	24 PARK ROAD CABRAMATTA	Commercial	NCA01
R2105	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2106	SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2107	30 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2108	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2109	10 SUSSEX STREET CABRAMATTA	Residential	NCA02
R2110	226 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2111	6 BULL STREET WARWICK FARM	Residential	NCA04
R2112	225 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2113	12 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2114	227 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2115	17 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2116	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2117	30 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2118	225 RAILWAY PARADE CABRAMATTA	Residential	NCA01
R2119	193 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2120	12 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2121	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2122	176 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2123	17 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2124	17 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2125	224 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2126	77 JERVIS STREET NOWRA	Commercial	NCA01
R2127	30 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2128	174 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2129	3 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2130	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2131	15 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2132	31 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2133	17 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2134	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2135	80 NORTHCOVE ROAD LONG BEACH	Residential	NCA02
R2136	17 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2137	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2138	170 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2139	180 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2140	168 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2141	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2142	SUSSEX STREET CABRAMATTA	Residential	NCA02
R2143	4 MCBURNEY ROAD CABRAMATTA	Commercial	NCA01
R2144	17 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2145	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2146	166 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2147	2 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2148	13 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2149	166 BROOMFIELD STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2150	2 HUGHES STREET CABRAMATTA	Commercial	NCA01
R2151	4 MCBURNEY ROAD CABRAMATTA	Commercial	NCA01
R2152	164 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2153	17 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2154	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2155	13 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2156	12 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2157	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2158	158 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2159	162 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2160	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2161	160 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2162	1 EQUITY PLACE CANLEY VALE	Residential	NCA01
R2163	45 PHELPS STREET CANLEY VALE	Residential	NCA01
R2164	15 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2165	170 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA01
R2166	156 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2167	195 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2168	26 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2169	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2170	32 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R2171	10 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2172	6 SUSSEX STREET CABRAMATTA	Residential	NCA02
R2173	20 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R2174	29 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2175	172 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2176	154 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2177	15 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2178	152 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2179	53 JELLICOE STREET HURSTVILLE GROVE	Residential	NCA01
R2180	17 BARTLEY STREET CANLEY VALE	Residential	NCA01
R2181	150 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2182	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2183	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2184	148 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2185	4 SUSSEX STREET CABRAMATTA	Residential	NCA02
R2186	2 MCBURNEY ROAD CABRAMATTA	Commercial	NCA01
R2187	10 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2188	37 PHELPS STREET CANLEY VALE	Residential	NCA01
R2189	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2190	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2191	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2192	146 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2193	10 MUNDAY STREET WARWICK FARM	Residential	NCA04
R2194	144 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2195	1 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2196	158 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2197	27 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2198	158 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2199	37 PHELPS STREET CANLEY VALE	Residential	NCA01
R2200	162 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2201	138 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2202	178A RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2203	4 SUSSEX STREET CABRAMATTA	Residential	NCA02
R2204	27 PEVENSEY STREET CANLEY VALE	Residential	NCA01

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2205	172 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2206	1 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2207	27 PHELPS STREET CANLEY VALE	Residential	NCA01
R2208	136 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2209	1 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2210	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2211	27 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2212	134 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2213	20 SCRIVENER STREET WARWICK FARM	Industrial	NCA04
R2214	5 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2215	165 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2216	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2217	165 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2218	57 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2219	1 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2220	130 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2221	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2222	156 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2223	114 ILLAROO ROAD NORTH NOWRA	Residential	NCA02
R2224	27 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2225	152 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2226	150 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2227	2 MCBURNEY ROAD CABRAMATTA	Active recreation	NCA01
R2228	1 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2229	128 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2230	16 STROUD AVENUE WARWICK FARM	Active recreation	NCA04
R2231	114 ILLAROO ROAD NORTH NOWRA	Residential	NCA02
R2232	16 STROUD AVENUE WARWICK FARM	Active recreation	NCA04
R2233	16 STROUD AVENUE WARWICK FARM	Active recreation	NCA04
R2234	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2235	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2236	45 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2237	126 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2238	47 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2239	124 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2240	27 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2241	57 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2242	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2243	59 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2245	27 PHELPS STREET CANLEY VALE	Residential	NCA01
R2246	144 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2247	122 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2248	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2249	53 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2250	1 BARTLEY STREET CANLEY VALE	Place of worship	NCA01
R2251	16 STROUD AVENUE WARWICK FARM	Active recreation	NCA04
R2252	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2253	37 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2254	118 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2255	120 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2256	55 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2257	23 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2258	46 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2259	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2260	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01

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Receiver ID	Address	Receiver Type	NCA
R2261	51 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2262	116 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2263	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2264	46 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2265	27 PHELPS STREET CANLEY VALE	Residential	NCA01
R2266	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2267	35 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2268	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2269	5 MCBURNEY ROAD CABRAMATTA	Active recreation	NCA01
R2270	165 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2271	114 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2272	47 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2273	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2274	49 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2276	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2277	112B BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2278	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2279	41 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2280	45 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2281	130 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2282	25 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2283	43 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2284	118 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2285	37 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2286	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2287	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2288	116 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2290	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2291	39 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2292	21 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2293	2 STROUD AVENUE WARWICK FARM	Commercial	NCA04
R2294	106 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2295	114 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2296	33 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2297	27 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2298	21 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2299	54 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2300	31 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2301	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2302	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2303	25 PHELPS STREET CANLEY VALE	Residential	NCA01
R2304	21 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2305	112B BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2306	118 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2307	108 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2308	52 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2309	165 RAILWAY PARADE CABRAMATTA	Commercial	NCA01
R2310	25 PHELPS STREET CANLEY VALE	Residential	NCA01
R2311	104 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2312	54 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2313	116 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2315	1 BARTLEY STREET CANLEY VALE	Active recreation	NCA01
R2316	50 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2317	48 NATIONAL STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2318	150 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA02
R2319	100 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2320	23 PHELPS STREET CANLEY VALE	Residential	NCA01
R2321	46 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2322	44 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2323	23 PHELPS STREET CANLEY VALE	Residential	NCA01
R2324	27 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2325	25 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2326	2 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2327	17 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2328	42 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2329	90 BROOMFIELD STREET CABRAMATTA	Commercial	NCA02
R2330	23 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2331	40 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2332	11 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2333	19 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2334	2 STROUD AVENUE WARWICK FARM	Commercial	NCA04
R2335	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2336	50 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2337	108 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2338	26 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2339	15 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2340	53 NORTHCOVE ROAD LONG BEACH	Commercial	NCA02
R2341	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2342	26 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2343	2 FOREST OAK AVENUE ULLADULLA	Residential	NCA02
R2344	1 BARTLEY STREET CANLEY VALE	Active recreation	NCA01
R2345	22 PHELPS STREET CANLEY VALE	Residential	NCA01
R2346	24 PHELPS STREET CANLEY VALE	Residential	NCA01
R2347	147 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA02
R2348	13 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2349	36 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2350	9 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2351	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2352	253 HORSE ISLAND ROAD BODALLA	Commercial	NCA02
R2353	7 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2354	34 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2355	20 PHELPS STREET CANLEY VALE	Residential	NCA01
R2356	32 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2357	18 PHELPS STREET CANLEY VALE	Residential	NCA01
R2358	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2359	48 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2360	46A NATIONAL STREET CABRAMATTA	Residential	NCA02
R2361	44 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2362	30 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2363	5 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2364	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2365	16 PHELPS STREET CANLEY VALE	Residential	NCA01
R2366	1 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2367	137 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA02
R2368	70 BROOMFIELD STREET CABRAMATTA	Place of worship	NCA02
R2369	14 PHELPS STREET CANLEY VALE	Residential	NCA01
R2370	72 BROOMFIELD STREET CABRAMATTA	Commercial	NCA02
R2371	1 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2372	3 NATIONAL STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2373	12 PHELPS STREET CANLEY VALE	Residential	NCA01
R2374	10 STROUD AVENUE WARWICK FARM	Residential	NCA04
R2375	1 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2376	2 STROUD AVENUE WARWICK FARM	Commercial	NCA04
R2377	10 PHELPS STREET CANLEY VALE	Residential	NCA01
R2378	17 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2379	24 PHELPS STREET CANLEY VALE	Residential	NCA01
R2380	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2381	42 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2382	22 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2383	26 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2384	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2385	28 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2386	68 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2387	24 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2388	66 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2389	3A LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2390	22 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2391	64 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2392	1A LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2393	34 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2394	44 SALMON STREET TUROSS HEAD	Residential	NCA02
R2395	20 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2396	27 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2397	70 BROOMFIELD STREET CABRAMATTA	Commercial	NCA02
R2398	3 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2399	40 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2400	1 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2401	69 MALONEYS DRIVE MALONEYS BEACH	Residential	NCA02
R2402	100 THE ANCHORAGE MORUYA HEADS	Residential	NCA02
R2403	19 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2404	16 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2405	18 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2406	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2407	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2408	571 WALLABY GULLY ROAD ELLALONG	Residential	NCA02
R2409	14 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2410	6 PHELPS STREET CANLEY VALE	Residential	NCA01
R2411	12 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2412	38 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2413	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2414	45 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2415	1 SAPPHO ROAD WARWICK FARM	Industrial	NCA04
R2416	10 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2417	13 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2418	38 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2419	54 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2420	19 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2421	6 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2422	18 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2423	1 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04
R2424	17 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2425	8 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2426	105 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2427	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2428	39 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2429	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2430	2 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2431	16 FISHER STREET CABRAMATTA	Commercial	NCA02
R2432	4 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2433	12 HOPE STREET WARWICK FARM	Residential	NCA04
R2434	10 HOPE STREET WARWICK FARM	Residential	NCA04
R2435	10 HOPE STREET WARWICK FARM	Residential	NCA04
R2436	9 RIDGE STREET NORTH SYDNEY	Residential	NCA02
R2437	9 RIDGE STREET NORTH SYDNEY	Residential	NCA02
R2438	54 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2439	15 FISHER STREET CABRAMATTA	Residential	NCA02
R2440	16 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2441	5 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2442	12 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2443	20 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2444	36 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2445	12 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2446	15 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2447	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2448	37 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2449	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2450	103 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2451	120 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2452	105 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2453	12A NATIONAL STREET CABRAMATTA	Residential	NCA02
R2454	7 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2455	6 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2456	10 HOPE STREET WARWICK FARM	Residential	NCA04
R2457	109 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2458	4 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2459	27 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2460	12A NATIONAL STREET CABRAMATTA	Residential	NCA02
R2461	7 PARK LANE MORUYA	Residential	NCA02
R2462	9 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2463	93 THE ANCHORAGE MORUYA HEADS	Residential	NCA02
R2464	34 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2465	111 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2466	119 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA02
R2467	12 HOPE STREET WARWICK FARM	Residential	NCA04
R2468	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2469	11 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2470	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2471	93 THE ANCHORAGE MORUYA HEADS	Residential	NCA02
R2472	13 FISHER STREET CABRAMATTA	Residential	NCA02
R2473	7B LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2474	10 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2475	6 NATIONAL STREET CABRAMATTA	Residential	NCA02
R2476	35 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2477	24 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2478	120 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2479	119 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2480	52 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2481	10 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2482	39A BOUNDARY LANE CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2483	11 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2484	95 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2485	57 SALMON STREET TUROSS HEAD	Residential	NCA02
R2486	7A LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2487	141 RAILWAY PARADE CANLEY VALE	Residential	NCA01
R2488	120 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2489	50 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2490	107 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2491	12 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2492	120 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2493	5 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2494	103 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2495	32 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2496	105 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2497	148 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2498	48 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2499	43 FIELDS DRIVE ALBION PARK	Residential	NCA02
R2500	33 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2501	46 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2502	8 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2503	8A FISHER STREET CABRAMATTA	Residential	NCA02
R2504	3 SHORE STREET WARWICK FARM	Residential	NCA04
R2505	30 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2506	5 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2507	6 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2508	30 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2509	9 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2510	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2511	146 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2512	9B LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2513	6 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2514	9 FISHER STREET CABRAMATTA	Residential	NCA02
R2515	44 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2516	22 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2517	7 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2518	6 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2519	31 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2520	42 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2521	31 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2522	3 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2523	97 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2524	99 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2525	118 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2526	116 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2527	10 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2528	114 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2529	95 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2530	83 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2531	3 ELWIN COURT NORTH NOWRA	Residential	NCA02
R2532	135 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2533	11 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2534	35 ELM STREET ALBION PARK RAIL	Residential	NCA02
R2535	93 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2536	110 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2537	8 FISHER STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2538	6 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2539	7 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2540	11 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2541	108 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2542	91 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2543	13 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2544	1 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2545	85 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2546	38 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2547	1 BARTLEY STREET CANLEY VALE	Active recreation	NCA01
R2548	1 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2549	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2550	87 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2551	116 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2552	79 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2553	2 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2554	142 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2555	81 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2556	7 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R2557	89 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2558	40 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2559	2 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2560	5 FISHER STREET CABRAMATTA	Residential	NCA02
R2561	83 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2562	13 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2563	18 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2564	3 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2565	106 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2566	55 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2567	33 THE DEN ROAD MOORAL CREEK	Residential	NCA02
R2568	104 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2569	4 FISHER STREET CABRAMATTA	Residential	NCA02
R2570	114 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2571	79 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2572	79 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2573	4 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2574	6 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2575	75 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2576	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2577	4 CHERRY STREET BENDALONG	Residential	NCA02
R2578	2 BRIDGE STREET CABRAMATTA	Residential	NCA02
R2579	57 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2580	102 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2581	114 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2582	3 FISHER STREET CABRAMATTA	Residential	NCA02
R2583	100 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2584	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2585	3 PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2586	15A LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2587	5 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2588	36 BROOMFIELD STREET CABRAMATTA	Active recreation	NCA02
R2589	20 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2590	57 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2591	1A PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2592	98 CUMBERLAND STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2593	9 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2594	60 GEORGE STREET GUNNEDAH	Residential	NCA02
R2595	59 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2596	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2597	13 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2598	7 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2599	15 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2600	11 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2601	74 ILUKA AVENUE MALUA BAY	Residential	NCA02
R2602	5 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2603	6 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2604	9 CAPRICORN AVENUE NARRAWALLEE	Residential	NCA02
R2605	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2606	138 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2607	96 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2608	32 BROOMFIELD STREET CABRAMATTA	Residential	NCA02
R2609	92 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2610	6 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2611	28 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2612	45 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2613	112 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2614	22 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2615	90 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2616	53 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2617	8 FISHER STREET CABRAMATTA	Residential	NCA02
R2618	7 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2619	51 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2620	2 FISHER STREET CABRAMATTA	Residential	NCA02
R2621	8 FISHER STREET CABRAMATTA	Residential	NCA02
R2622	29 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2623	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2624	94 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2625	112 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2626	3 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2627	6 FISHER STREET CABRAMATTA	Residential	NCA02
R2628	86 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2629	88 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2630	9 CAPRICORN AVENUE NARRAWALLEE	Residential	NCA02
R2631	84 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2632	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2633	8 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2634	6 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2635	29 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2636	6 FISHER STREET CABRAMATTA	Residential	NCA02
R2637	26 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2638	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2639	107 CABRAMATTA ROAD CABRAMATTA	Commercial	NCA02
R2640	29 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2641	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2642	82 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2643	100A CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2644	24 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2645	6 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2646	80 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2647	2 FISHER STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2648	37 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2649	84 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2650	74 ILUKA AVENUE MALUA BAY	Residential	NCA02
R2651	107 CABRAMATTA ROAD CABRAMATTA	Industrial	NCA02
R2652	78 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2653	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2654	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2655	1A PEVENSEY STREET CANLEY VALE	Residential	NCA01
R2656	76 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2657	41 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2658	134 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2659	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2660	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2661	39 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2662	24 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2663	9 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2664	14 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2665	9 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04
R2666	73 CURTIN STREET CABRAMATTA	Active recreation	NCA02
R2667	251 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2668	12 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2669	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2670	19 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2671	10 BLAIR PLACE CABRAMATTA	Residential	NCA02
R2672	27 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2673	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2674	8 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2675	70 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2676	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2677	10 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2678	49 ALBERT STREET CABRAMATTA	Residential	NCA02
R2679	1 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2680	27 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2681	20A BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2682	66 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2683	40 CARLTON CRESCENT CULBURRA BEACH	Residential	NCA02
R2684	105 SHORE STREET WARWICK FARM	Industrial	NCA04
R2685	66 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2686	45 ALBERT STREET CABRAMATTA	Residential	NCA02
R2687	95 BURRI POINT ROAD GUERILLA BAY	Residential	NCA02
R2688	6 CLIFFORD AVENUE CANLEY VALE	Residential	NCA01
R2689	62 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2690	4 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2691	47 ALBERT STREET CABRAMATTA	Residential	NCA02
R2692	132 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2693	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2694	3 HUME HIGHWAY WARWICK FARM	Industrial	NCA04
R2695	2 MELVILLE AVENUE CABRAMATTA	Residential	NCA02
R2696	60 CUMBERLAND STREET CABRAMATTA	Educational institute	NCA02
R2697	84 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2698	60 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2699	22 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2700	19 ALBERT STREET CABRAMATTA	Residential	NCA02
R2701	41 ALBERT STREET CABRAMATTA	Residential	NCA02
R2702	9 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2703	43 ALBERT STREET CABRAMATTA	Residential	NCA02
R2704	39 ALBERT STREET CABRAMATTA	Residential	NCA02
R2705	40 CARLTON CRESCENT CULBURRA BEACH	Residential	NCA02
R2706	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2707	7 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2708	37 ALBERT STREET CABRAMATTA	Residential	NCA02
R2709	9 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04
R2710	131 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2711	35 ALBERT STREET CABRAMATTA	Residential	NCA02
R2712	1 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2713	532 GEORGE BASS DRIVE MALUA BAY	Residential	NCA02
R2714	27 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2715	27 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2716	33 ALBERT STREET CABRAMATTA	Residential	NCA02
R2717	20 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2718	31 LIVERPOOL STREET CABRAMATTA	Commercial	NCA02
R2719	23 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2720	82 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2721	23 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2722	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2723	29 ALBERT STREET CABRAMATTA	Residential	NCA02
R2724	60 CUMBERLAND STREET CABRAMATTA	Educational institute	NCA02
R2725	31 ALBERT STREET CABRAMATTA	Residential	NCA02
R2726	27 ALBERT STREET CABRAMATTA	Residential	NCA02
R2727	60 CURTIN STREET CABRAMATTA	Residential	NCA02
R2728	25 ALBERT STREET CABRAMATTA	Residential	NCA02
R2729	71 CURTIN STREET CABRAMATTA	Residential	NCA02
R2730	130 RAILWAY PARADE CANLEY VALE	Residential	NCA01
R2731	17 ALBERT STREET CABRAMATTA	Residential	NCA02
R2732	21 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2733	60 CURTIN STREET CABRAMATTA	Residential	NCA02
R2734	23 ALBERT STREET CABRAMATTA	Residential	NCA02
R2735	21 ALBERT STREET CABRAMATTA	Residential	NCA02
R2736	13 ALBERT STREET CABRAMATTA	Residential	NCA02
R2737	19 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2738	21 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2739	17 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2740	31 LIVERPOOL STREET CABRAMATTA	Commercial	NCA02
R2741	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2742	27 ALBERT STREET CABRAMATTA	Residential	NCA02
R2743	5 ALBERT STREET CABRAMATTA	Residential	NCA02
R2744	21 ALBERT STREET CABRAMATTA	Residential	NCA02
R2745	17 ALBERT STREET CABRAMATTA	Residential	NCA02
R2746	42 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2747	19 ALBERT STREET CABRAMATTA	Residential	NCA02
R2748	151 POTATO POINT ROAD BODALLA	Residential	NCA02
R2749	1 ALBERT STREET CABRAMATTA	Residential	NCA02
R2750	13 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2751	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2752	28 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2753	42 CUMBERLAND STREET CABRAMATTA	Place of worship	NCA02
R2754	13 ALBERT STREET CABRAMATTA	Residential	NCA02
R2755	9 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04
R2756	11 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2757	9 CUMBERLAND STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2758	15 ALBERT STREET CABRAMATTA	Residential	NCA02
R2759	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2760	19 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2761	16 HILLTOP CRESCENT SURF BEACH	Residential	NCA02
R2762	355 HUME HIGHWAY CABRAMATTA	Commercial	NCA02
R2763	38 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2764	67 CURTIN STREET CABRAMATTA	Residential	NCA02
R2765	34 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2766	19 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2767	42 ALBERT STREET CABRAMATTA	Residential	NCA02
R2768	9 HUME HIGHWAY WARWICK FARM	Active recreation	NCA04
R2769	32 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2770	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2771	40 ALBERT STREET CABRAMATTA	Residential	NCA02
R2772	9 ALBERT STREET CABRAMATTA	Residential	NCA02
R2773	30 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2774	15 ALBERT STREET CABRAMATTA	Residential	NCA02
R2775	123 RAILWAY PARADE CANLEY VALE	Commercial	NCA01
R2776	38 ALBERT STREET CABRAMATTA	Residential	NCA02
R2777	30 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2778	60 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2779	11 ALBERT STREET CABRAMATTA	Residential	NCA02
R2780	28 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2781	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2782	7 ALBERT STREET CABRAMATTA	Residential	NCA02
R2783	26 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2784	99 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2785	36 ALBERT STREET CABRAMATTA	Residential	NCA02
R2786	3 ALBERT STREET CABRAMATTA	Residential	NCA02
R2787	34 ALBERT STREET CABRAMATTA	Residential	NCA02
R2788	5 ALBERT STREET CABRAMATTA	Residential	NCA02
R2789	65 CURTIN STREET CABRAMATTA	Place of worship	NCA02
R2790	32 ALBERT STREET CABRAMATTA	Residential	NCA02
R2791	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2792	65 CURTIN STREET CABRAMATTA	Residential	NCA02
R2793	24 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2794	20 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2795	17 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R2796	32 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2797	22 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2798	1 ALBERT STREET CABRAMATTA	Residential	NCA02
R2799	20 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2800	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2801	129B LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2802	18B CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2803	1 ALBERT STREET CABRAMATTA	Residential	NCA02
R2804	28 ALBERT STREET CABRAMATTA	Residential	NCA02
R2805	87 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2806	19 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2807	9 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2808	18B CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2809	18 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2810	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2811	24 ALBERT STREET CABRAMATTA	Residential	NCA02
R2812	26 ALBERT STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R2813	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2814	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2815	16 HILLTOP CRESCENT SURF BEACH	Residential	NCA02
R2816	2 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2817	18B CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2818	34 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2819	38 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2820	18 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2821	2 CUMBERLAND STREET CABRAMATTA	Active recreation	NCA02
R2822	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2823	22 ALBERT STREET CABRAMATTA	Residential	NCA02
R2824	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2825	9 NIANGALA STREET COOMA	Residential	NCA02
R2826	24 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2827	59 LOVONI STREET CABRAMATTA	Residential	NCA02
R2828	16 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2829	20 ALBERT STREET CABRAMATTA	Residential	NCA02
R2830	44 CHURCHILL STREET JAMBEROO	Residential	NCA02
R2831	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2832	9 NIANGALA STREET COOMA	Educational institute	NCA02
R2833	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2834	20 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2835	18 ALBERT STREET CABRAMATTA	Residential	NCA02
R2836	21 GREENWELL POINT ROAD GREENWELL POINT	Residential	NCA02
R2837	17 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2838	14 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2839	6 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2840	12 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2841	16 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2842	15 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2843	13 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2844	3 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2845	16 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2846	10 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2847	6 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2848	16 ALBERT STREET CABRAMATTA	Residential	NCA02
R2849	61 CURTIN STREET CABRAMATTA	Residential	NCA02
R2850	34 LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2851	16 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2852	127B LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2853	8 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2854	61B LOVONI STREET CABRAMATTA	Residential	NCA02
R2855	12 ALBERT STREET CABRAMATTA	Residential	NCA02
R2856	6 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R2857	10 ALBERT STREET CABRAMATTA	Residential	NCA02
R2858	4 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2859	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2860	125 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2861	83 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2862	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	NCA02
R2863	6A ALBERT STREET CABRAMATTA	Residential	NCA02
R2864	16 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2865	34B LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2866	12 CUMBERLAND STREET CABRAMATTA	Residential	NCA02
R2867	26 ALBERT STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2868	25 LOVONI STREET CABRAMATTA	Residential	NCA02
R2869	30 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2870	38 CHERRYBROOK ROAD LANSVALE	Active recreation	NCA04
R2871	14 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2872	28 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2873	4 ALBERT STREET CABRAMATTA	Residential	NCA02
R2874	81 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2875	59 CURTIN STREET CABRAMATTA	Residential	NCA02
R2876	123 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2877	77 OXLEY AVENUE KIAMA DOWNS	Residential	NCA02
R2878	1 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2879	26 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2880	61 LOVONI STREET CABRAMATTA	Residential	NCA02
R2881	22 ALBERT STREET CABRAMATTA	Residential	NCA02
R2882	61 LOVONI STREET CABRAMATTA	Residential	NCA02
R2883	16A ALBERT STREET CABRAMATTA	Residential	NCA02
R2884	59 CURTIN STREET CABRAMATTA	Residential	NCA02
R2885	77 OXLEY AVENUE KIAMA DOWNS	Residential	NCA02
R2886	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2887	57 LOVONI STREET CABRAMATTA	Residential	NCA02
R2888	123 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2889	34C LIVERPOOL STREET CABRAMATTA	Residential	NCA02
R2890	55 LOVONI STREET CABRAMATTA	Residential	NCA02
R2891	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2892	24 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2893	24 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2894	57 CURTIN STREET CABRAMATTA	Residential	NCA02
R2895	79 CABRAMATTA ROAD CABRAMATTA	Place of worship	NCA02
R2896	22 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2897	53 LOVONI STREET CABRAMATTA	Residential	NCA02
R2898	121 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2899	38 CHERRYBROOK ROAD LANSVALE	Active recreation	NCA04
R2900	118 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2901	22 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2902	20 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2903	56 CURTIN STREET CABRAMATTA	Residential	NCA02
R2904	71 CHURCHILL STREET JAMBEROO	Residential	NCA02
R2905	51 LOVONI STREET CABRAMATTA	Residential	NCA02
R2906	38 CHERRYBROOK ROAD LANSVALE	Active recreation	NCA04
R2907	4 ALBERT STREET CABRAMATTA	Residential	NCA02
R2908	118 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2909	51 LOVONI STREET CABRAMATTA	Residential	NCA02
R2910	3 COOINDA PLACE KIAMA	Residential	NCA02
R2911	119 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2912	20 FIRST AVENUE CANLEY VALE	Residential	NCA02
R2913	49 LOVONI STREET CABRAMATTA	Residential	NCA02
R2914	55 CURTIN STREET CABRAMATTA	Residential	NCA02
R2915	14 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2916	49 LOVONI STREET CABRAMATTA	Residential	NCA02
R2917	69 NORTH KIAMA DRIVE KIAMA DOWNS	Residential	NCA02
R2918	69 NORTH KIAMA DRIVE KIAMA DOWNS	Residential	NCA02
R2919	45 LOVONI STREET CABRAMATTA	Residential	NCA02
R2920	10 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2921	47 LOVONI STREET CABRAMATTA	Residential	NCA02
R2922	15 BOUNDARY LANE CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2923	8 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2924	77 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2925	43 LOVONI STREET CABRAMATTA	Residential	NCA02
R2926	117 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2927	118 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2928	6 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2929	53 CURTIN STREET CABRAMATTA	Residential	NCA02
R2930	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2931	39 LOVONI STREET CABRAMATTA	Residential	NCA02
R2932	4 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2933	70 LOVONI STREET CABRAMATTA	Residential	NCA02
R2934	41 LOVONI STREET CABRAMATTA	Residential	NCA02
R2935	53 CURTIN STREET CABRAMATTA	Residential	NCA02
R2936	7 CLARKE STREET KIAMA DOWNS	Residential	NCA02
R2937	70 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2938	2 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2939	2B LEVUKA STREET CABRAMATTA	Residential	NCA02
R2940	37 LOVONI STREET CABRAMATTA	Residential	NCA02
R2941	75 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2942	35 LOVONI STREET CABRAMATTA	Residential	NCA02
R2943	21 LOVONI STREET CABRAMATTA	Residential	NCA02
R2944	113 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2945	68 LOVONI STREET CABRAMATTA	Residential	NCA02
R2946	118 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2947	51 CURTIN STREET CABRAMATTA	Residential	NCA02
R2948	70 LOVONI STREET CABRAMATTA	Residential	NCA02
R2949	52 CURTIN STREET CABRAMATTA	Residential	NCA02
R2950	19 LOVONI STREET CABRAMATTA	Residential	NCA02
R2951	33 LOVONI STREET CABRAMATTA	Residential	NCA02
R2952	7 WEST STREET CANLEY VALE	Industrial	NCA02
R2953	64B BAREENA STREET CABRAMATTA	Active recreation	NCA02
R2954	66 LOVONI STREET CABRAMATTA	Residential	NCA02
R2955	64 LOVONI STREET CABRAMATTA	Residential	NCA02
R2956	4 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2957	62 LOVONI STREET CABRAMATTA	Residential	NCA02
R2958	31 LOVONI STREET CABRAMATTA	Residential	NCA02
R2959	60 LOVONI STREET CABRAMATTA	Residential	NCA02
R2960	6 LEVUKA STREET CABRAMATTA	Residential	NCA02
R2961	13 LOVONI STREET CABRAMATTA	Residential	NCA02
R2962	113 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2963	8 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2964	68 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2965	112 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2966	73 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2967	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R2968	23 LOVONI STREET CABRAMATTA	Residential	NCA02
R2969	49 CURTIN STREET CABRAMATTA	Residential	NCA02
R2970	50 CURTIN STREET CABRAMATTA	Residential	NCA02
R2971	19 LOVONI STREET CABRAMATTA	Residential	NCA02
R2972	112 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2973	15 LOVONI STREET CABRAMATTA	Residential	NCA02
R2974	21 LOVONI STREET CABRAMATTA	Residential	NCA02
R2975	343 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R2976	5 LOVONI STREET CABRAMATTA	Residential	NCA02
R2977	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R2978	362 HUME HIGHWAY LANSVALE	Active recreation	NCA02
R2979	56 LOVONI STREET CABRAMATTA	Residential	NCA02
R2980	7 LOVONI STREET CABRAMATTA	Residential	NCA02
R2981	112 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2982	54 LOVONI STREET CABRAMATTA	Residential	NCA02
R2983	45 BAREENA STREET CANLEY VALE	Residential	NCA02
R2984	66 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2985	6 JUNCTION STREET CABRAMATTA	Residential	NCA02
R2986	48 CURTIN STREET CABRAMATTA	Residential	NCA02
R2987	47 CURTIN STREET CABRAMATTA	Residential	NCA02
R2988	71 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R2989	17 LOVONI STREET CABRAMATTA	Residential	NCA02
R2990	103 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R2991	341 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R2992	52 LOVONI STREET CABRAMATTA	Residential	NCA02
R2993	1 LOVONI STREET CABRAMATTA	Residential	NCA02
R2994	15 LOVONI STREET CABRAMATTA	Residential	NCA02
R2995	58 LOVONI STREET CABRAMATTA	Residential	NCA02
R2996	50 LOVONI STREET CABRAMATTA	Residential	NCA02
R2997	339 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R2998	64 BAREENA STREET CABRAMATTA	Active recreation	NCA02
R2999	13 LOVONI STREET CABRAMATTA	Residential	NCA02
R3000	62 BAREENA STREET CANLEY VALE	Residential	NCA02
R3001	7 LOVONI STREET CABRAMATTA	Residential	NCA02
R3002	11 LOVONI STREET CABRAMATTA	Residential	NCA02
R3003	46 LOVONI STREET CABRAMATTA	Residential	NCA02
R3004	9 LOVONI STREET CABRAMATTA	Residential	NCA02
R3005	44 LOVONI STREET CABRAMATTA	Residential	NCA02
R3006	42 LOVONI STREET CABRAMATTA	Residential	NCA02
R3007	335 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3008	64 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3009	40 LOVONI STREET CABRAMATTA	Residential	NCA02
R3010	4 JUNCTION STREET CABRAMATTA	Residential	NCA02
R3011	69 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3012	46 CURTIN STREET CABRAMATTA	Residential	NCA02
R3013	45 CURTIN STREET CABRAMATTA	Residential	NCA02
R3014	362 HUME HIGHWAY LANSVALE	Active recreation	NCA02
R3015	103 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3016	38 LOVONI STREET CABRAMATTA	Residential	NCA02
R3017	36 LOVONI STREET CABRAMATTA	Residential	NCA02
R3018	7 WEST STREET CANLEY VALE	Residential	NCA02
R3019	3 LOVONI STREET CABRAMATTA	Residential	NCA02
R3020	64 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3021	5 LOVONI STREET CABRAMATTA	Residential	NCA02
R3022	112 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3023	34 LOVONI STREET CABRAMATTA	Residential	NCA02
R3024	1 LOVONI STREET CABRAMATTA	Residential	NCA02
R3025	29 PROUT STREET CABRAMATTA	Residential	NCA02
R3026	44 CURTIN STREET CABRAMATTA	Residential	NCA02
R3027	337 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3028	350 HUME HIGHWAY LANSVALE	Residential	NCA02
R3029	60 BAREENA STREET CANLEY VALE	Residential	NCA02
R3030	32 LOVONI STREET CABRAMATTA	Residential	NCA02
R3031	103 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3032	67 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3033	331 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3034	30 LOVONI STREET CABRAMATTA	Residential	NCA02
R3035	45 CURTIN STREET CABRAMATTA	Residential	NCA02
R3036	64B BAREENA STREET CABRAMATTA	Active recreation	NCA02
R3037	108 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3038	27 PROUT STREET CABRAMATTA	Residential	NCA02
R3039	43 CURTIN STREET CABRAMATTA	Residential	NCA02
R3040	26 LOVONI STREET CABRAMATTA	Residential	NCA02
R3041	335 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3042	28 LOVONI STREET CABRAMATTA	Residential	NCA02
R3043	1 LOVONI STREET CABRAMATTA	Residential	NCA02
R3044	44 CURTIN STREET CABRAMATTA	Residential	NCA02
R3045	42 CURTIN STREET CABRAMATTA	Residential	NCA02
R3046	348 HUME HIGHWAY LANSVALE	Residential	NCA02
R3047	29 PROUT STREET CABRAMATTA	Residential	NCA02
R3048	24 LOVONI STREET CABRAMATTA	Residential	NCA02
R3049	62 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3050	25 PROUT STREET CABRAMATTA	Residential	NCA02
R3051	22 LOVONI STREET CABRAMATTA	Residential	NCA02
R3052	43 CURTIN STREET CABRAMATTA	Residential	NCA02
R3053	346 HUME HIGHWAY LANSVALE	Residential	NCA02
R3054	333 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3055	20 LOVONI STREET CABRAMATTA	Residential	NCA02
R3056	42 CURTIN STREET CABRAMATTA	Residential	NCA02
R3057	65 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3058	38 LOVONI STREET CABRAMATTA	Residential	NCA02
R3059	54 BAREENA STREET CANLEY VALE	Residential	NCA02
R3060	27 PROUT STREET CABRAMATTA	Residential	NCA02
R3061	18 LOVONI STREET CABRAMATTA	Residential	NCA02
R3062	41 CURTIN STREET CABRAMATTA	Residential	NCA02
R3063	108 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3064	344 HUME HIGHWAY LANSVALE	Residential	NCA02
R3065	103 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3066	40 CURTIN STREET CABRAMATTA	Residential	NCA02
R3067	16 LOVONI STREET CABRAMATTA	Residential	NCA02
R3068	46 PAYTON STREET CANLEY VALE	Residential	NCA02
R3069	42 CURTIN STREET CABRAMATTA	Residential	NCA02
R3070	331 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3071	125 KINGHORNE STREET NOWRA	Residential	NCA02
R3072	22 LOVONI STREET CABRAMATTA	Residential	NCA02
R3073	36 LOVONI STREET CABRAMATTA	Residential	NCA02
R3074	36 LIVERPOOL STREET LANSVALE	Residential	NCA02
R3075	13 ROSEBERY STREET PENSHURST	Residential	NCA02
R3076	342 HUME HIGHWAY LANSVALE	Residential	NCA02
R3077	25 PROUT STREET CABRAMATTA	Residential	NCA02
R3078	12 LOVONI STREET CABRAMATTA	Residential	NCA02
R3079	10 WEST STREET CANLEY VALE	Residential	NCA02
R3080	48 PAYTON STREET CANLEY VALE	Residential	NCA02
R3081	14 LOVONI STREET CABRAMATTA	Residential	NCA02
R3082	4 MUNDAY STREET WARWICK FARM	Active recreation	NCA04
R3083	25 PROUT STREET CABRAMATTA	Residential	NCA02
R3084	8 WEST STREET CANLEY VALE	Residential	NCA02
R3085	41 CURTIN STREET CABRAMATTA	Residential	NCA02
R3086	10 LOVONI STREET CABRAMATTA	Residential	NCA02
R3087	50 PAYTON STREET CANLEY VALE	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R3088	63 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3089	23 PROUT STREET CABRAMATTA	Residential	NCA02
R3090	41 CURTIN STREET CABRAMATTA	Residential	NCA02
R3091	8 LOVONI STREET CABRAMATTA	Residential	NCA02
R3092	340 HUME HIGHWAY LANSVALE	Residential	NCA02
R3093	40 CURTIN STREET CABRAMATTA	Residential	NCA02
R3094	150 LANSDOWNE ROAD CANLEY VALE	Residential	NCA02
R3095	106 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3096	20 LOVONI STREET CABRAMATTA	Residential	NCA02
R3097	39 CURTIN STREET CABRAMATTA	Residential	NCA02
R3098	6 LOVONI STREET CABRAMATTA	Residential	NCA02
R3099	22 LOVONI STREET CABRAMATTA	Residential	NCA02
R3100	54 PAYTON STREET CANLEY VALE	Residential	NCA02
R3101	4 LOVONI STREET CABRAMATTA	Residential	NCA02
R3102	38 LIVERPOOL STREET LANSVALE	Residential	NCA02
R3103	2B LOVONI STREET CABRAMATTA	Residential	NCA02
R3104	12 ELIZABETH DRIVE VINCENTIA	Residential	NCA02
R3105	338 HUME HIGHWAY LANSVALE	Residential	NCA02
R3106	102 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3107	2B CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3108	38 CURTIN STREET CABRAMATTA	Residential	NCA02
R3109	5 RIVER STREET MORUYA	Residential	NCA02
R3110	7 PROUT STREET CABRAMATTA	Residential	NCA02
R3111	15 PROUT STREET CABRAMATTA	Residential	NCA02
R3112	44 PAYTON STREET CANLEY VALE	Residential	NCA02
R3113	65 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	NCA02
R3114	56 PAYTON STREET CANLEY VALE	Residential	NCA02
R3115	37 CURTIN STREET CABRAMATTA	Residential	NCA02
R3116	42 PAYTON STREET CANLEY VALE	Residential	NCA02
R3117	1B LOVONI STREET CABRAMATTA	Residential	NCA02
R3118	20 LOVONI STREET CABRAMATTA	Residential	NCA02
R3119	17 PROUT STREET CABRAMATTA	Residential	NCA02
R3120	21 PROUT STREET CABRAMATTA	Residential	NCA02
R3121	336 HUME HIGHWAY LANSVALE	Residential	NCA02
R3122	21 PROUT STREET CABRAMATTA	Residential	NCA02
R3123	12 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3124	52 BAREENA STREET CANLEY VALE	Residential	NCA02
R3125	7 PROUT STREET CABRAMATTA	Residential	NCA02
R3126	27 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3127	5 RIVER STREET MORUYA	Residential	NCA02
R3128	334 HUME HIGHWAY LANSVALE	Residential	NCA02
R3129	36 CURTIN STREET CABRAMATTA	Residential	NCA02
R3130	99 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3131	34 CURTIN STREET CABRAMATTA	Residential	NCA02
R3132	13 PROUT STREET CABRAMATTA	Residential	NCA02
R3133	59 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3134	102 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3135	37 CURTIN STREET CABRAMATTA	Residential	NCA02
R3136	3 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3137	11 PROUT STREET CABRAMATTA	Residential	NCA02
R3138	42 PAYTON STREET CANLEY VALE	Residential	NCA02
R3139	58 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3140	8 LOVONI STREET CABRAMATTA	Residential	NCA02
R3141	43B BAREENA STREET CANLEY VALE	Residential	NCA02
R3142	19 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R3143	11 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3144	5 PROUT STREET CABRAMATTA	Residential	NCA02
R3145	34 CURTIN STREET CABRAMATTA	Residential	NCA02
R3146	50 BAREENA STREET CANLEY VALE	Residential	NCA02
R3147	99A LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3148	332 HUME HIGHWAY LANSVALE	Residential	NCA02
R3149	3 PROUT STREET CABRAMATTA	Residential	NCA02
R3150	59 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3151	96 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3152	5 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3153	9 PROUT STREET CABRAMATTA	Residential	NCA02
R3154	57 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3155	15 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3156	2B LOVONI STREET CABRAMATTA	Residential	NCA02
R3157	35 CURTIN STREET CABRAMATTA	Residential	NCA02
R3158	91A LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3159	21 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3160	56 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3161	19 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3162	11 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3163	96 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3164	330 HUME HIGHWAY LANSVALE	Residential	NCA02
R3165	35 CURTIN STREET CABRAMATTA	Residential	NCA02
R3166	17 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3167	40 PAYTON STREET CANLEY VALE	Residential	NCA02
R3168	9 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3169	1 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3170	30 CURTIN STREET CABRAMATTA	Residential	NCA02
R3171	32 CURTIN STREET CABRAMATTA	Residential	NCA02
R3172	35 CURTIN STREET CABRAMATTA	Residential	NCA02
R3173	19 PAYTON STREET CANLEY VALE	Residential	NCA02
R3174	35 CURTIN STREET CABRAMATTA	Residential	NCA02
R3175	96 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3176	56 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3177	1 PROUT STREET CABRAMATTA	Residential	NCA02
R3178	15 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3179	33 CURTIN STREET CABRAMATTA	Residential	NCA02
R3180	19 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3181	13 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3182	38 PAYTON STREET CANLEY VALE	Residential	NCA02
R3183	5 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3184	21 PAYTON STREET CANLEY VALE	Residential	NCA02
R3185	11 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3186	1 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3187	38 PAYTON STREET CANLEY VALE	Residential	NCA02
R3188	17 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3189	55 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3190	23 PAYTON STREET CANLEY VALE	Residential	NCA02
R3191	9 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3192	7 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3193	2B JUNCTION STREET LANSVALE	Residential	NCA02
R3194	15 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3195	30 CURTIN STREET CABRAMATTA	Residential	NCA02
R3196	7 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3197	9 MACKENZIE STREET CANLEY VALE	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3198	26 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3199	54 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3200	17 PAYTON STREET CANLEY VALE	Residential	NCA02
R3201	31 CURTIN STREET CABRAMATTA	Residential	NCA02
R3202	5 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3203	3 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3204	328 HUME HIGHWAY LANSVALE	Residential	NCA02
R3205	48 BAREENA STREET CANLEY VALE	Residential	NCA02
R3206	24 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3207	28 CURTIN STREET CABRAMATTA	Residential	NCA02
R3208	36 PAYTON STREET CANLEY VALE	Residential	NCA02
R3209	13 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3210	329 HUME HIGHWAY CABRAMATTA	Residential	NCA02
R3211	1 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3212	1 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3213	16 PROUT STREET CABRAMATTA	Residential	NCA02
R3214	21 PAYTON STREET CANLEY VALE	Residential	NCA02
R3215	96 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3216	2 JUNCTION STREET LANSVALE	Residential	NCA02
R3217	28 CURTIN STREET CABRAMATTA	Residential	NCA02
R3218	14 PROUT STREET CABRAMATTA	Residential	NCA02
R3219	29 CURTIN STREET CABRAMATTA	Residential	NCA02
R3220	22 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3221	52 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3222	52 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3223	12 PROUT STREET CABRAMATTA	Residential	NCA02
R3224	91A LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3225	15 IAN AVENUE CANLEY VALE	Residential	NCA02
R3226	52 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3227	26 CURTIN STREET CABRAMATTA	Residential	NCA02
R3228	20 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3229	34 PAYTON STREET CANLEY VALE	Residential	NCA02
R3230	7 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3231	8 PROUT STREET CABRAMATTA	Residential	NCA02
R3232	90 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3233	46 BAREENA STREET CANLEY VALE	Residential	NCA02
R3234	11 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3235	10 PROUT STREET CABRAMATTA	Residential	NCA02
R3236	20 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3237	26 CURTIN STREET CABRAMATTA	Residential	NCA02
R3238	6 PROUT STREET CABRAMATTA	Residential	NCA02
R3239	18 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3240	9 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3241	4 PROUT STREET CABRAMATTA	Residential	NCA02
R3242	26 CURTIN STREET CABRAMATTA	Residential	NCA02
R3243	18 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3244	2 PROUT STREET CABRAMATTA	Residential	NCA02
R3245	27 CURTIN STREET CABRAMATTA	Residential	NCA02
R3246	4 IAN AVENUE CANLEY VALE	Residential	NCA02
R3247	16 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3248	11 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3249	6 IAN AVENUE CANLEY VALE	Residential	NCA02
R3250	14 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3251	91 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3252	90 LONGFIELD STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3253	12 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3254	16 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3255	32 PAYTON STREET CANLEY VALE	Residential	NCA02
R3256	14 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3257	327 HUME HIGHWAY CABRAMATTA	Industrial	NCA02
R3258	10 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3259	42 BAREENA STREET CANLEY VALE	Residential	NCA02
R3260	12 MACKENZIE STREET CANLEY VALE	Residential	NCA02
R3261	24 CURTIN STREET CABRAMATTA	Residential	NCA02
R3262	8 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3263	11 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3264	6 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3265	25 CURTIN STREET CABRAMATTA	Residential	NCA02
R3266	14 OLD LIVERPOOL ROAD LANSVALE	Residential	NCA02
R3267	30 PAYTON STREET CANLEY VALE	Residential	NCA02
R3268	2 PROUT STREET CABRAMATTA	Residential	NCA02
R3269	8 IAN AVENUE CANLEY VALE	Residential	NCA02
R3270	90 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3271	30 PAYTON STREET CANLEY VALE	Residential	NCA02
R3272	4 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3273	3 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3274	89 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3275	2 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3276	4 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3277	2 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3278	40 BAREENA STREET CANLEY VALE	Residential	NCA02
R3279	22 CURTIN STREET CABRAMATTA	Residential	NCA02
R3280	2 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3281	50 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3282	23 CURTIN STREET CABRAMATTA	Residential	NCA02
R3283	10 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3284	35 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3285	90 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3286	6 PROUT STREET CABRAMATTA	Residential	NCA02
R3287	1 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3288	12 LOLOMA STREET CABRAMATTA	Residential	NCA02
R3289	21 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3290	13 PAYTON STREET CANLEY VALE	Residential	NCA02
R3291	28 PAYTON STREET CANLEY VALE	Residential	NCA02
R3292	10 IAN AVENUE CANLEY VALE	Residential	NCA02
R3293	20 CURTIN STREET CABRAMATTA	Residential	NCA02
R3294	40A BAREENA STREET CANLEY VALE	Residential	NCA02
R3295	87 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3296	5 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3297	82 LONGFIELD STREET CABRAMATTA	Active recreation	NCA02
R3298	33 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3299	21 CURTIN STREET CABRAMATTA	Residential	NCA02
R3300	31 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3301	8 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3302	37 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3303	29 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3304	13 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3305	20 CURTIN STREET CABRAMATTA	Residential	NCA02
R3306	26 PAYTON STREET CANLEY VALE	Residential	NCA02
R3307	21 CHERRYBROOK ROAD LANSVALE	Residential	NCA02

Receiver ID	Address	Receiver Type	NCA
R3308	27 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3309	46 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3310	11 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3311	23 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3312	15 LASA STREET CABRAMATTA	Residential	NCA02
R3313	11 PAYTON STREET CANLEY VALE	Residential	NCA02
R3314	25 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3315	6 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3316	7 IAN AVENUE CANLEY VALE	Residential	NCA02
R3317	39 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3318	17 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3319	19 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3320	85 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3321	38 BAREENA STREET CANLEY VALE	Residential	NCA02
R3322	13 LASA STREET CABRAMATTA	Residential	NCA02
R3323	18 CURTIN STREET CABRAMATTA	Residential	NCA02
R3324	18 CURTIN STREET CABRAMATTA	Residential	NCA02
R3325	6 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3326	15 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3327	9 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3328	24 PAYTON STREET CANLEY VALE	Residential	NCA02
R3329	7 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3330	19 CURTIN STREET CABRAMATTA	Residential	NCA02
R3331	41 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3332	5 IAN AVENUE CANLEY VALE	Residential	NCA02
R3333	19 CURTIN STREET CABRAMATTA	Residential	NCA02
R3334	9 LASA STREET CABRAMATTA	Residential	NCA02
R3335	44 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3336	11 LASA STREET CABRAMATTA	Residential	NCA02
R3337	9 PAYTON STREET CANLEY VALE	Residential	NCA02
R3338	81 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3339	323 HUME HIGHWAY CABRAMATTA	Industrial	NCA02
R3340	7 LASA STREET CABRAMATTA	Residential	NCA02
R3341	36 BAREENA STREET CANLEY VALE	Residential	NCA02
R3342	22 PAYTON STREET CANLEY VALE	Residential	NCA02
R3343	17 CURTIN STREET CABRAMATTA	Residential	NCA02
R3344	5 LASA STREET CABRAMATTA	Residential	NCA02
R3345	81 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3346	4 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3347	7 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3348	1 LASA STREET CABRAMATTA	Residential	NCA02
R3349	3 LASA STREET CABRAMATTA	Residential	NCA02
R3350	22 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3351	1 LASA STREET CABRAMATTA	Residential	NCA02
R3352	20 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3353	11 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3354	8 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3355	7 PAYTON STREET CANLEY VALE	Residential	NCA02
R3356	42 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3357	81 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3358	16 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3359	18 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3360	14 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3361	20 PAYTON STREET CANLEY VALE	Residential	NCA02
R3362	14 CURTIN STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3363	9 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3364	12 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3365	15 CURTIN STREET CABRAMATTA	Residential	NCA02
R3366	304 HUME HIGHWAY LANSVALE	Residential	NCA02
R3367	41 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3368	5 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3369	10 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3370	3 PAYTON STREET CANLEY VALE	Residential	NCA02
R3371	81 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3372	1 PAYTON STREET CANLEY VALE	Residential	NCA02
R3373	10 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3374	17 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3375	5 PAYTON STREET CANLEY VALE	Residential	NCA02
R3376	81 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3377	79 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3378	873 EAST SEAHAM ROAD EAST SEAHAM	Residential	NCA02
R3379	18 PAYTON STREET CANLEY VALE	Residential	NCA02
R3380	12 CURTIN STREET CABRAMATTA	Residential	NCA02
R3381	16 LASA STREET CABRAMATTA	Residential	NCA02
R3382	3 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3383	39 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3384	15 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3385	79 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3386	13 CURTIN STREET CABRAMATTA	Residential	NCA02
R3387	24 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3388	14 LASA STREET CABRAMATTA	Residential	NCA02
R3389	69 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3390	8 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3391	11 ALPHIL AVENUE CABRAMATTA	Residential	NCA02
R3392	12 LASA STREET CABRAMATTA	Residential	NCA02
R3393	10 CURTIN STREET CABRAMATTA	Residential	NCA02
R3394	114 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3395	79B LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3396	13 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3397	1 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3398	10 LASA STREET CABRAMATTA	Residential	NCA02
R3399	11 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3400	26 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3401	112 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3402	37 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3403	8 LASA STREET CABRAMATTA	Residential	NCA02
R3404	16 PAYTON STREET CANLEY VALE	Residential	NCA02
R3405	1 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3406	6 LASA STREET CABRAMATTA	Residential	NCA02
R3407	6 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3408	11 CURTIN STREET CABRAMATTA	Residential	NCA02
R3409	110 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3410	10 CURTIN STREET CABRAMATTA	Residential	NCA02
R3411	2 LASA STREET CABRAMATTA	Residential	NCA02
R3412	9 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3413	321 HUME HIGHWAY CABRAMATTA	Industrial	NCA02
R3414	4 LASA STREET CABRAMATTA	Residential	NCA02
R3415	77 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3416	7 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3417	108 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3418	35 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3419	71 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3420	73 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3421	20 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3422	3 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3423	69 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3424	8 CURTIN STREET CABRAMATTA	Residential	NCA02
R3425	106 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3426	9 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3427	67 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3428	4 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3429	104 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3430	28 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3431	102A LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3432	18 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3433	5 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3434	33 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3435	65 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3436	5 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3437	9 CURTIN STREET CABRAMATTA	Residential	NCA02
R3438	16 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3439	14 PAYTON STREET CANLEY VALE	Residential	NCA02
R3440	30 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3441	8 PAYTON STREET CANLEY VALE	Residential	NCA02
R3442	61 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3443	6 CURTIN STREET CABRAMATTA	Residential	NCA02
R3444	10 PAYTON STREET CANLEY VALE	Residential	NCA02
R3445	14 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3446	28 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3447	80 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3448	7 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3449	12 PAYTON STREET CANLEY VALE	Residential	NCA02
R3450	2 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3451	28 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3452	12 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3453	7 CURTIN STREET CABRAMATTA	Residential	NCA02
R3454	30 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3455	6 CURTIN STREET CABRAMATTA	Residential	NCA02
R3456	14 PAYTON STREET CANLEY VALE	Residential	NCA02
R3457	3 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3458	79 VALE STREET CABRAMATTA	Residential	NCA02
R3459	10 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3460	89 VALE STREET CABRAMATTA	Residential	NCA02
R3461	78 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3462	4 CURTIN STREET CABRAMATTA	Residential	NCA02
R3463	63 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3464	75 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3465	61 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3466	8 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3467	5 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3468	7 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3469	15 ARALUEN ROAD LANSVALE	Residential	NCA02
R3470	24 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3471	1 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3472	5 CURTIN STREET CABRAMATTA	Residential	NCA02

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Receiver ID	Address	Receiver Type	NCA
R3473	73 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3474	4 CURTIN STREET CABRAMATTA	Residential	NCA02
R3475	32 CHERRYBROOK ROAD LANSVALE	Residential	NCA02
R3476	22 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3477	76 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3478	6 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3479	59B FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3480	87 VALE STREET CABRAMATTA	Residential	NCA02
R3481	11 ARALUEN ROAD LANSVALE	Residential	NCA02
R3482	13 ARALUEN ROAD LANSVALE	Residential	NCA02
R3483	9 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3484	9 ARALUEN ROAD LANSVALE	Residential	NCA02
R3485	98 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3486	4 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3487	315 HUME HIGHWAY CABRAMATTA	Industrial	NCA02
R3488	22 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3489	85 VALE STREET CABRAMATTA	Residential	NCA02
R3490	2 CURTIN STREET CABRAMATTA	Residential	NCA02
R3491	71 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3492	96 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3493	74 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3494	4 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3495	3 CURTIN STREET CABRAMATTA	Residential	NCA02
R3496	6 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3497	94 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3498	11 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3499	3 BOUNDARY LANE CABRAMATTA	Residential	NCA02
R3500	72 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3501	70 VALE STREET CABRAMATTA	Residential	NCA02
R3502	92 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3503	7 ARALUEN ROAD LANSVALE	Residential	NCA02
R3504	81 VALE STREET CABRAMATTA	Residential	NCA02
R3505	83 VALE STREET CABRAMATTA	Residential	NCA02
R3506	79 VALE STREET CABRAMATTA	Residential	NCA02
R3507	5 ARALUEN ROAD LANSVALE	Residential	NCA02
R3508	59 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3509	20 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3510	90 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3511	67 VALE STREET CABRAMATTA	Residential	NCA02
R3512	72 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3513	2 HAVEN VALLEY WAY LANSVALE	Residential	NCA02
R3514	1 CURTIN STREET CABRAMATTA	Residential	NCA02
R3515	69 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3516	88 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3517	3 ARALUEN ROAD LANSVALE	Residential	NCA02
R3518	70 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3519	68B VALE STREET CABRAMATTA	Residential	NCA02
R3520	13 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3521	77 VALE STREET CABRAMATTA	Residential	NCA02
R3522	86 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3523	4 HARROW AVENUE LANSVALE	Residential	NCA02
R3524	84 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3525	70 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3526	68 VALE STREET CABRAMATTA	Residential	NCA02
R3527	8 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3528	75 VALE STREET CABRAMATTA	Residential	NCA02
R3529	73 VALE STREET CABRAMATTA	Residential	NCA02
R3530	15 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3531	67 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3532	1 ARALUEN ROAD LANSVALE	Residential	NCA02
R3533	82 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3534	71 VALE STREET CABRAMATTA	Residential	NCA02
R3535	6 HARROW AVENUE LANSVALE	Residential	NCA02
R3536	80 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3537	15 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3538	15 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3539	13 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3540	68 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3541	10 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3542	78 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3543	68 VALE STREET CABRAMATTA	Residential	NCA02
R3544	67 VALE STREET CABRAMATTA	Residential	NCA02
R3545	69 VALE STREET CABRAMATTA	Residential	NCA02
R3546	67 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3547	76 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3548	16 CABRAMATTA ROAD CABRAMATTA	Industrial	NCA02
R3549	90 FAIRVIEW ROAD CABRAMATTA	Residential	NCA02
R3550	3 HARROW AVENUE LANSVALE	Residential	NCA02
R3551	66 VALE STREET CABRAMATTA	Residential	NCA02
R3552	17 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3553	65 VALE STREET CABRAMATTA	Residential	NCA02
R3554	68 VALE STREET CABRAMATTA	Residential	NCA02
R3555	11 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3556	12 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3557	8 HARROW AVENUE LANSVALE	Residential	NCA02
R3558	59 VALE STREET CABRAMATTA	Residential	NCA02
R3559	66 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3560	66 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3561	14 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3562	63 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3563	64 VALE STREET CABRAMATTA	Residential	NCA02
R3564	53 VALE STREET CABRAMATTA	Residential	NCA02
R3565	9 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3566	63 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3567	10 HARROW AVENUE LANSVALE	Residential	NCA02
R3568	7 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3569	5 HARROW AVENUE LANSVALE	Residential	NCA02
R3570	16 HUNTINGDALE AVENUE LANSVALE	Residential	NCA02
R3571	64 VALE STREET CABRAMATTA	Residential	NCA02
R3572	61 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3573	5 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3574	61 VALE STREET CABRAMATTA	Residential	NCA02
R3575	53 VALE STREET CABRAMATTA	Residential	NCA02
R3576	63 VALE STREET CABRAMATTA	Residential	NCA02
R3577	7 HARROW AVENUE LANSVALE	Residential	NCA02
R3578	12 HARROW AVENUE LANSVALE	Residential	NCA02
R3579	2 FOREST GROVE LANSVALE	Residential	NCA02
R3580	62 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3581	55 VALE STREET CABRAMATTA	Residential	NCA02
R3582	57 VALE STREET CABRAMATTA	Residential	NCA02

Appendix A- Noise sensitive receivers

Receiver ID	Address	Receiver Type	NCA
R3583	25 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3584	62 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3585	1 CABRAMATTA ROAD CABRAMATTA	Residential	NCA02
R3586	9 HARROW AVENUE LANSVALE	Residential	NCA02
R3587	29 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3588	33 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3589	4 FOREST GROVE LANSVALE	Residential	NCA02
R3590	27 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3591	29 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3592	31 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3593	60 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3594	25 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3595	11 HARROW AVENUE LANSVALE	Residential	NCA02
R3596	58 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3597	16 HARROW AVENUE LANSVALE	Residential	NCA02
R3598	23 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3599	21 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3600	56 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3601	17 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3602	18 HARROW AVENUE LANSVALE	Residential	NCA02
R3603	19 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3604	7 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3605	15 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3606	13 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3607	11 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3608	54 LONGFIELD STREET CABRAMATTA	Residential	NCA02
R3609	20 HARROW AVENUE LANSVALE	Residential	NCA02
R3610	9 ROEBUCK STREET CABRAMATTA	Residential	NCA02
R3611	7 ROEBUCK STREET CABRAMATTA	Residential	NCA02

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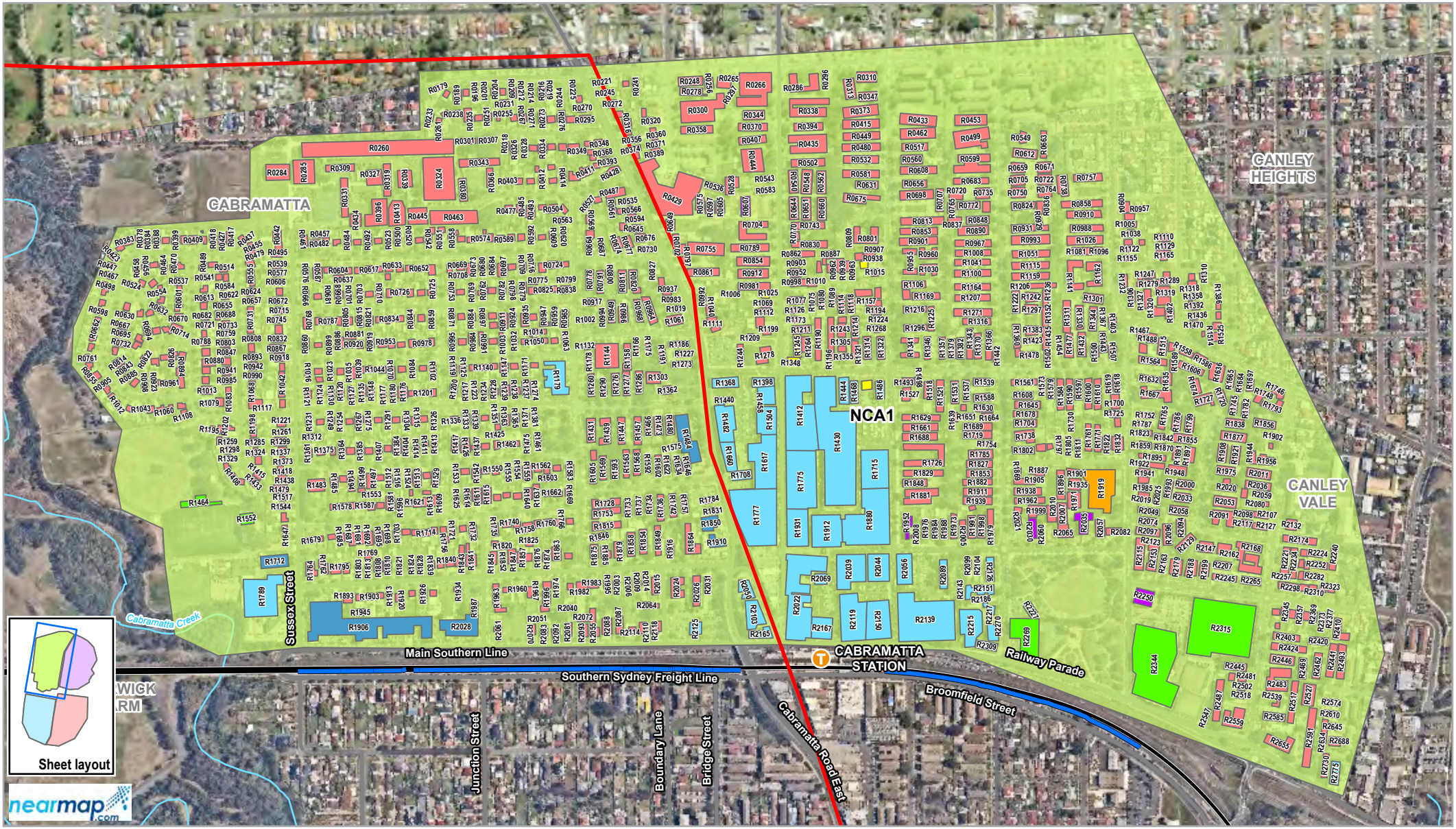
Appendix B – Noise sensitive receivers (figure)



Legend

Noise catchment area
- NCA1
- Operational study area
- Existing noise wall
- Existing rail alignment
- Roads

Receiver
- Active recreation
- Commercial
- Educational institute
- Industrial
- Medical facility
- Place of worship
- Residential
- Watercourse
- Sydney Trains station

Paper Size ISO A4

0 50 100 150 200 250

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Noise sensitive receivers

Figure B-1

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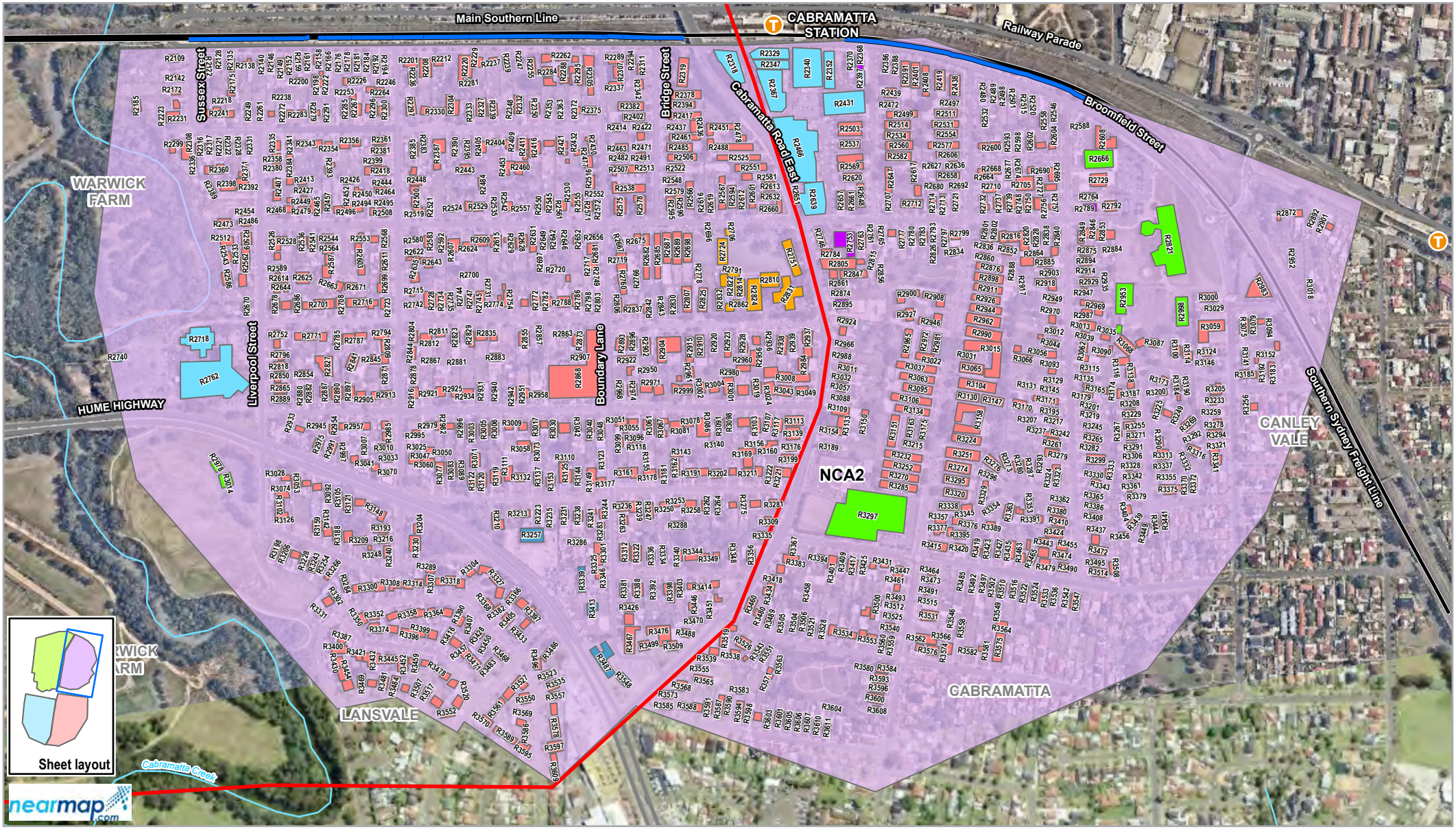
Print date: 11 Apr 2019 - 11:24

Data source: LPI: DTDB\DCDB, 2017. Nearmap: Aerail image, 2018.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Legend

Noise catchment area
- NCA2
- Operational study area
- Existing noise wall
- Existing rail alignment
- Roads

Receiver
- Active recreation
- Commercial
- Educational institute
- Industrial
- Place of worship
- Residential
- Watercourse
- Sydney Trains station

Paper Size ISO A4

0 40 80 120 160 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Noise sensitive receivers

Figure B-2

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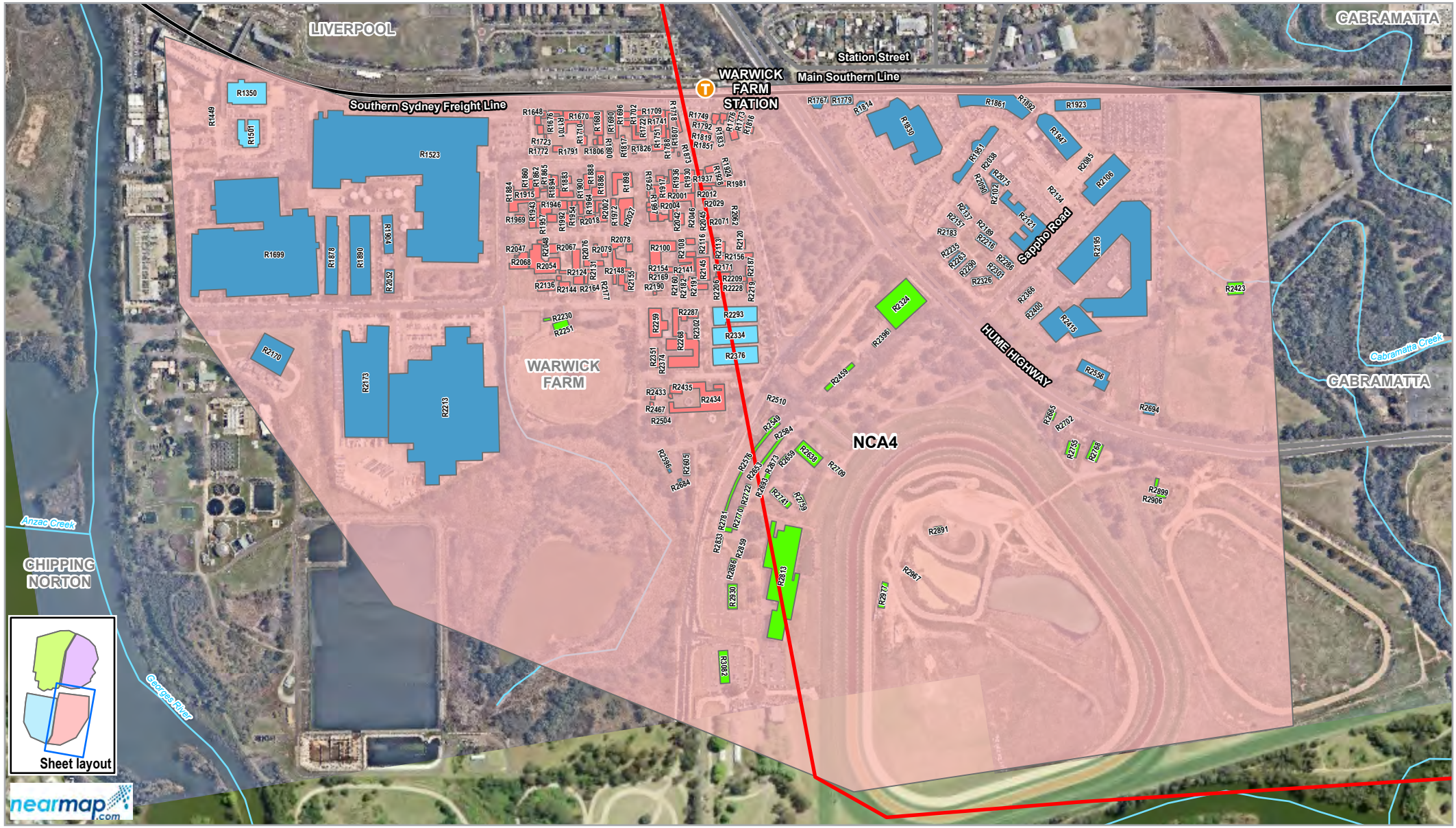
Data source: LPI: DTDB\DCDB, 2017. Nearmap: Aerail image, 2018.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Legend

Noise catchment area
- NCA4
- Operational study area
- Existing rail alignment

- Roads

Receiver
- Active recreation
- Commercial
- Industrial
- Residential
- Watercourse
- Sydney Trains station

Paper Size ISO A4

0 40 80 120 160 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Noise sensitive receivers

Figure B-3

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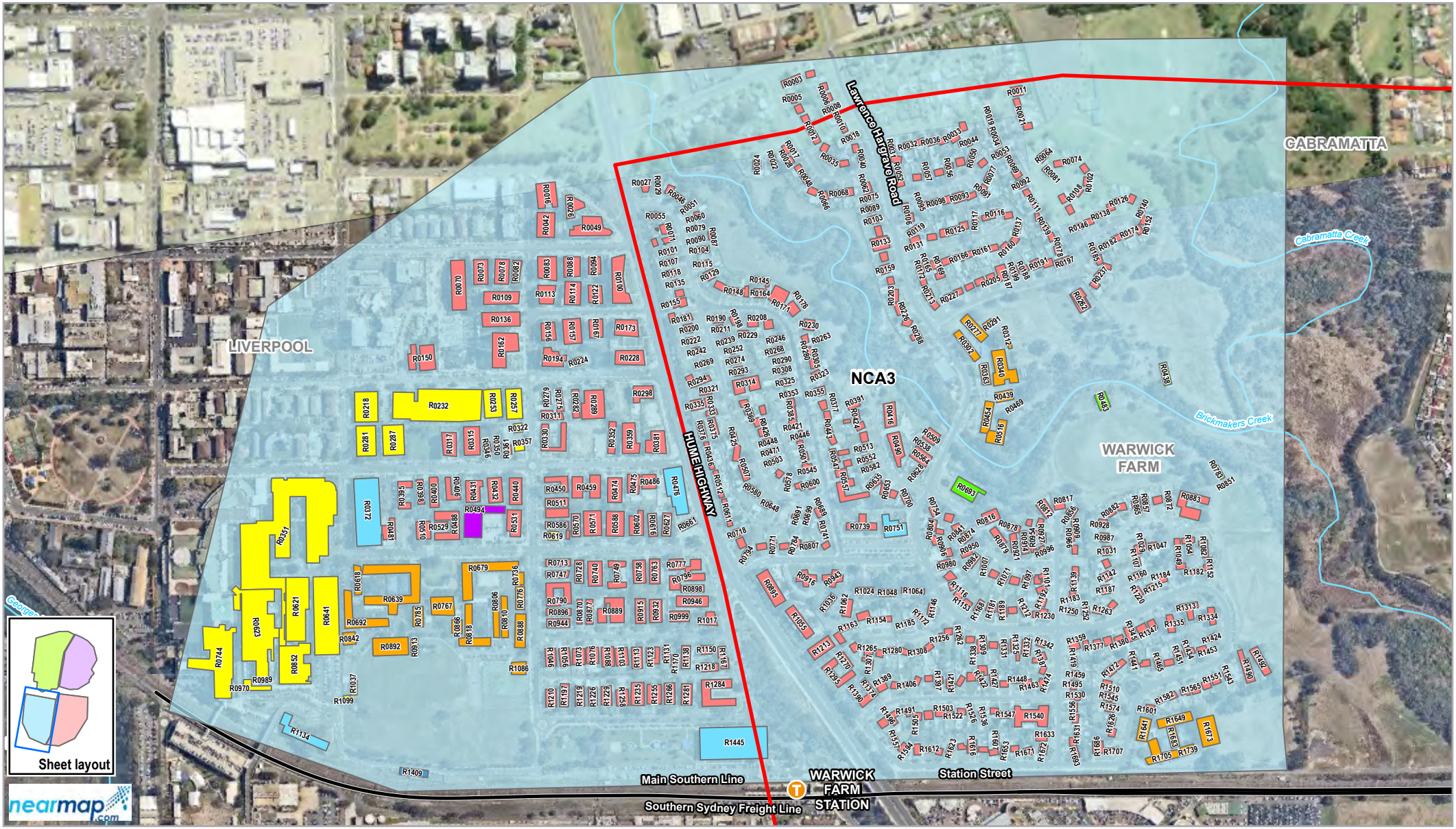
Print date: 11 Apr 2019 - 11:24

Data source: LPI: DTDB\DCDB, 2017. Nearmap: Aerail image, 2018.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Legend

Noise catchment area
- NCA3
- Operational study area
- Existing rail alignment
- Roads

Receiver
- Active recreation
- Commercial
- Educational institute
- Industrial
- Medical facility
- Place of worship
- Residential
- Watercourse
- Sydney Trains station

Paper Size ISO A4

0 40 80 120 160 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Noise sensitive receivers

Figure B-4

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Data source: LPI: DTDB\DCDB, 2017. Nearmap: Aerail image, 2018.LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017 LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

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Appendix C – Long-term environmental noise monitoring results

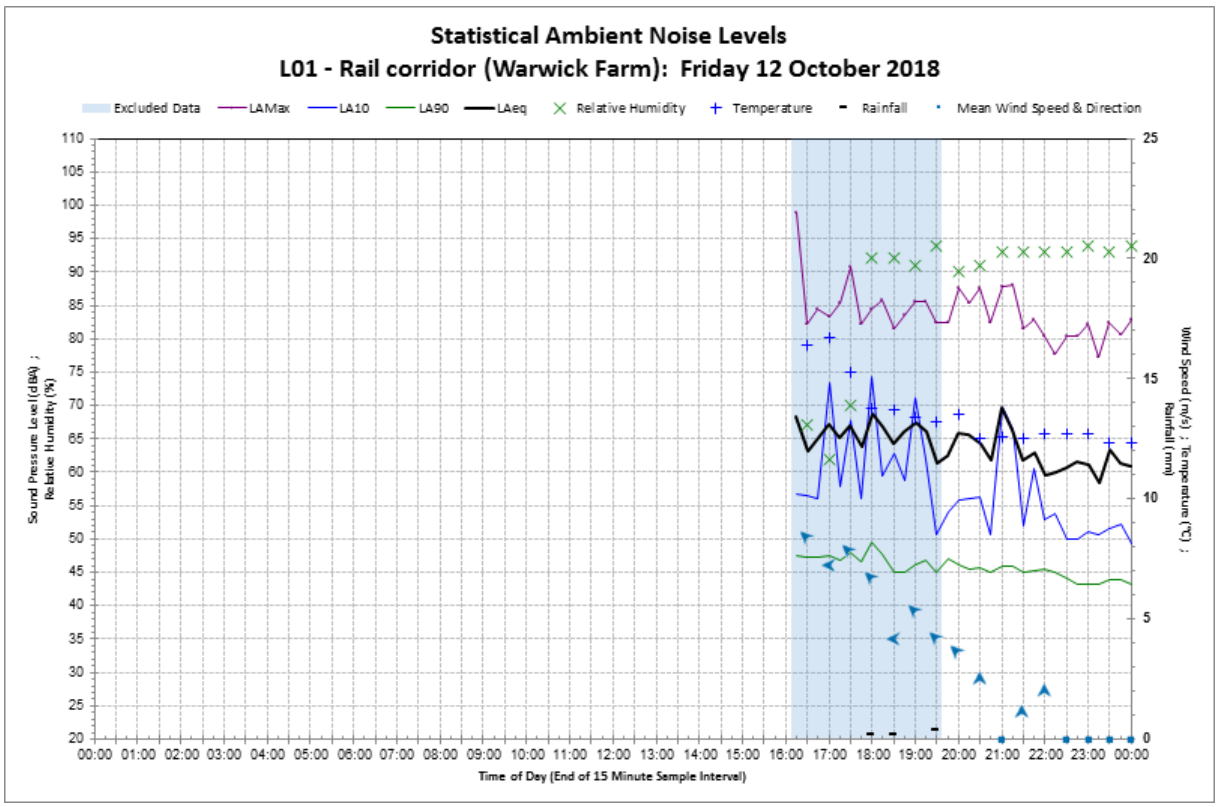
Unattended noise logger details

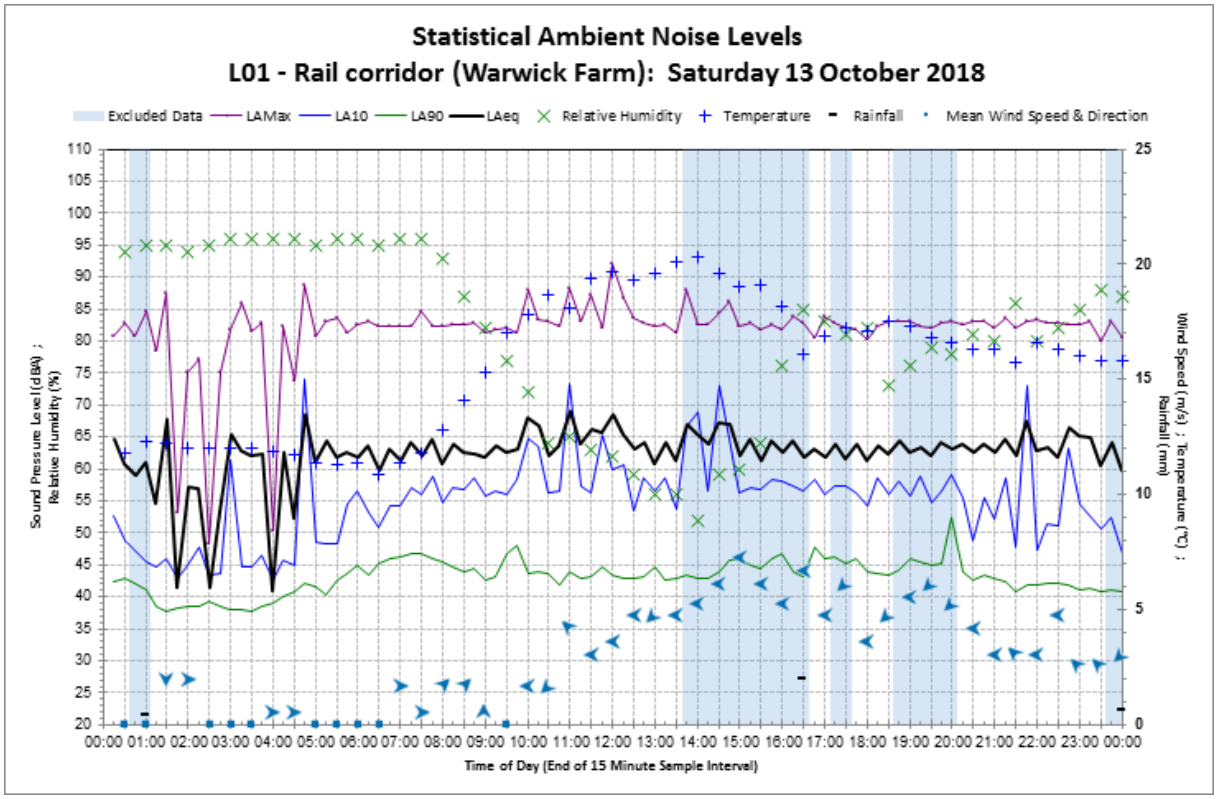
Noise Logger	L01 (Rail)	L02 (Rail)	L03 (Background and rail)	L04 (Background and rail)	L05 (Background only)	L06 (Background only)	L07 (Background and rail)
Location coordinates (MGA56, Easting and Northing)	309151, 6245960	309321, 6247088	309328, 6247315	309346, 6246972	309545, 6246815	309475, 6246753	309037, 6246146
Address	In corridor (North of Warwick Farm Station)	In corridor (South of Cabramatta Station)	225 Railway Parade, Cabramatta	150 Broomfield Street, Cabramatta	46a National Street, Cabramatta	41 Church Street, Cabramatta	25 Lawrence Hargrave Road, Warwick Farm
Equipment type (serial)	SVAN 977 SN 36871	SVAN 977 SN 36874	SVAN 977 SN 36872	SVAN 977 SN 45743	SVAN 977 SN 45744	SVAN 977 SN 45733	SVAN 977 SN 36873
Measurement started	12/10/2018 4:15 PM	12/10/2018 5:30 PM	18/10/2018 3:00 PM	18/10/2018 3:45 PM	18/10/2018 1:15 PM	18/10/2018 11:30 AM	18/10/2018 4:45 PM
Measurement ceased	01/11/2018 2:30 PM	01/11/2018 3:15 PM	01/11/2018 10:30 AM	01/11/2018 11:15 AM	01/11/2018 10:30 AM	01/11/2018 10:15 AM	01/11/2018 9:45 AM
Time intervals	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes	15 minutes
Frequency weighting	A	A	A	A	A	A	A
Time Response	Fast	Fast	Fast	Fast	Fast	Fast	Fast
Photo							

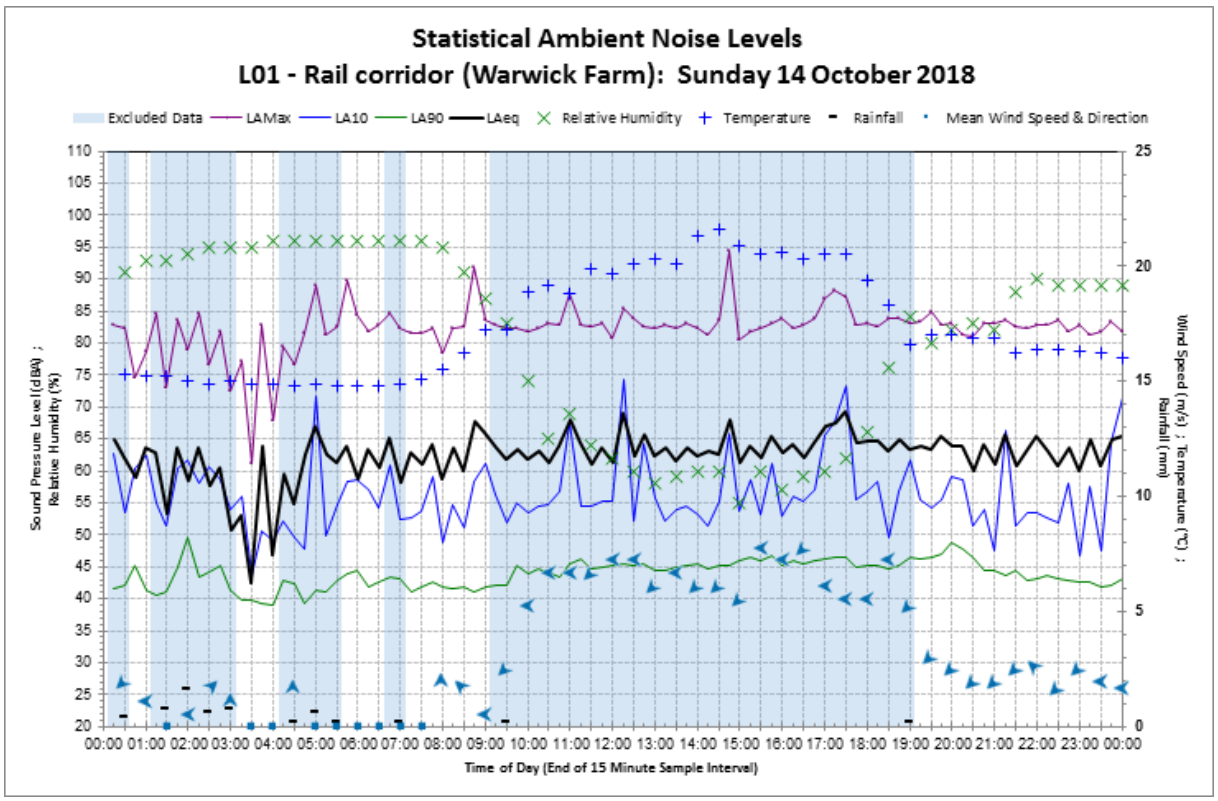
L01 – Rail corridor (Warwick Farm)

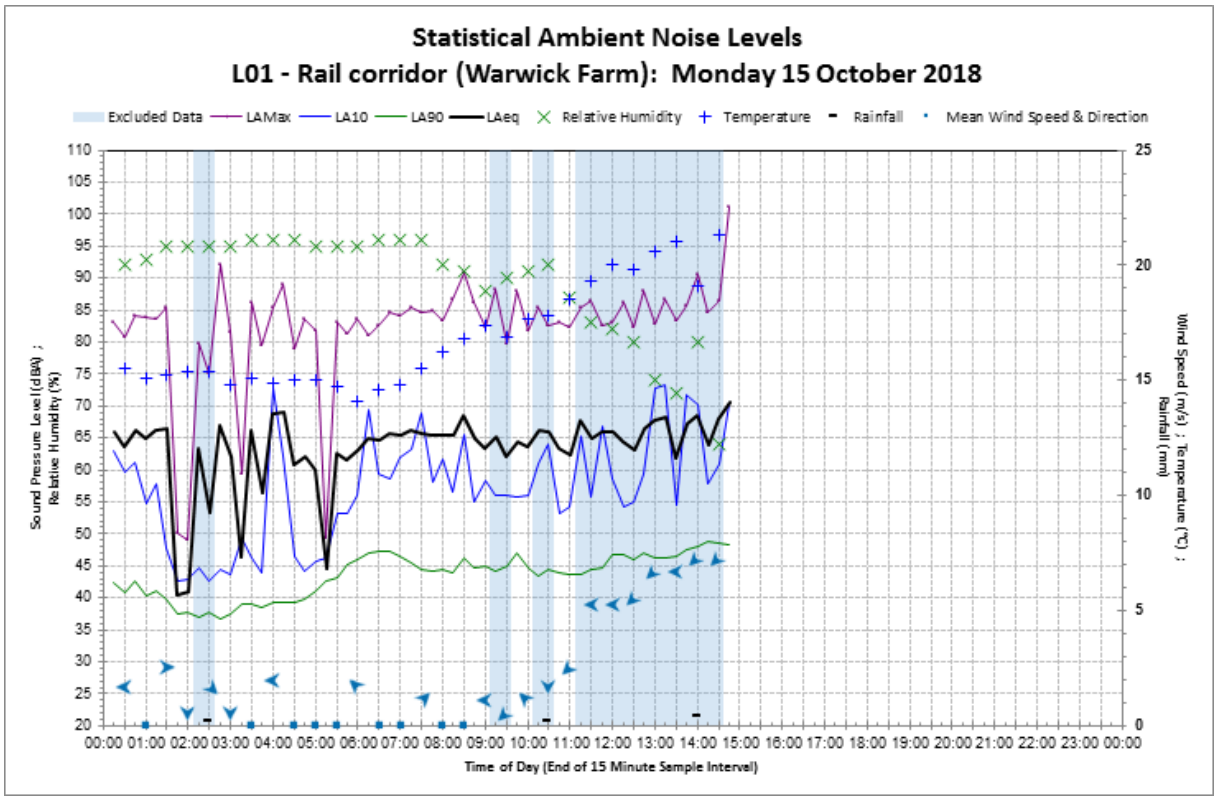
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7am to 6pm)	Evening (6pm to 10pm)	Night (10pm to 7am)	Day (7am to 6pm)	Evening (6pm to 10pm)	Night (10pm to 7am)	Day (7am to 10pm)	Night (10pm to 7am)
12/10/2018		45	38		65	62	65	62
13/10/2018	43	41	39	64	64	62	64	62
14/10/2018	41	43	38	65	64	64	64	64
15/10/2018	44			66			66	-
RBL / Log Average and LAeq	**-**	**-**	**-**	**65**	**64**	**63**	**65**	**63**

Note: Equipment malfunctioned after the 4th day.


Statistical Ambient Noise Levels
L01 - Rail corridor (Warwick Farm): Friday 12 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L01 - Rail corridor (Warwick Farm): Saturday 13 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

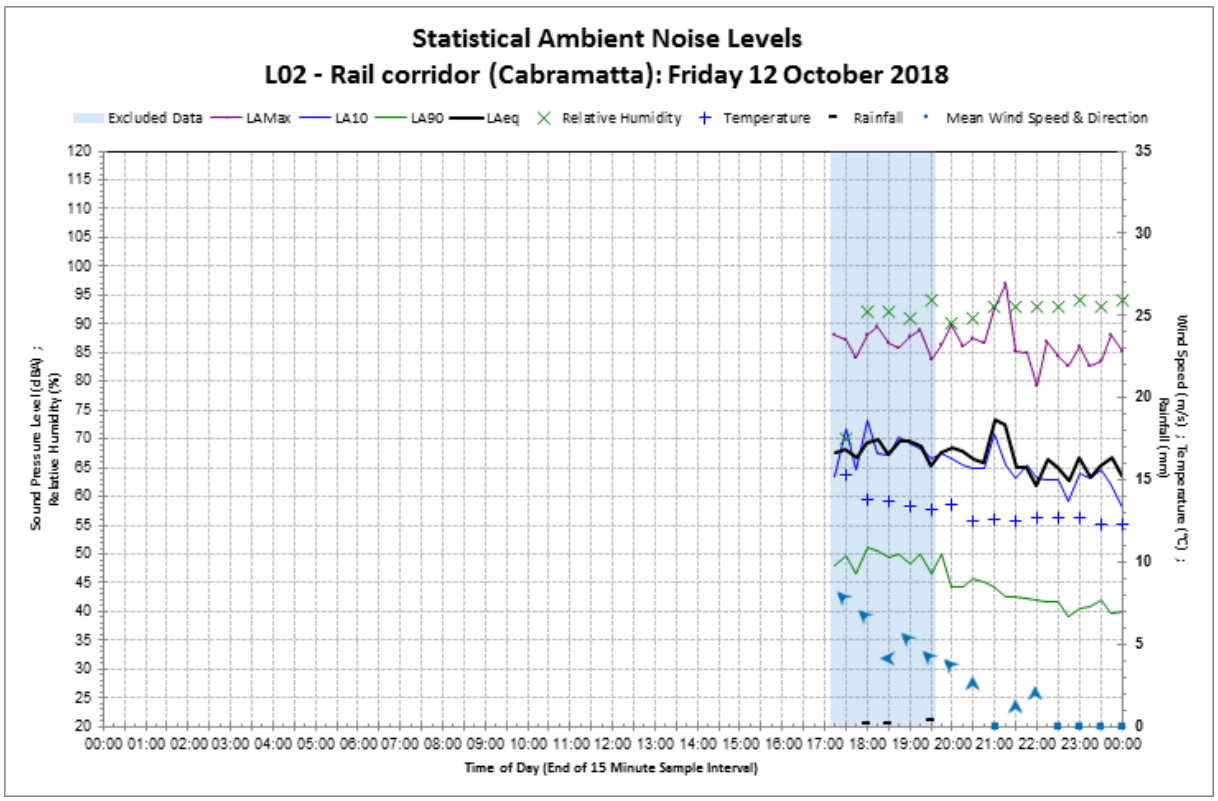

Statistical Ambient Noise Levels
L01 - Rail corridor (Warwick Farm): Sunday 14 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

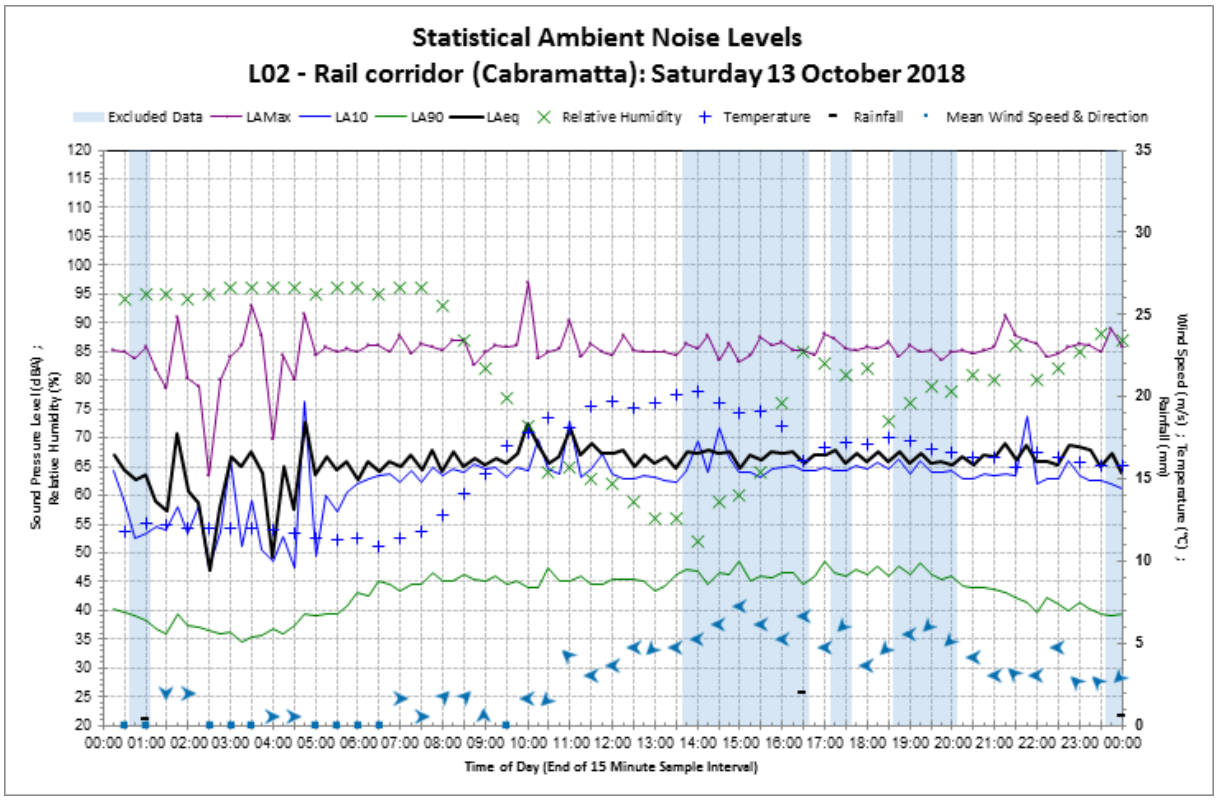

Statistical Ambient Noise Levels
L01 - Rail corridor (Warwick Farm): Monday 15 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

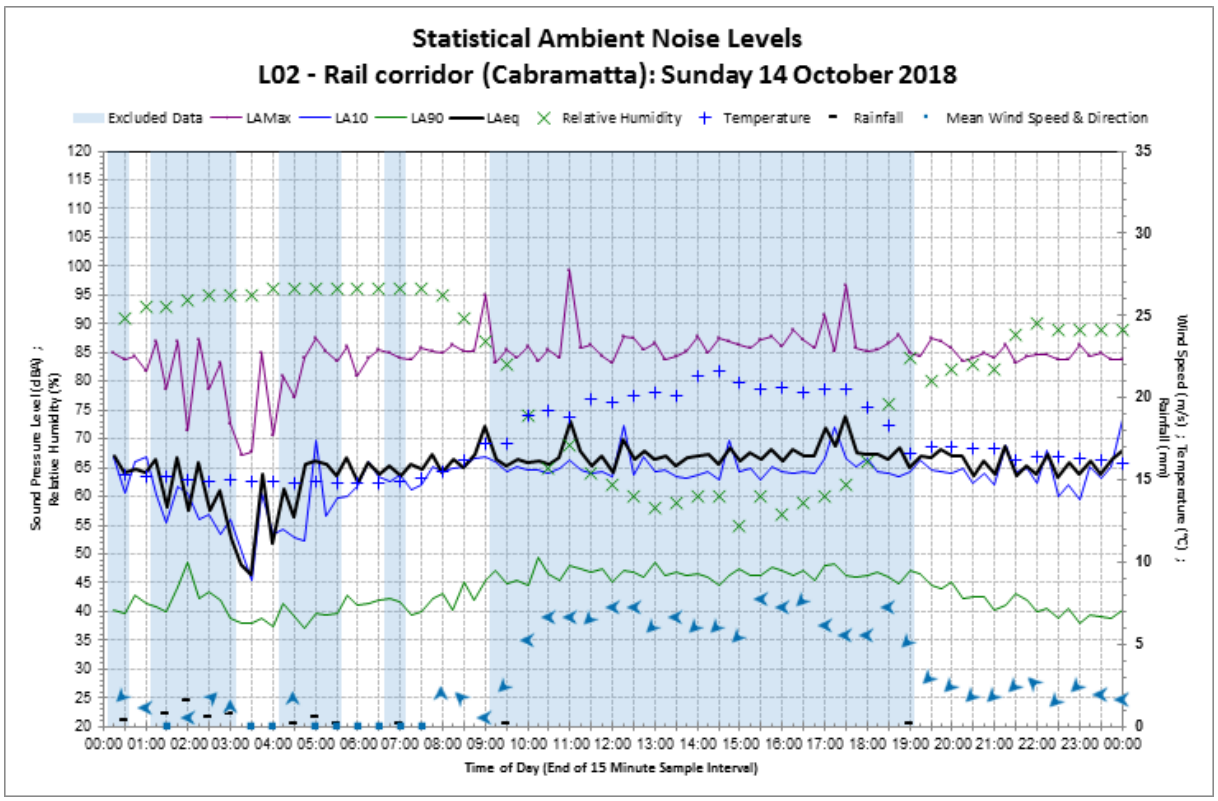
L02 – Rail corridor (Cabramatta)

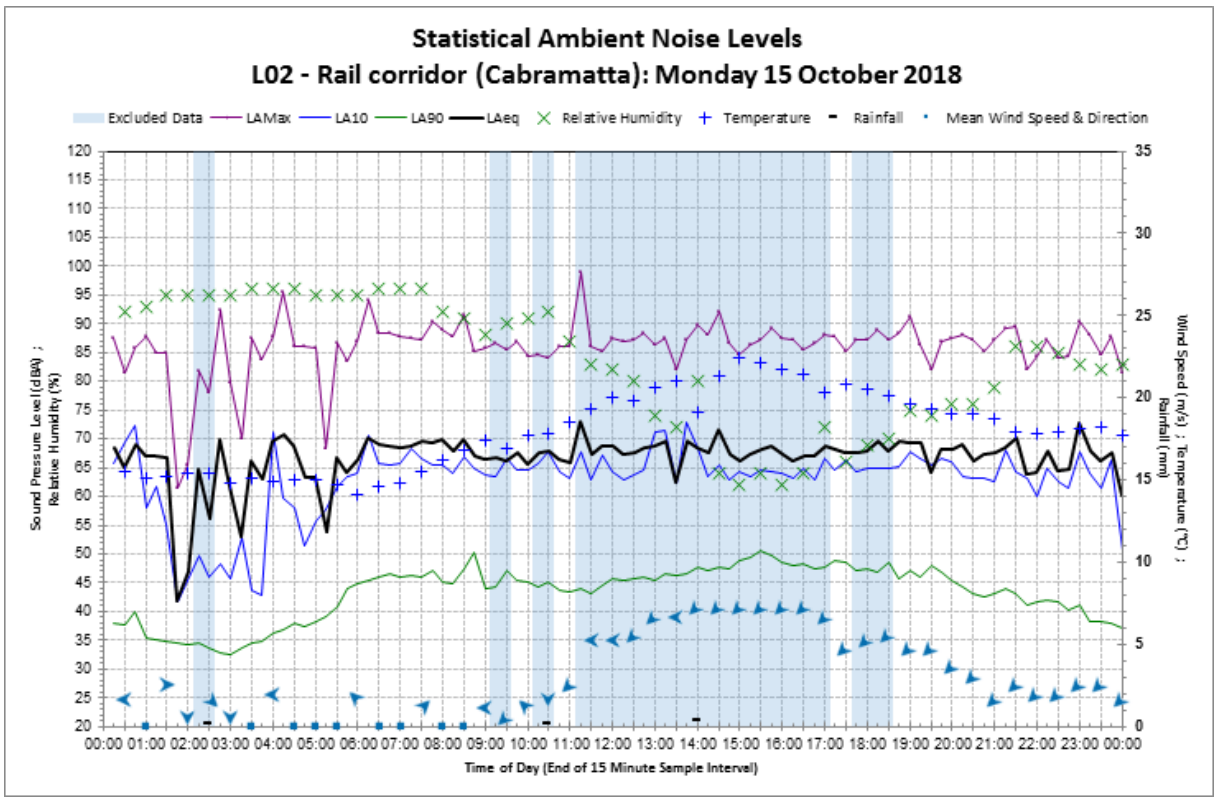
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
12/10/2018		42	36		69	65	69	65
13/10/2018	44	40	38	67	67	65	67	65
14/10/2018	40	40	34	69	66	67	67	67
15/10/2018	44	42	35	68	68	67	68	67
16/10/2018	44	41	34	68	68	67	68	67
17/10/2018	43	44	33	69	70	66	69	66
18/10/2018	43	43	33	68	68	67	68	67
19/10/2018	42	44	36	69	69	65	69	65
20/10/2018	44	43	30	67	66	66	67	66
21/10/2018	-	40	30	-	66	67	66	67
22/10/2018	43	40	35	69	69	67	69	67
23/10/2018	42	41	36	68	69	67	69	67
24/10/2018	-	37	31	-	68	67	68	67
25/10/2018	42	42	35	68	69	67	69	67
26/10/2018	46	38	31	69	68	66	68	66
27/10/2018	43	44	33	67	67	65	67	65
28/10/2018	-	35	28	-	66	67	66	67
29/10/2018	42	38	32	69	69	67	69	67
30/10/2018	43	41	36	68	68	66	68	66
31/10/2018	40	39	33	69	69	67	69	67
01/11/2018	42			68			68	-
RBL / Log Average and LAeq	**43**	**41**	**33**	**68**	**68**	**66**	**68**	**66**

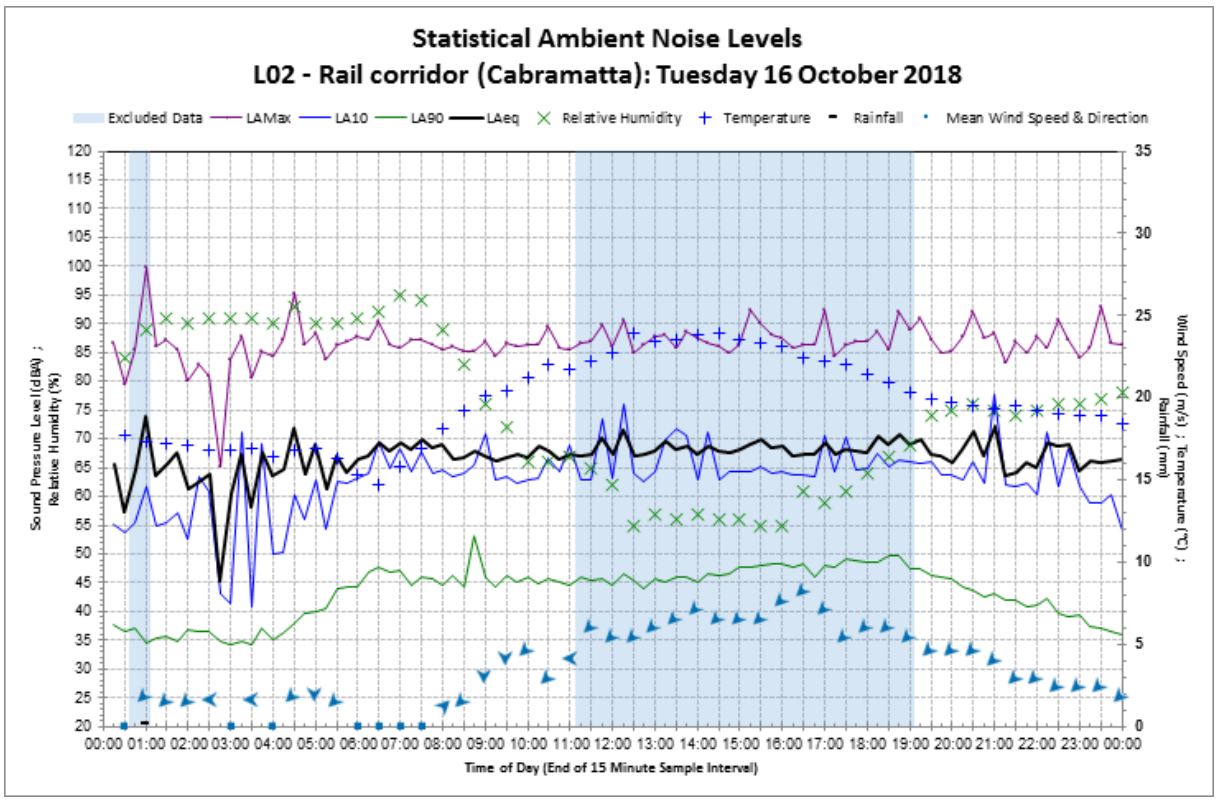
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

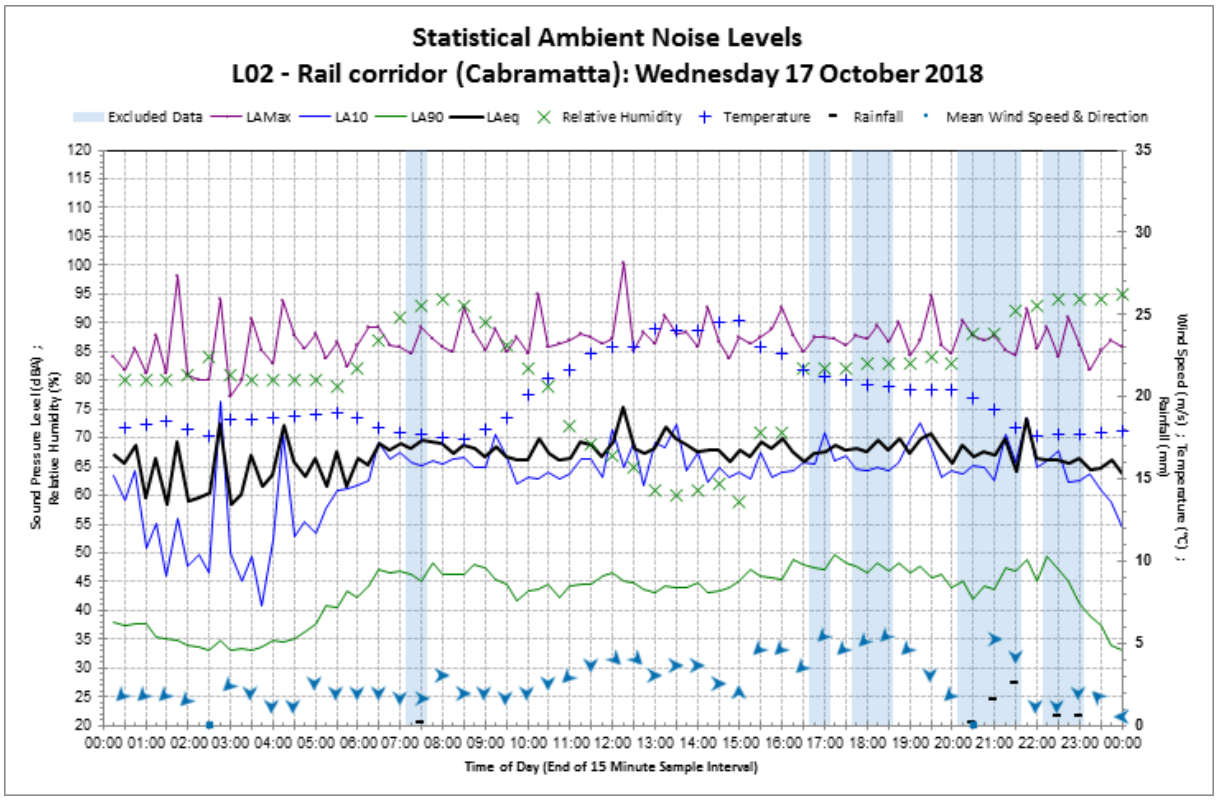

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Friday 12 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

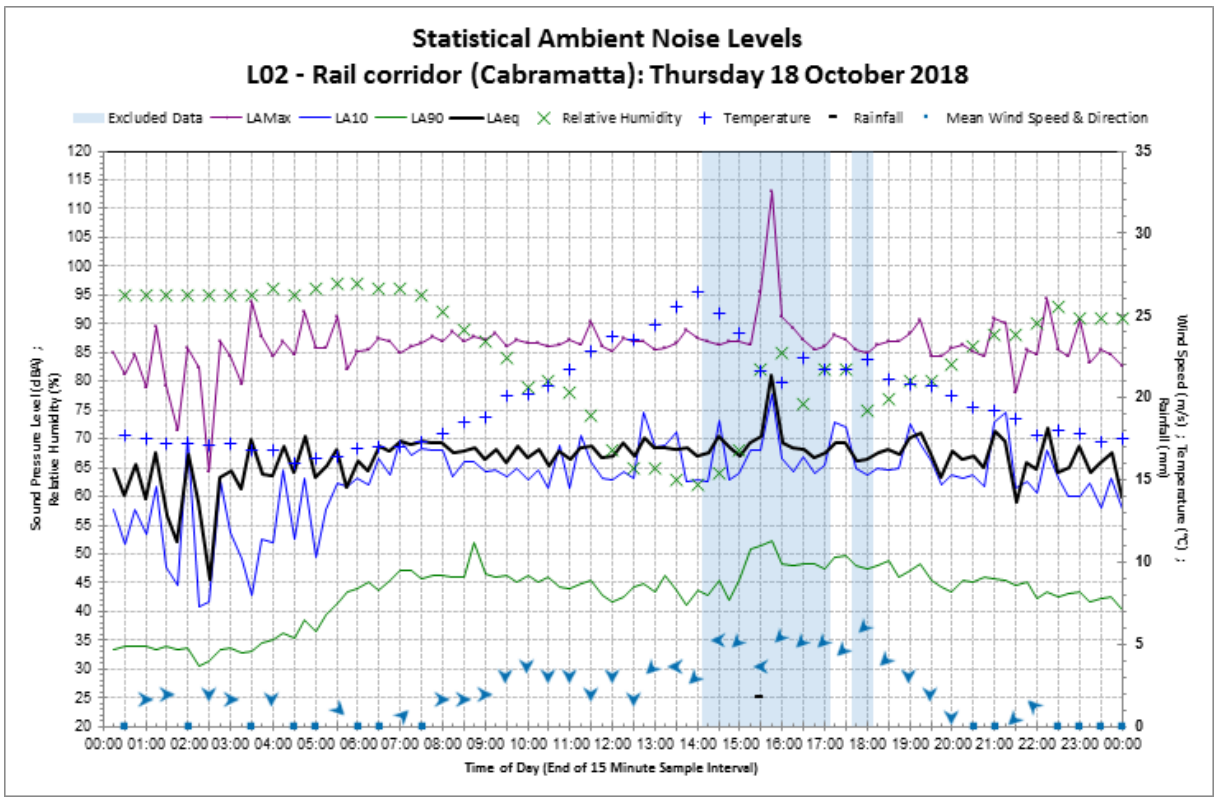

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Saturday 13 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

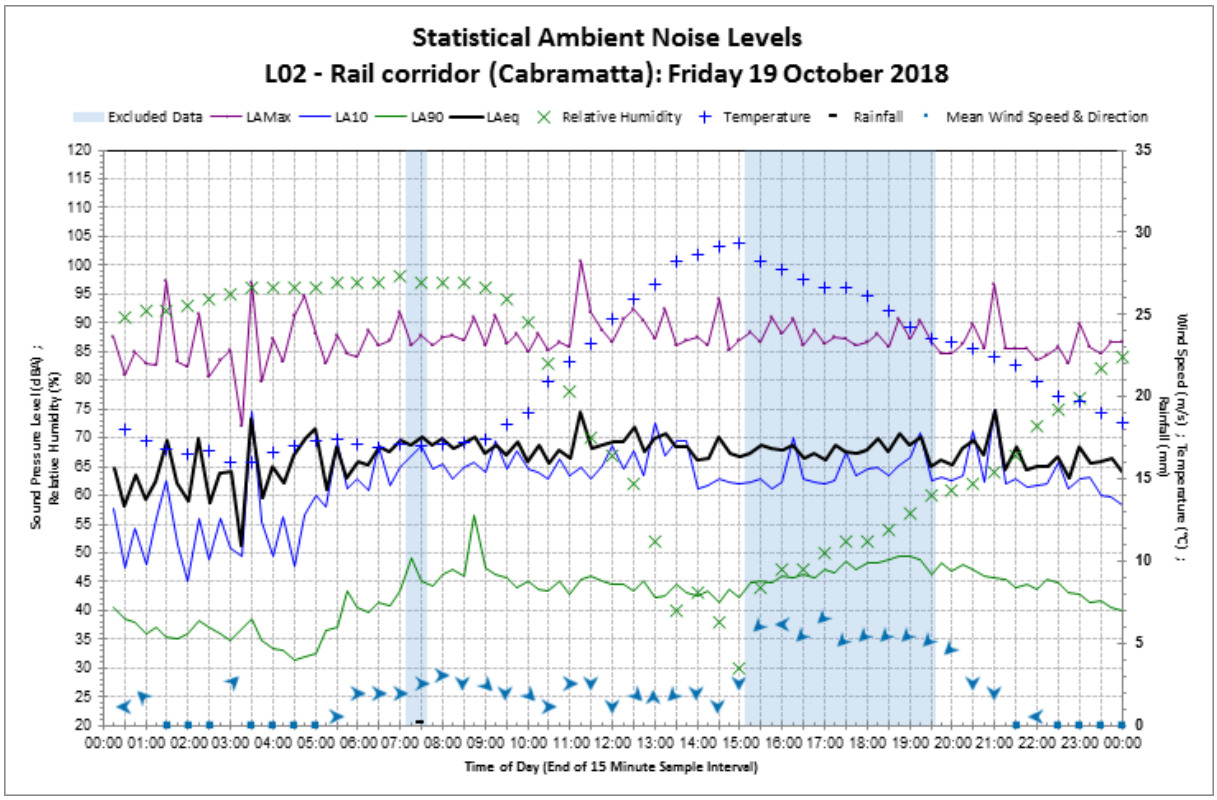

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Sunday 14 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

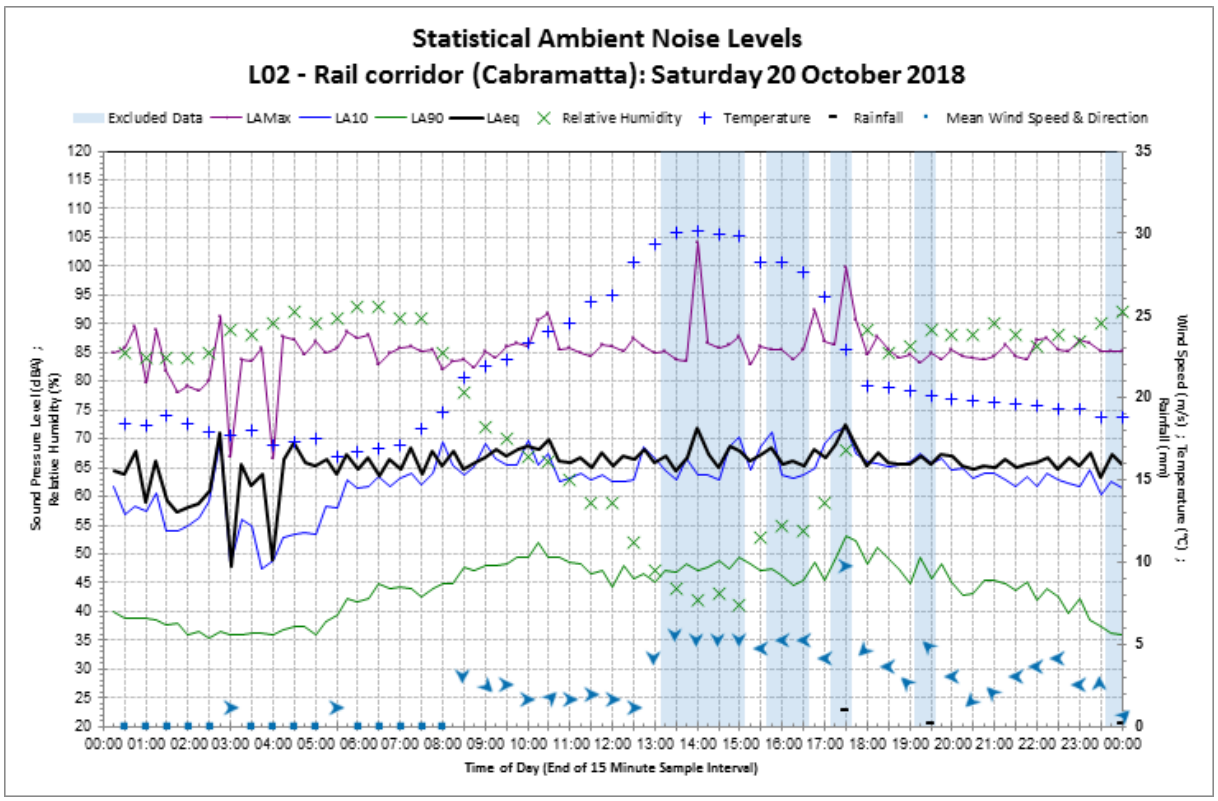

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Monday 15 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

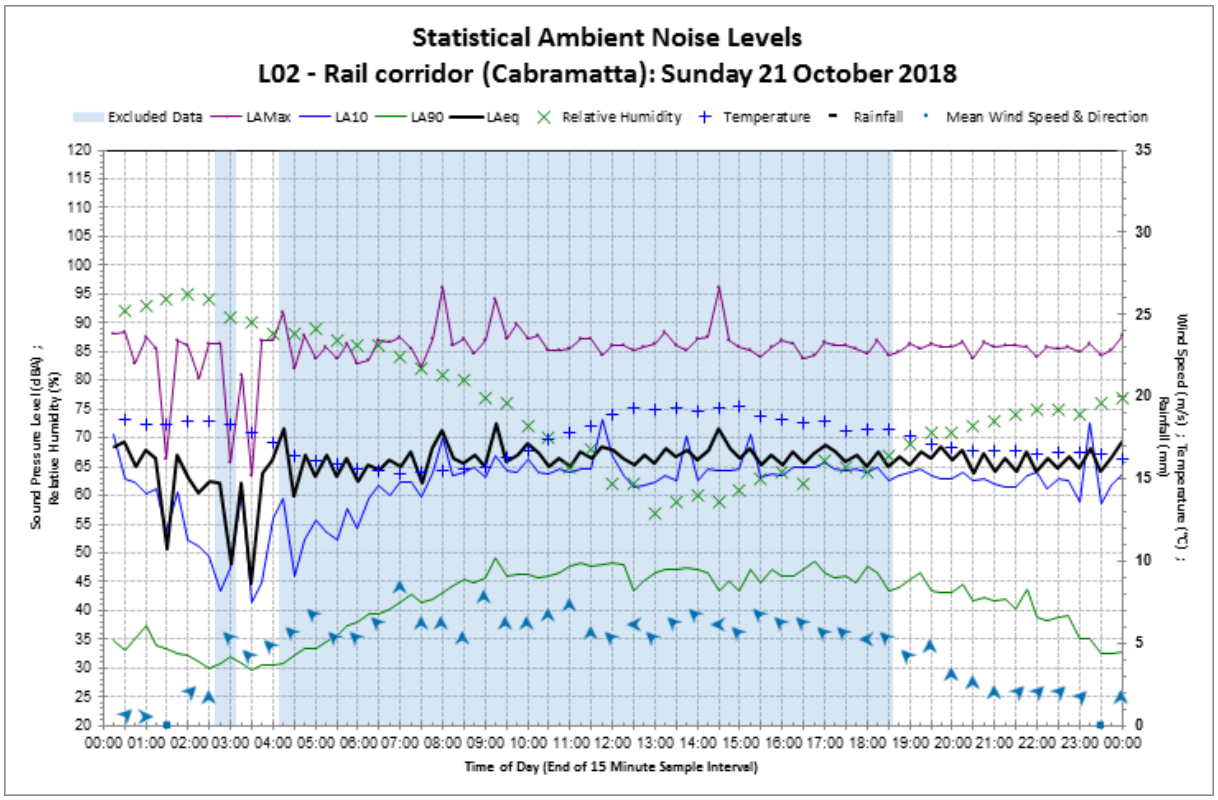

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Tuesday 16 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

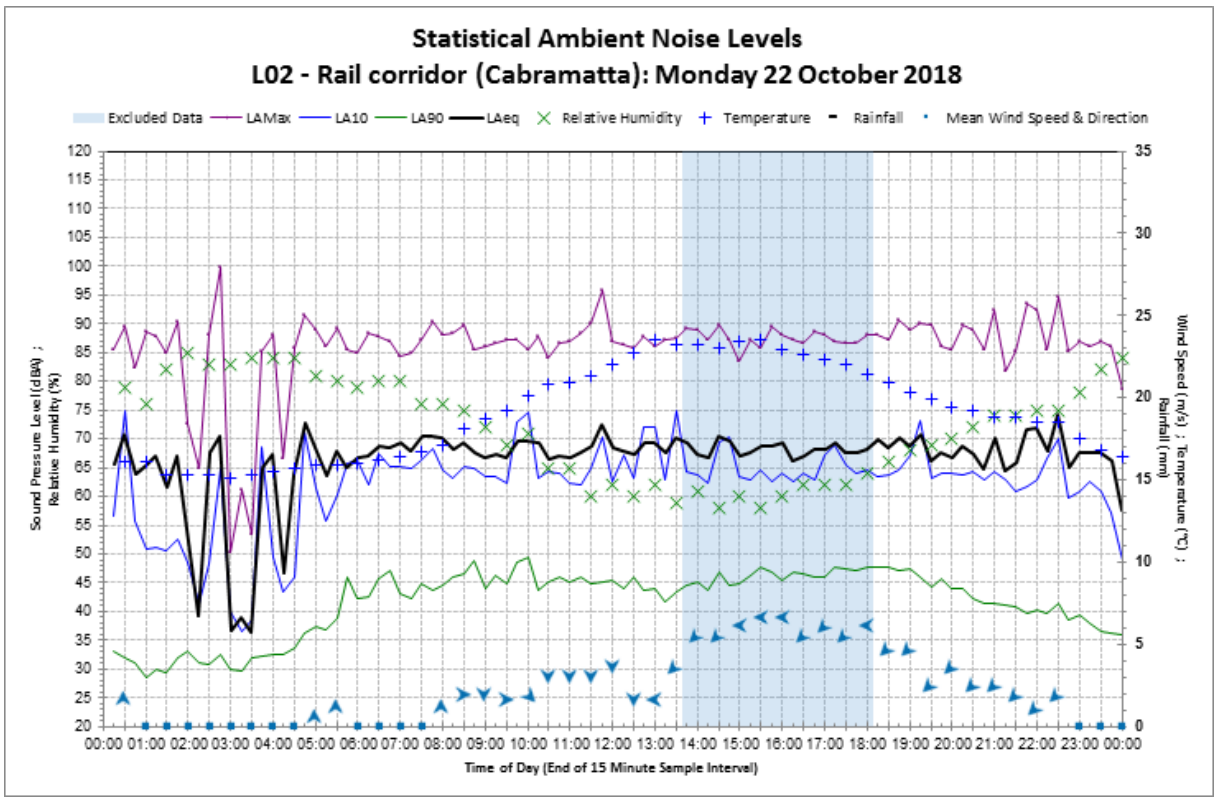

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Wednesday 17 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

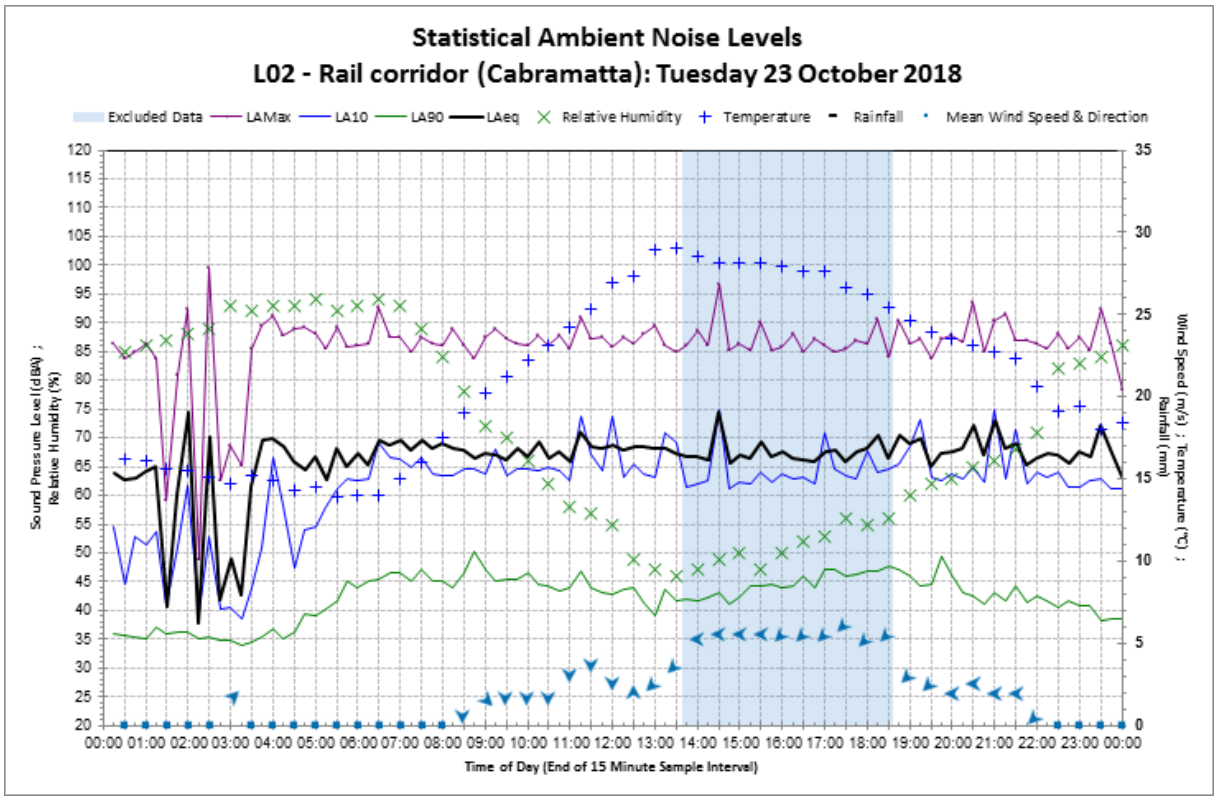

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

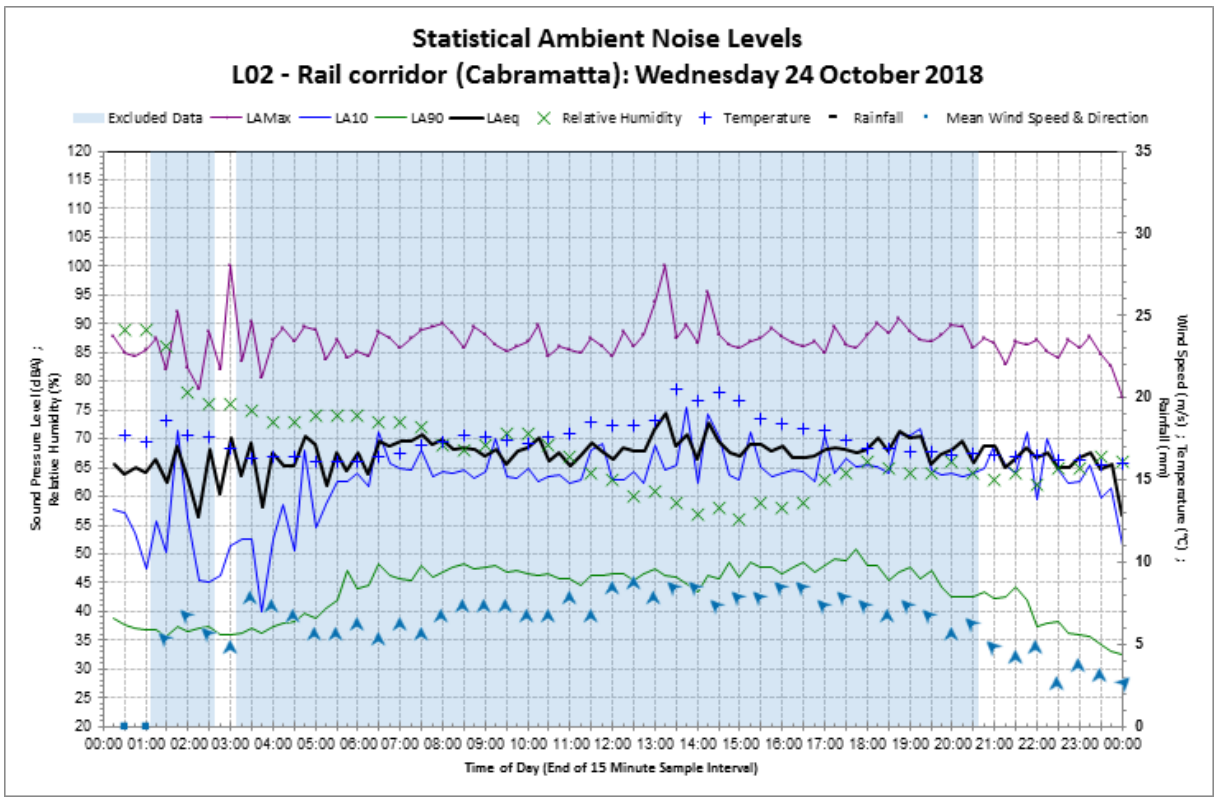

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

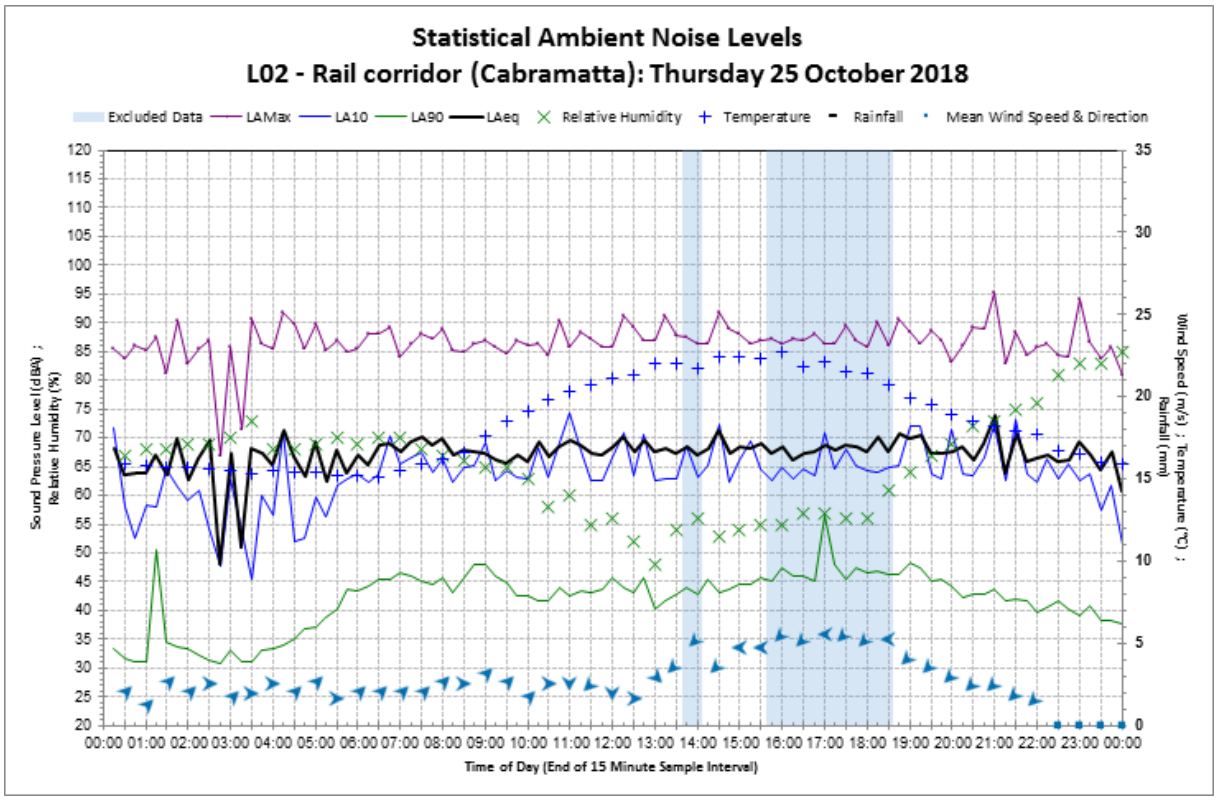

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

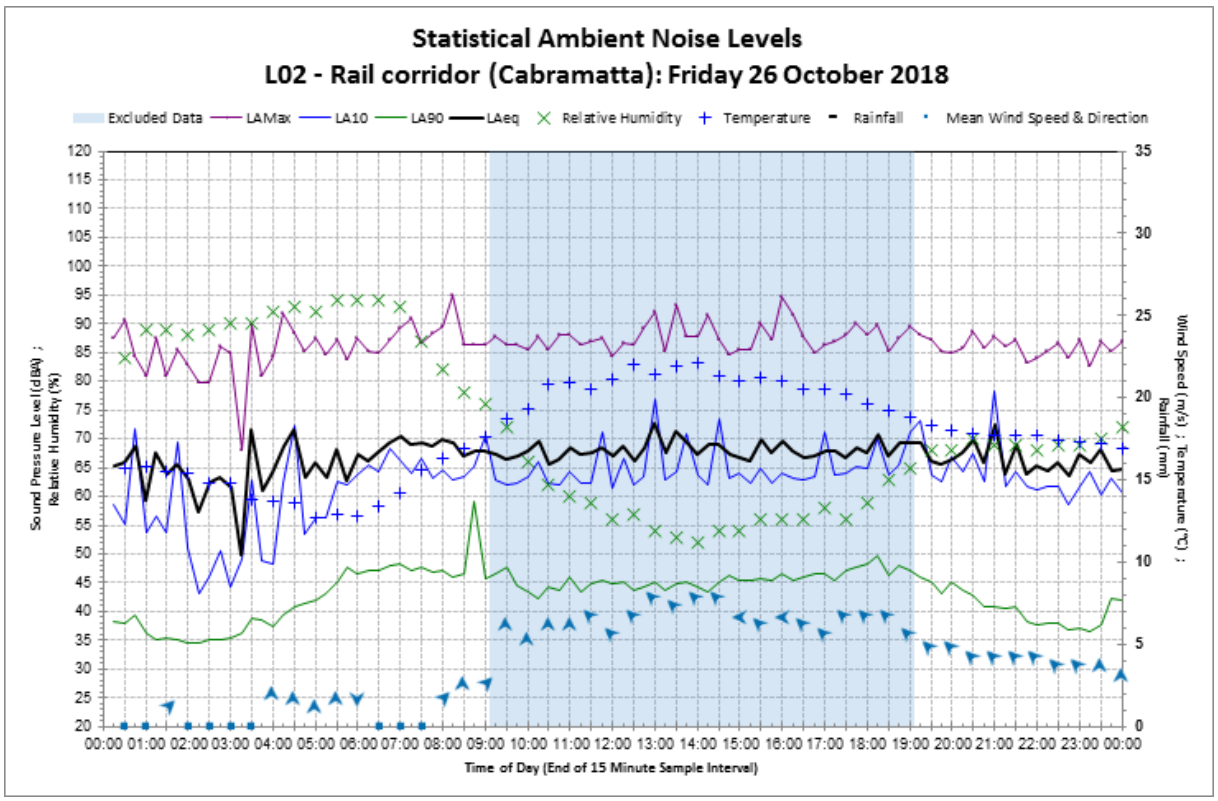

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

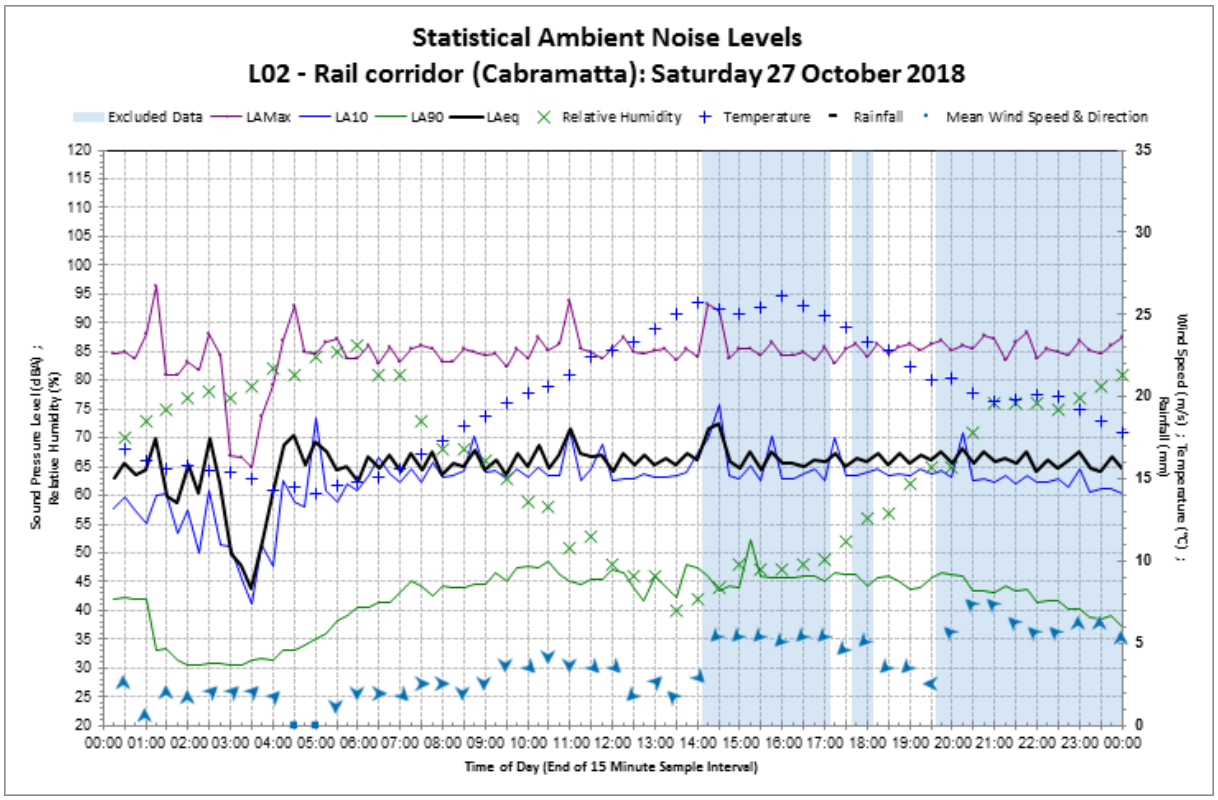

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

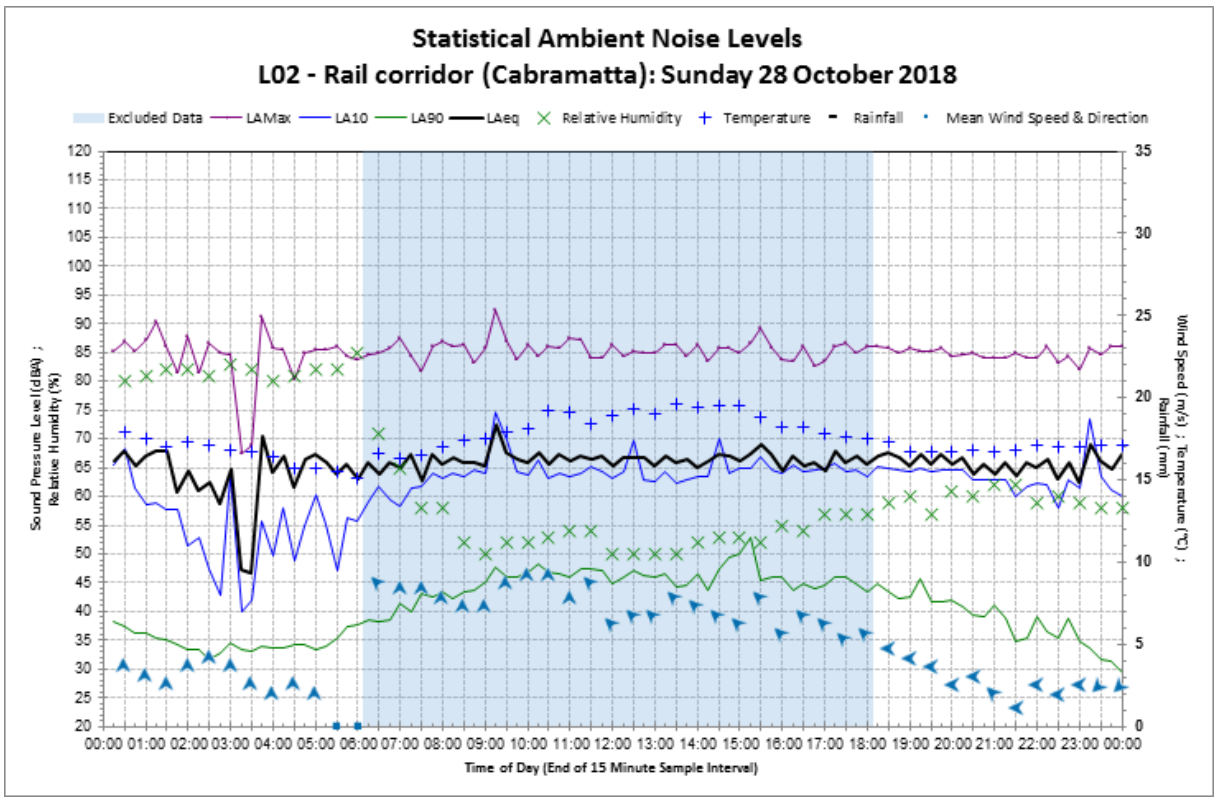

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

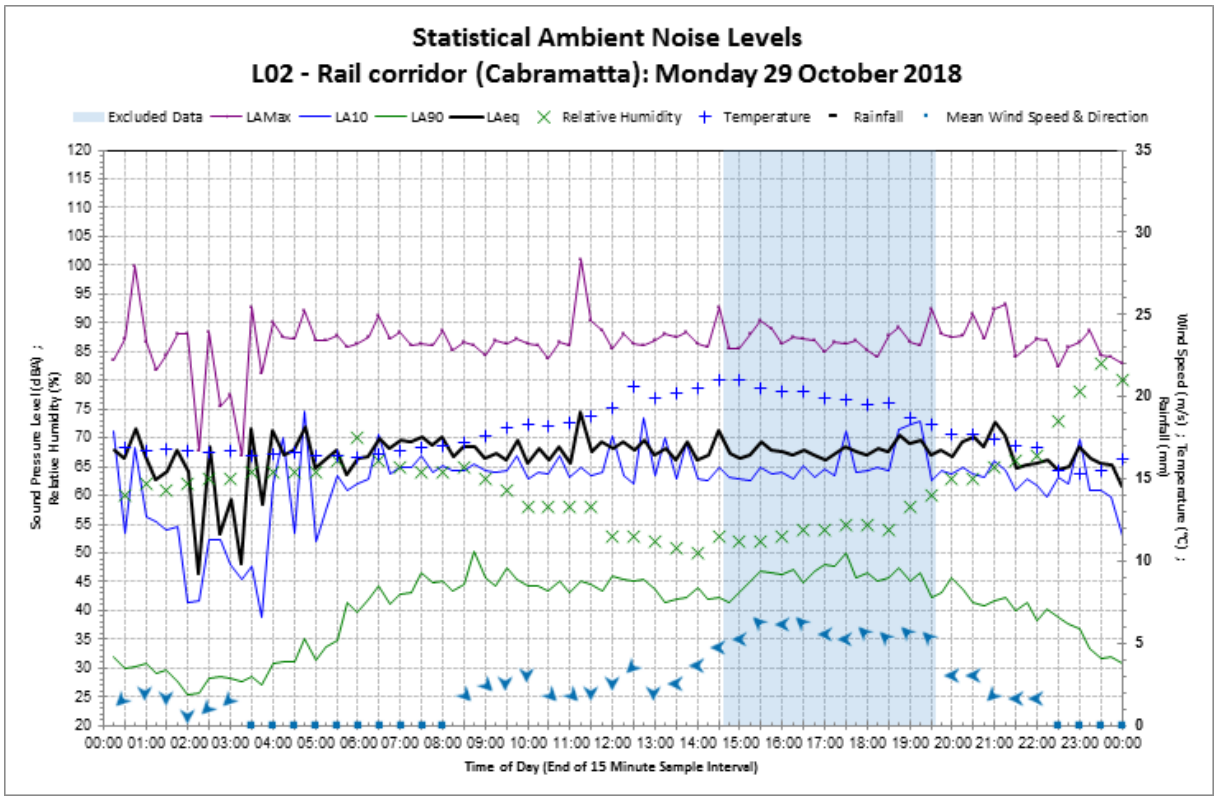

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

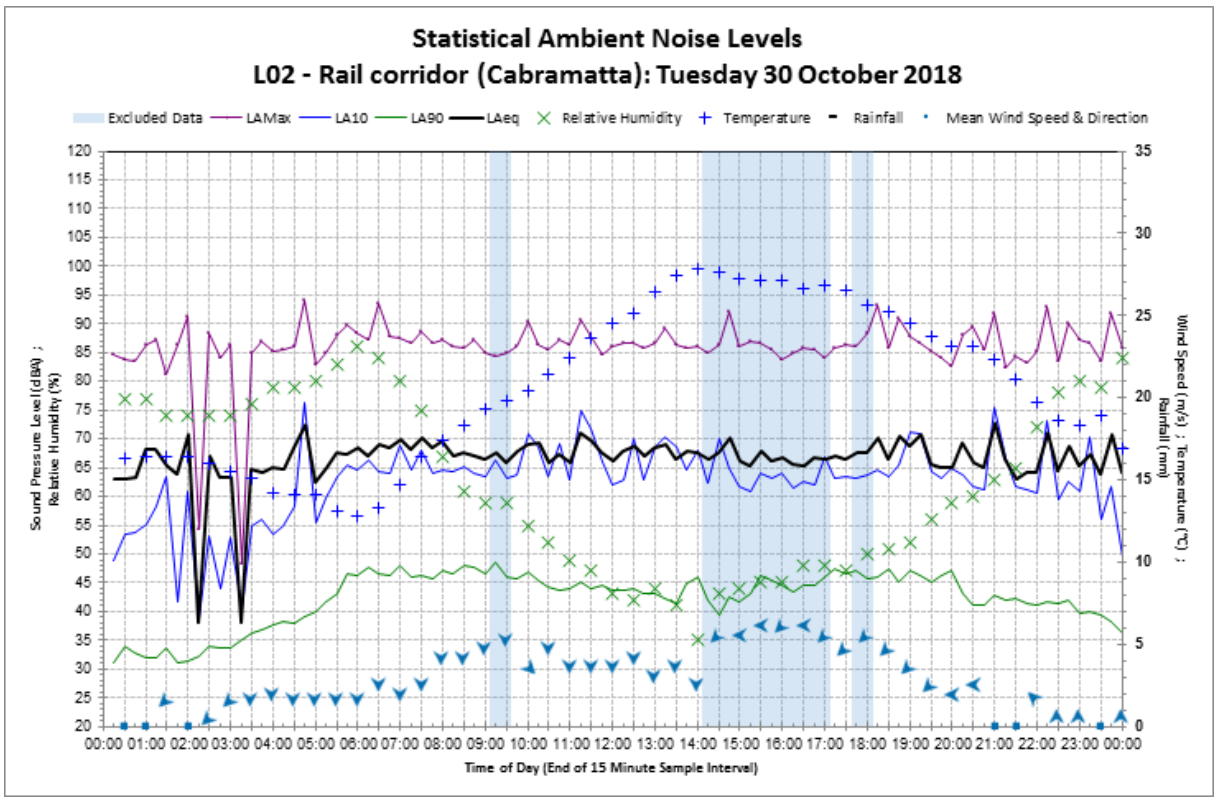

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

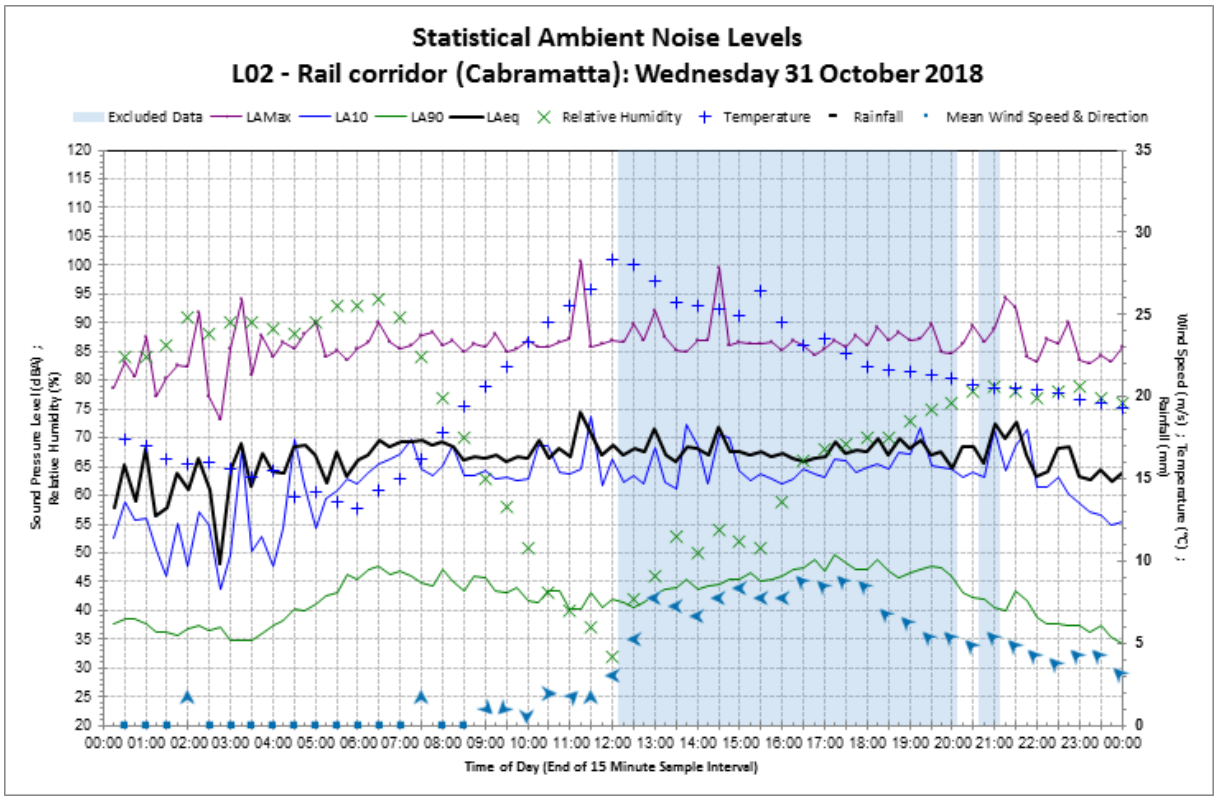

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

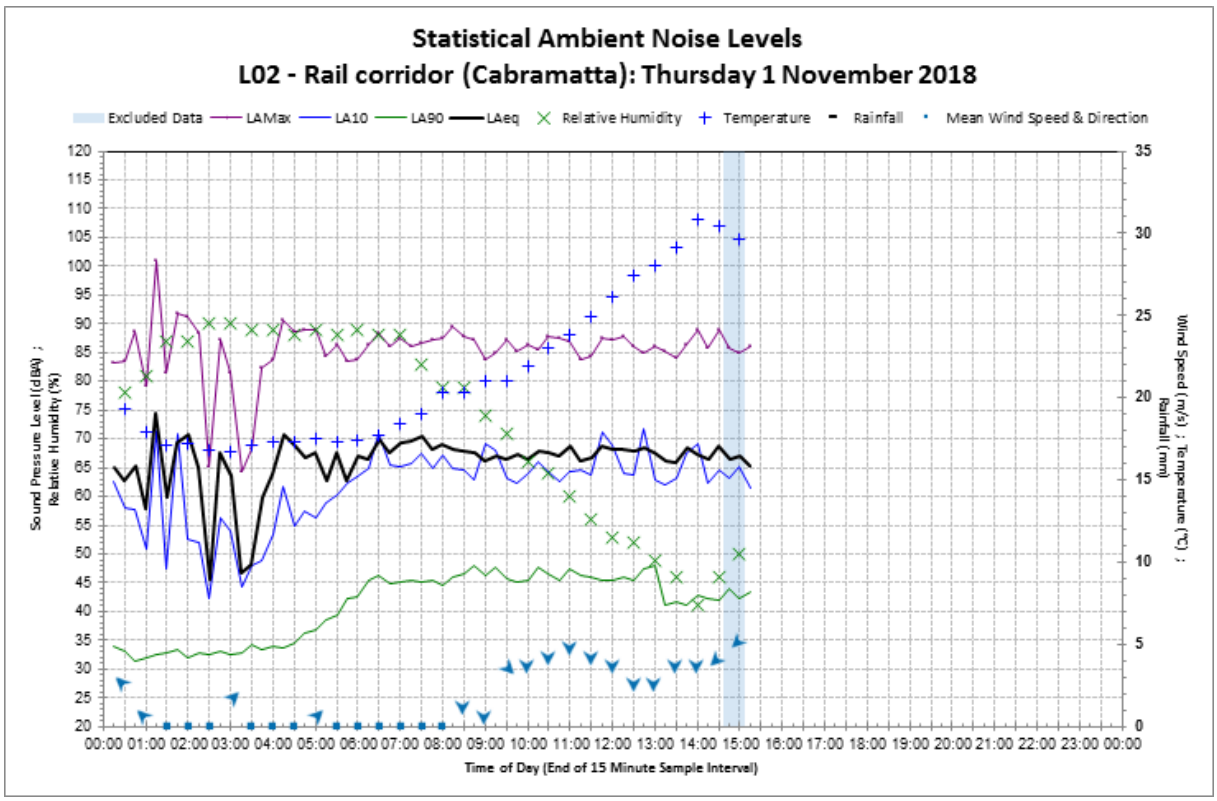

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

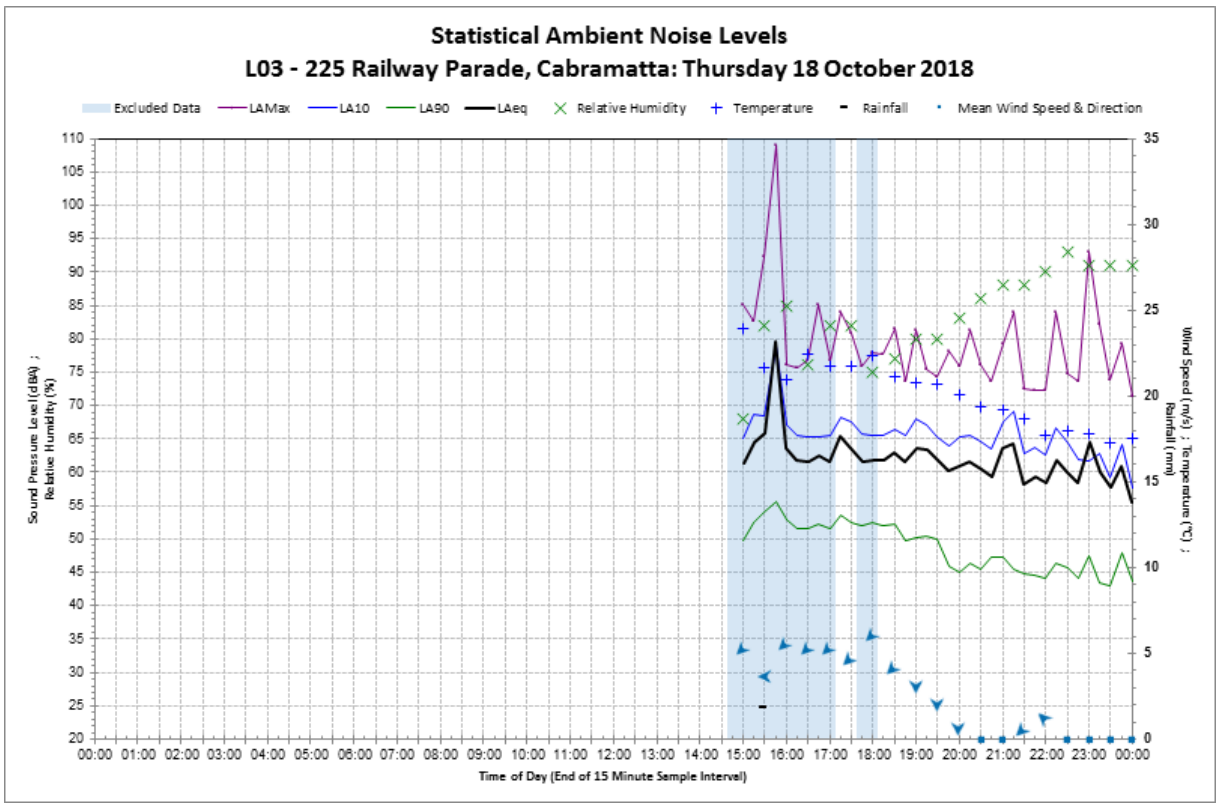

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

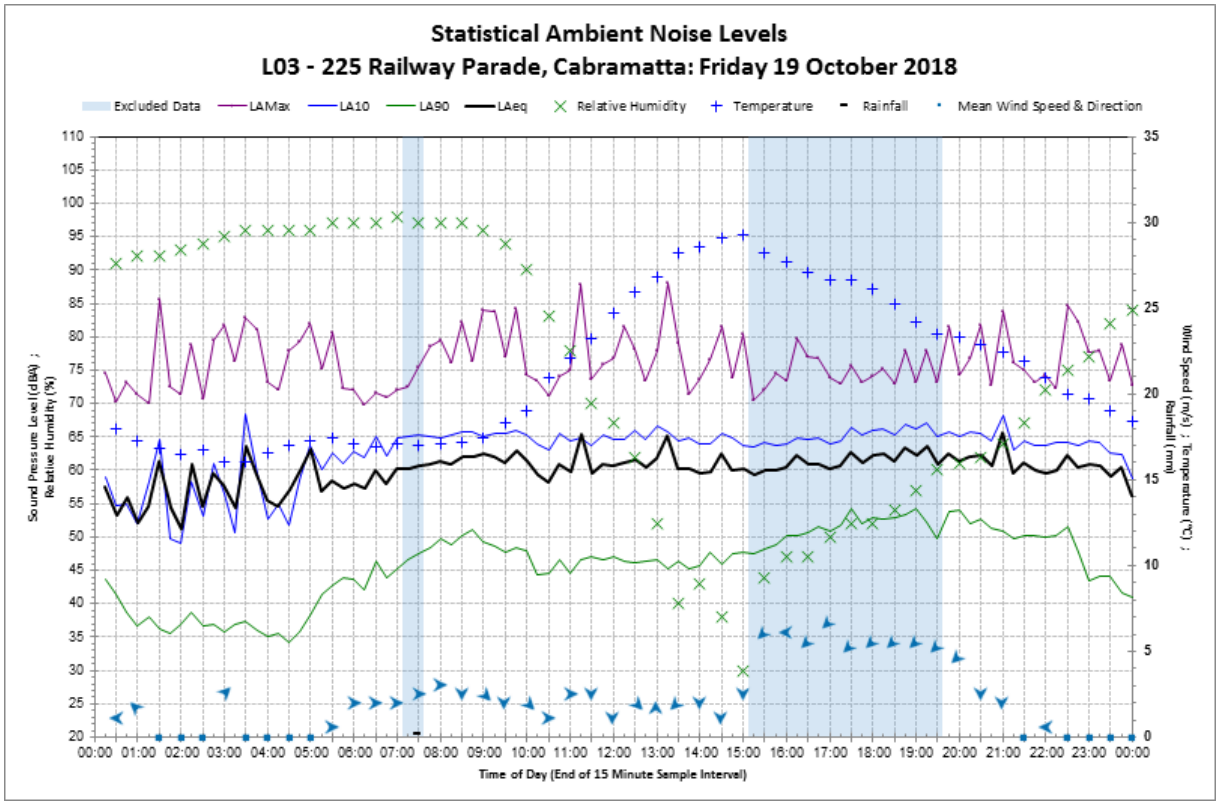

Statistical Ambient Noise Levels
L02 - Rail corridor (Cabramatta): Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Dey (End of 15 Minute Sample Interval)

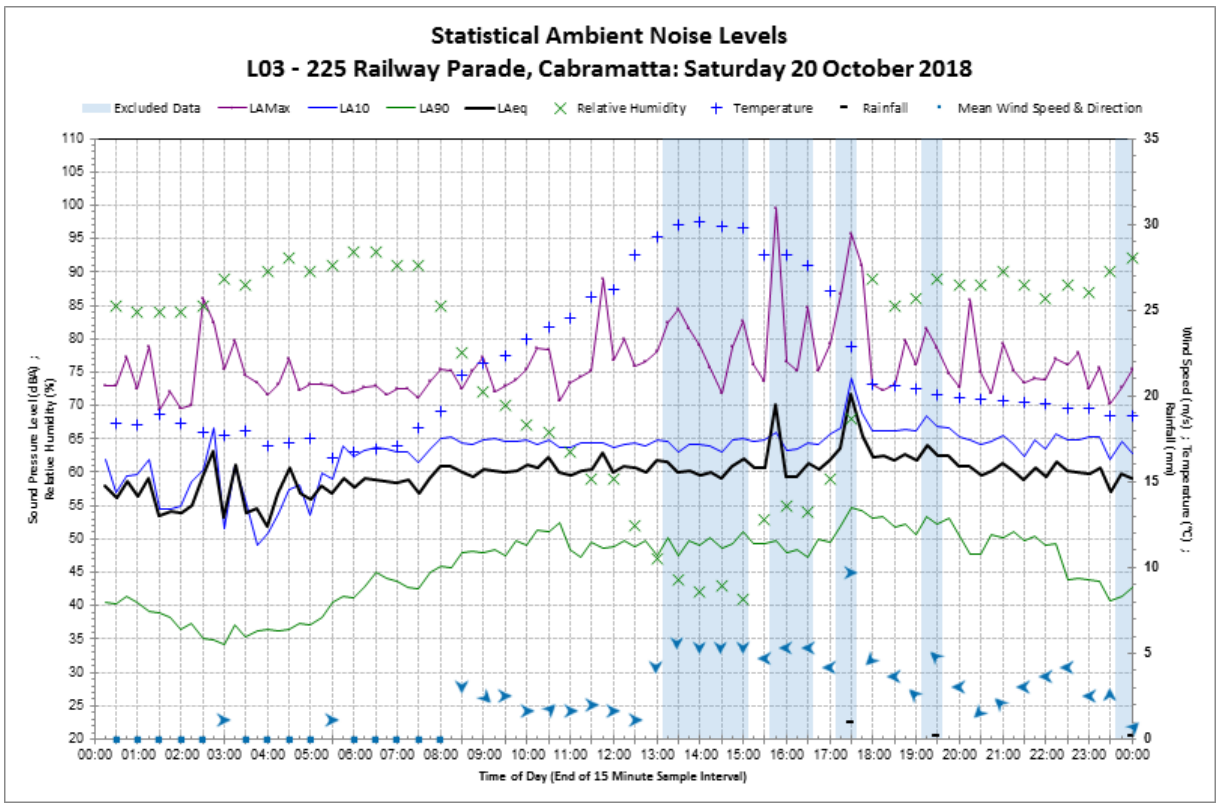
L03–225 Railway Parade, Cabramatta

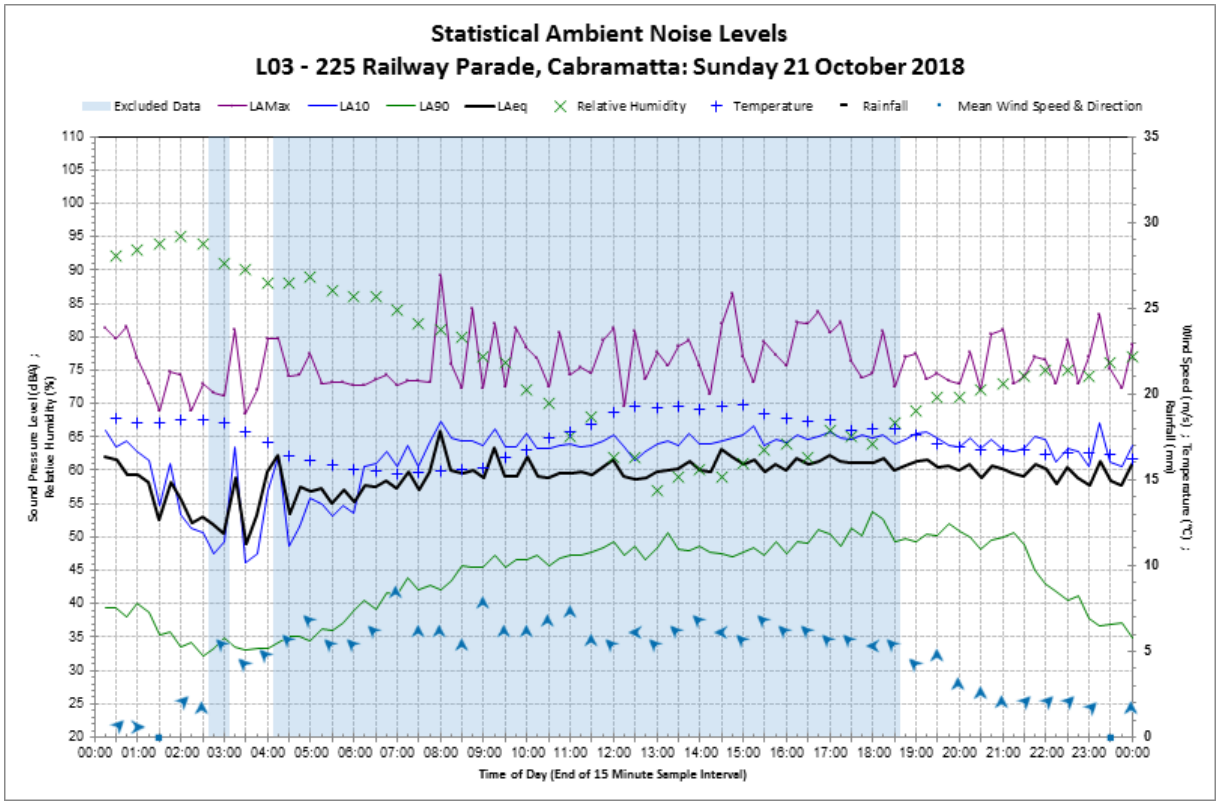
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
18/10/2018	-	45	36	-	62	59	62	59
19/10/2018	45	50	35	61	62	59	62	59
20/10/2018	45	48	33	61	61	59	61	59
21/10/2018	-	45	32	-	60	59	60	59
22/10/2018	46	42	35	61	62	59	62	59
23/10/2018	45	44	35	60	62	59	61	59
24/10/2018	-	41	33	-	62	59	62	59
25/10/2018	44	45	33	61	62	59	61	59
26/10/2018	46	44	33	60	61	61	61	61
27/10/2018	43	46	33	60	60	57	60	57
28/10/2018	-	41	31	-	60	59	60	59
29/10/2018	45	41	33	61	61	59	61	59
30/10/2018	45	43	35	61	61	59	61	59
31/10/2018	43	42	34	61	62	59	61	59
01/11/2018	46			60			60	59
RBL / Log Average and LAeq	**45**	**44**	**33**	**61**	**61**	**59**	**61**	**59**

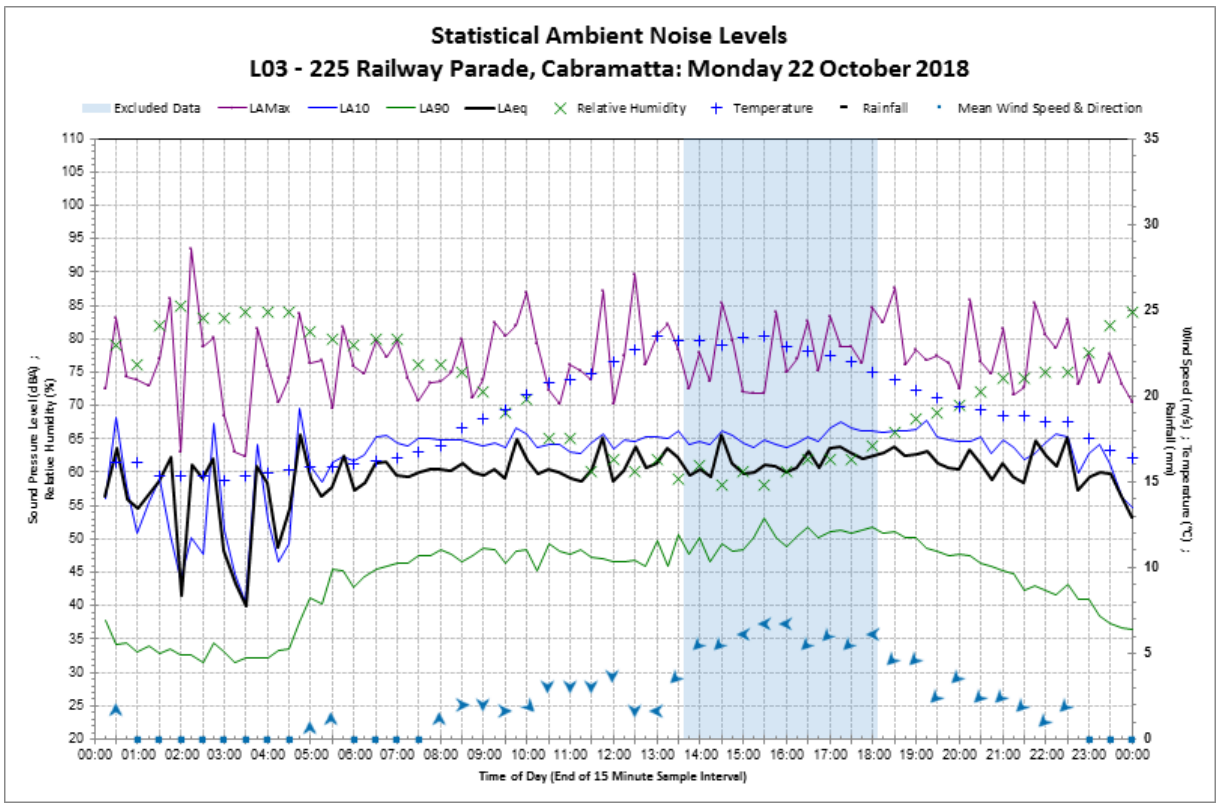
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

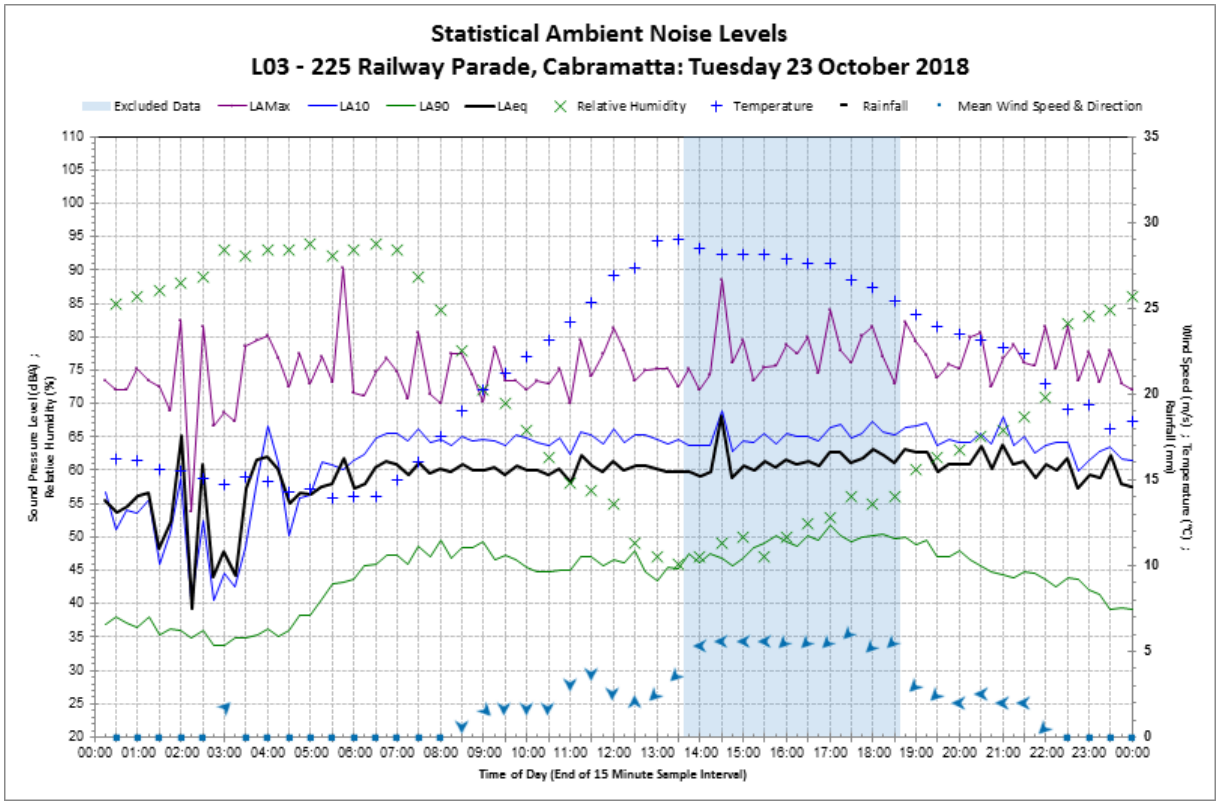

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

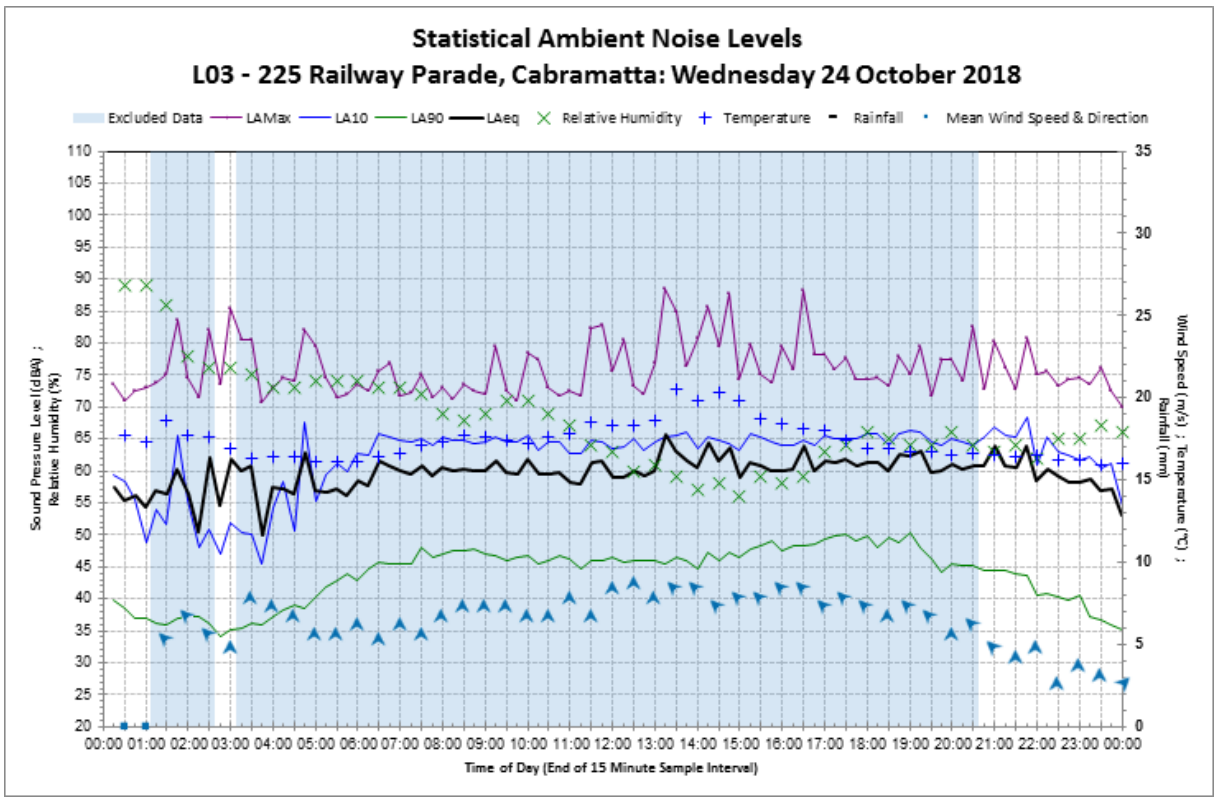

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

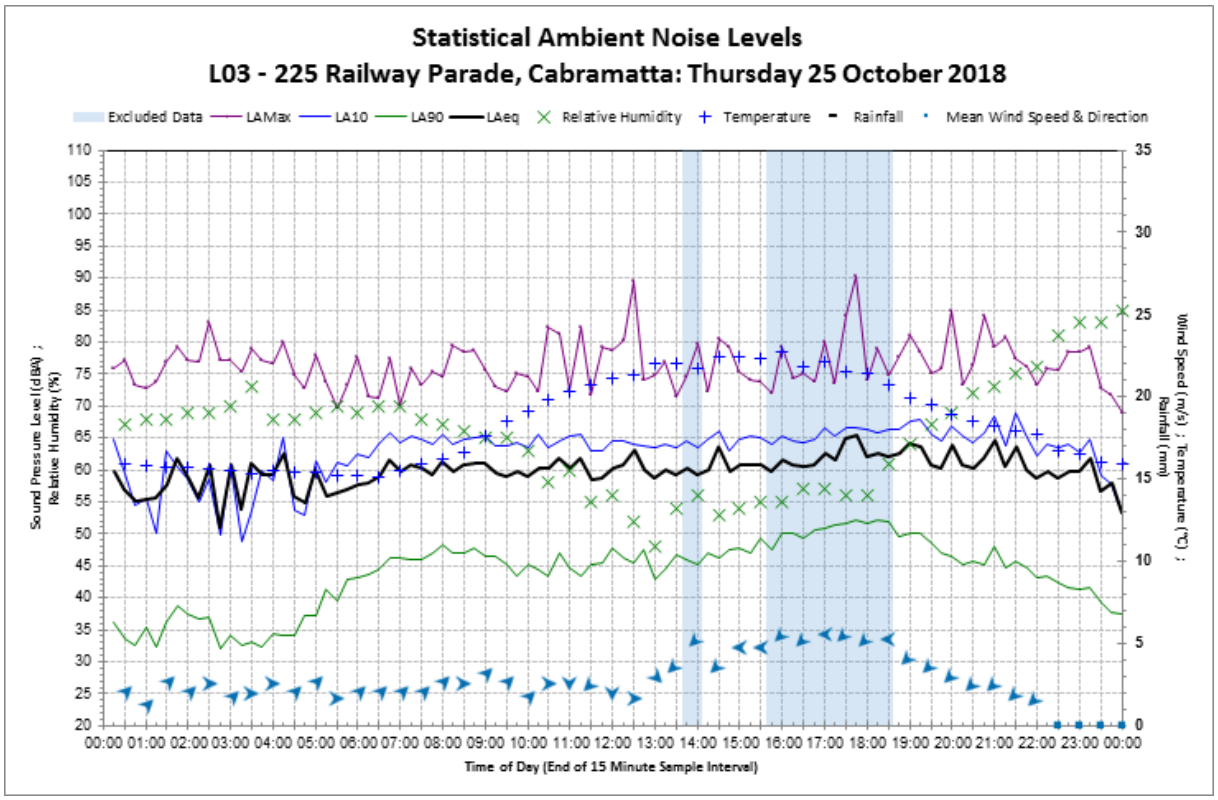

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

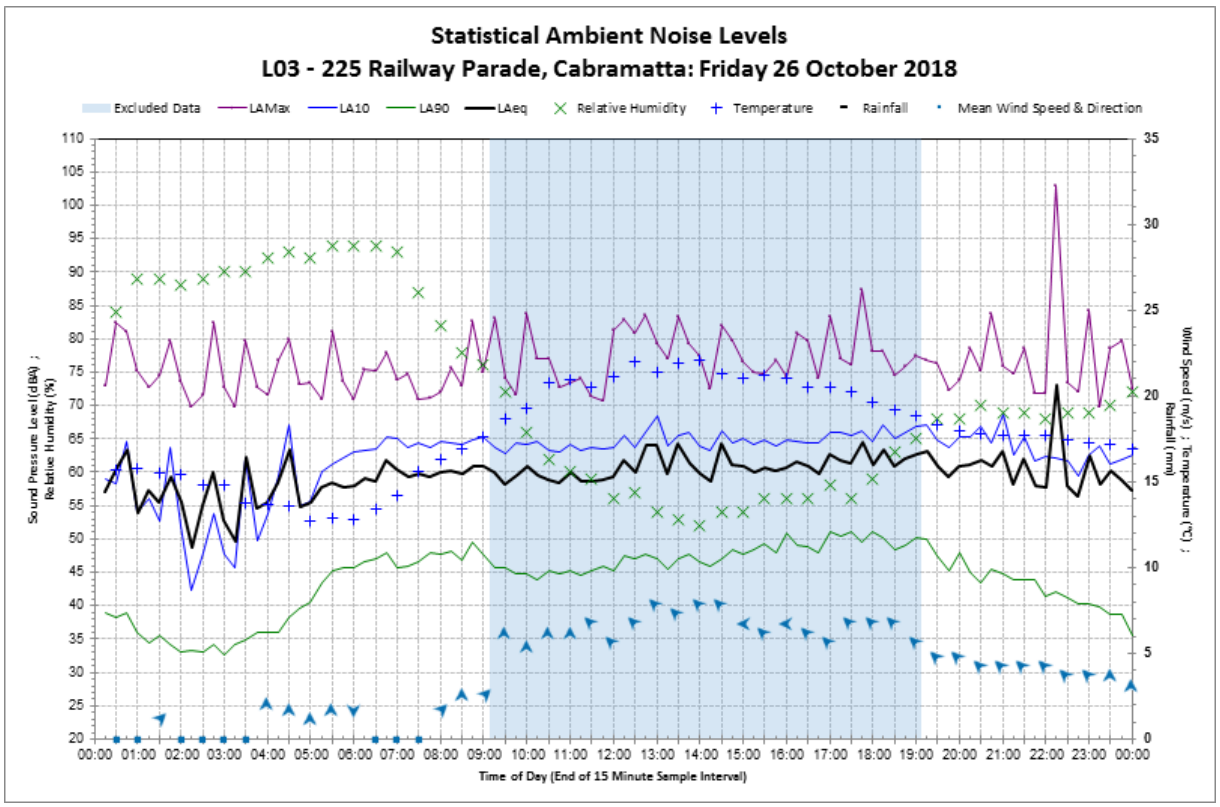

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

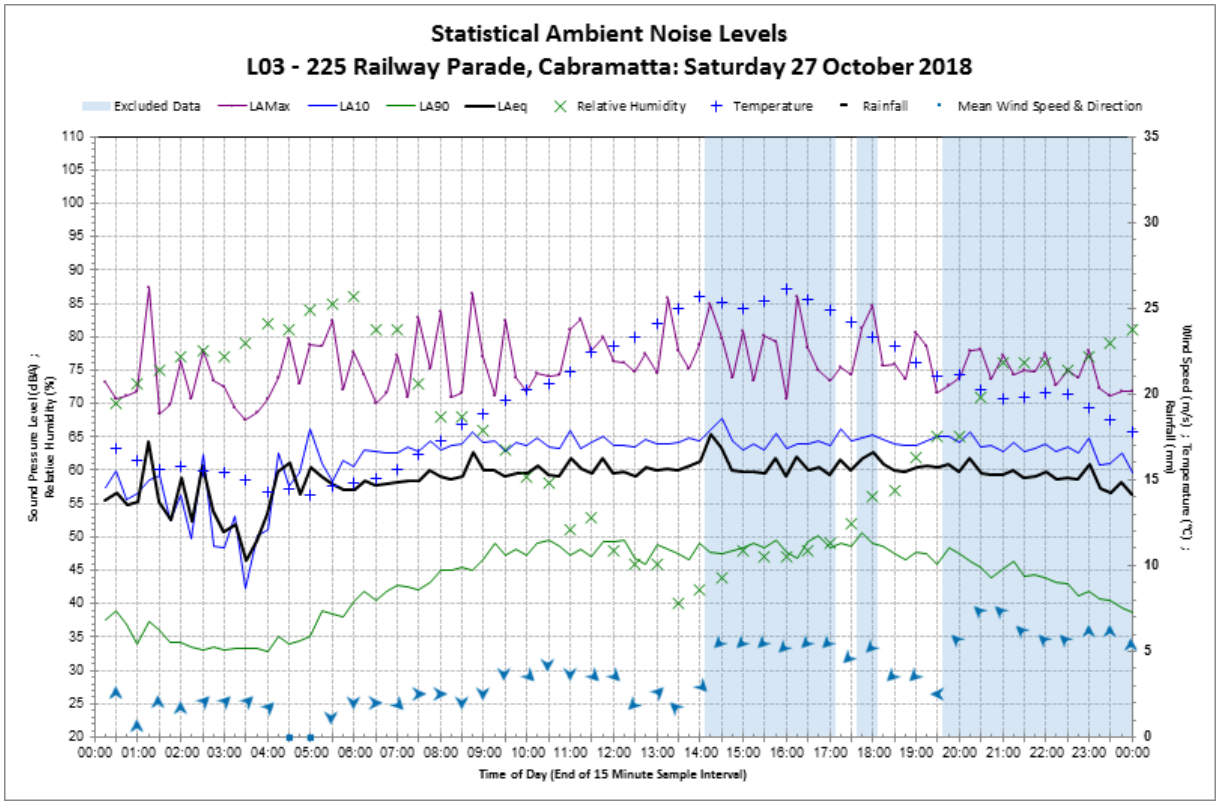

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

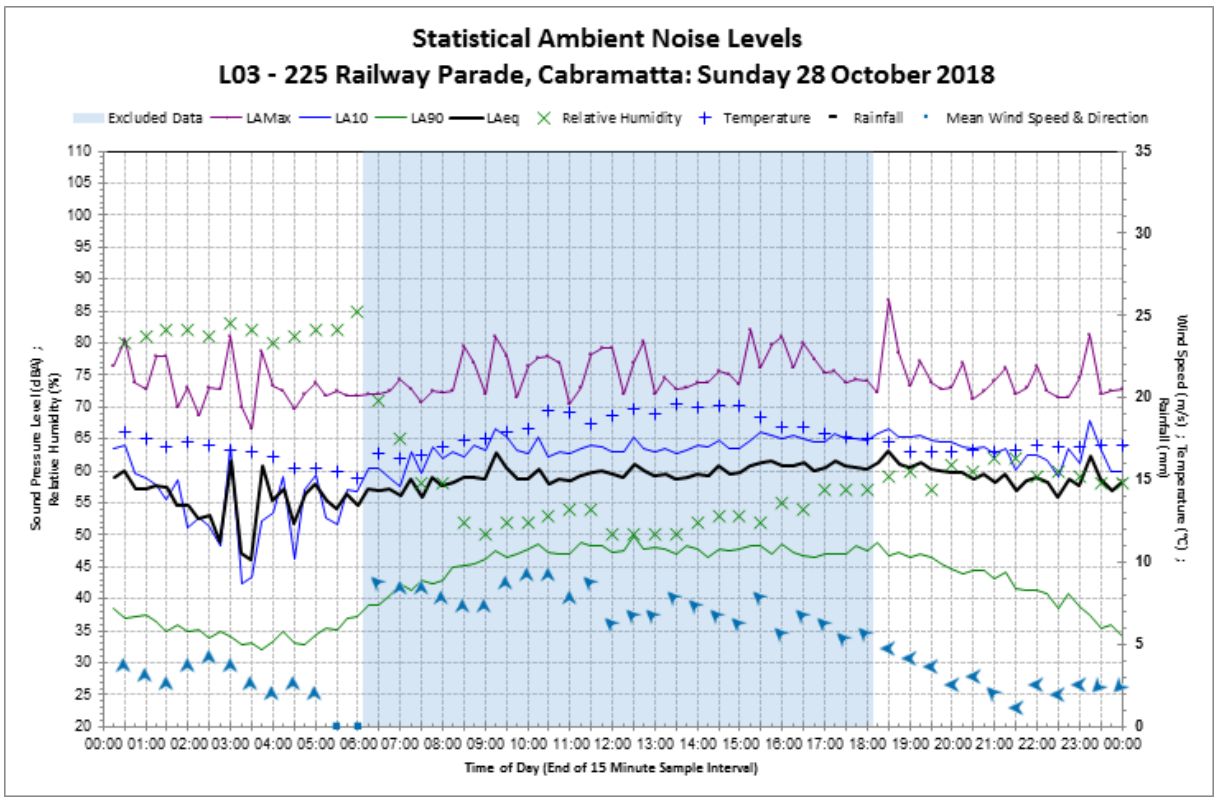

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

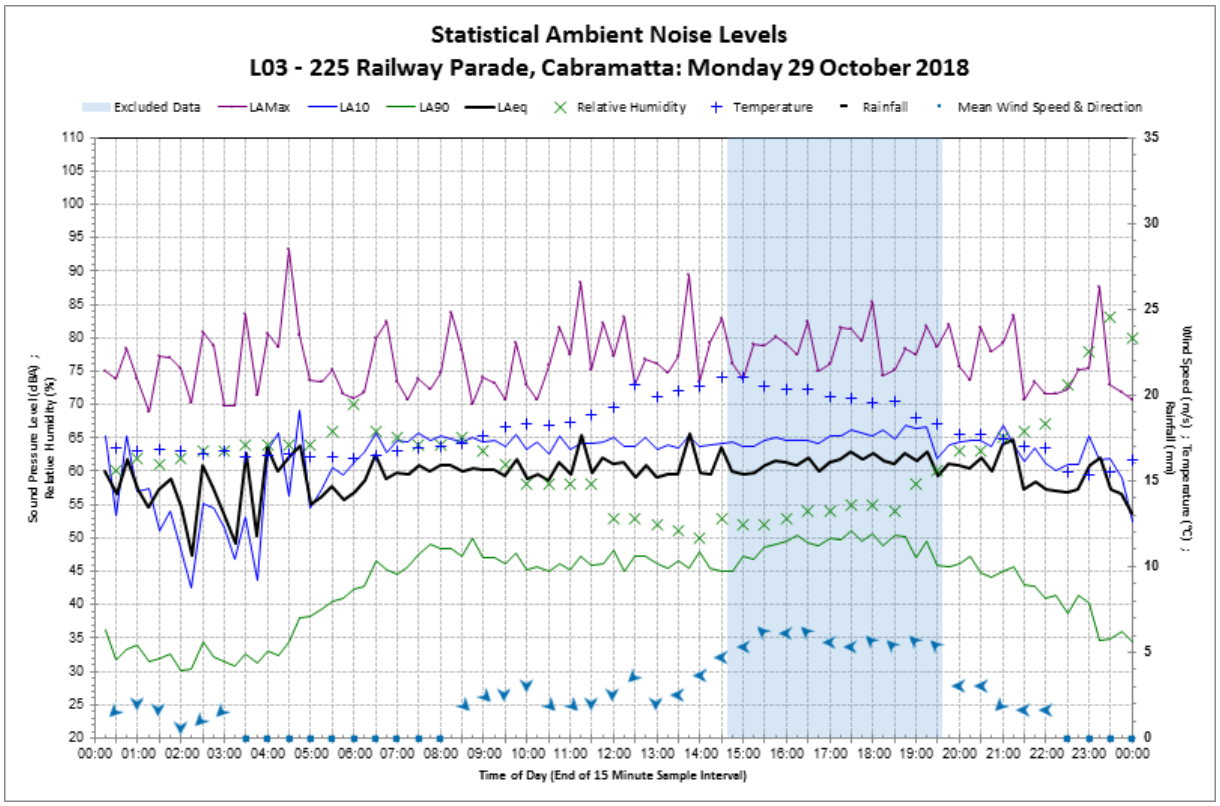

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

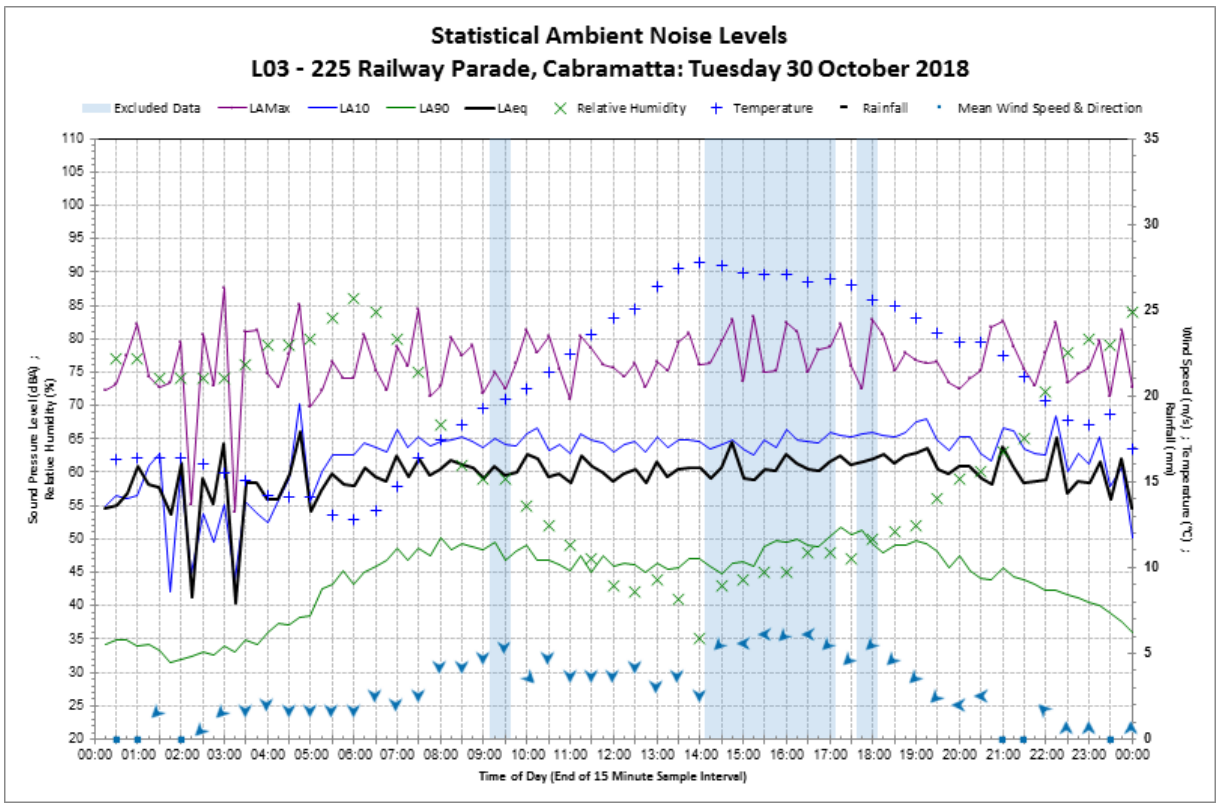

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

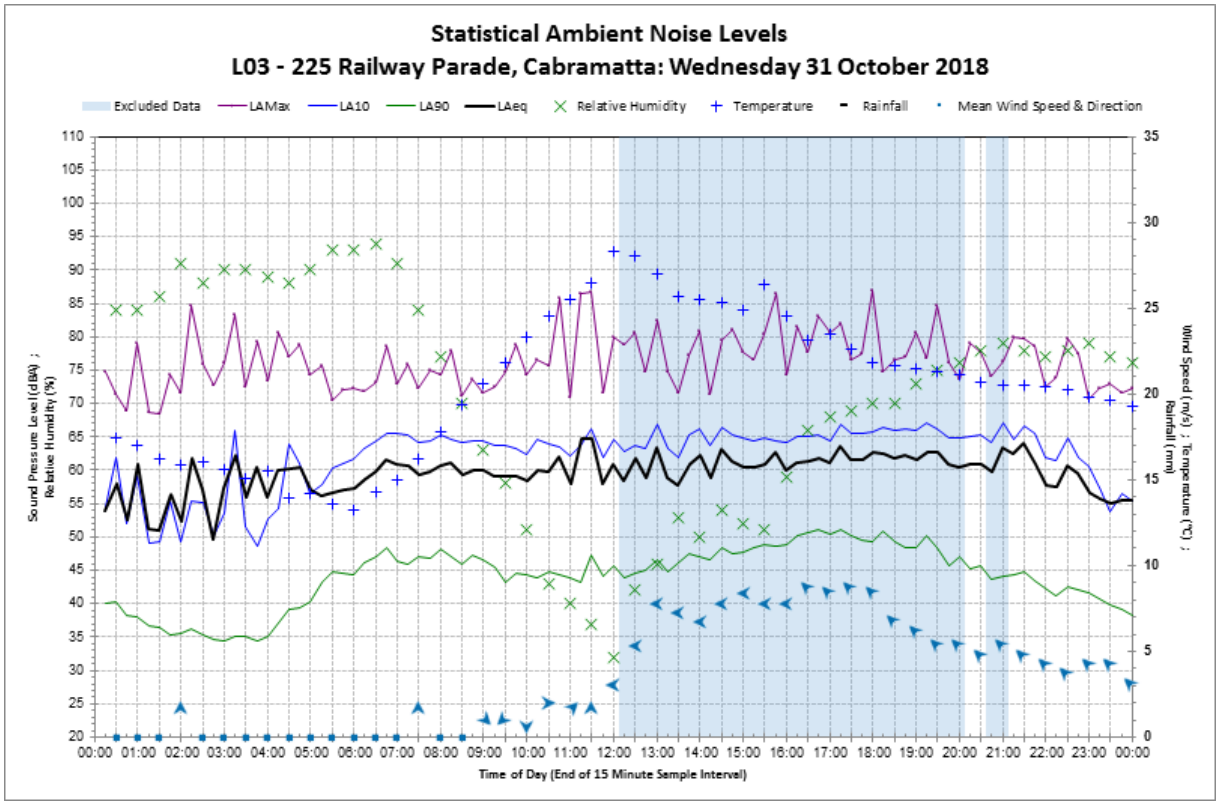

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

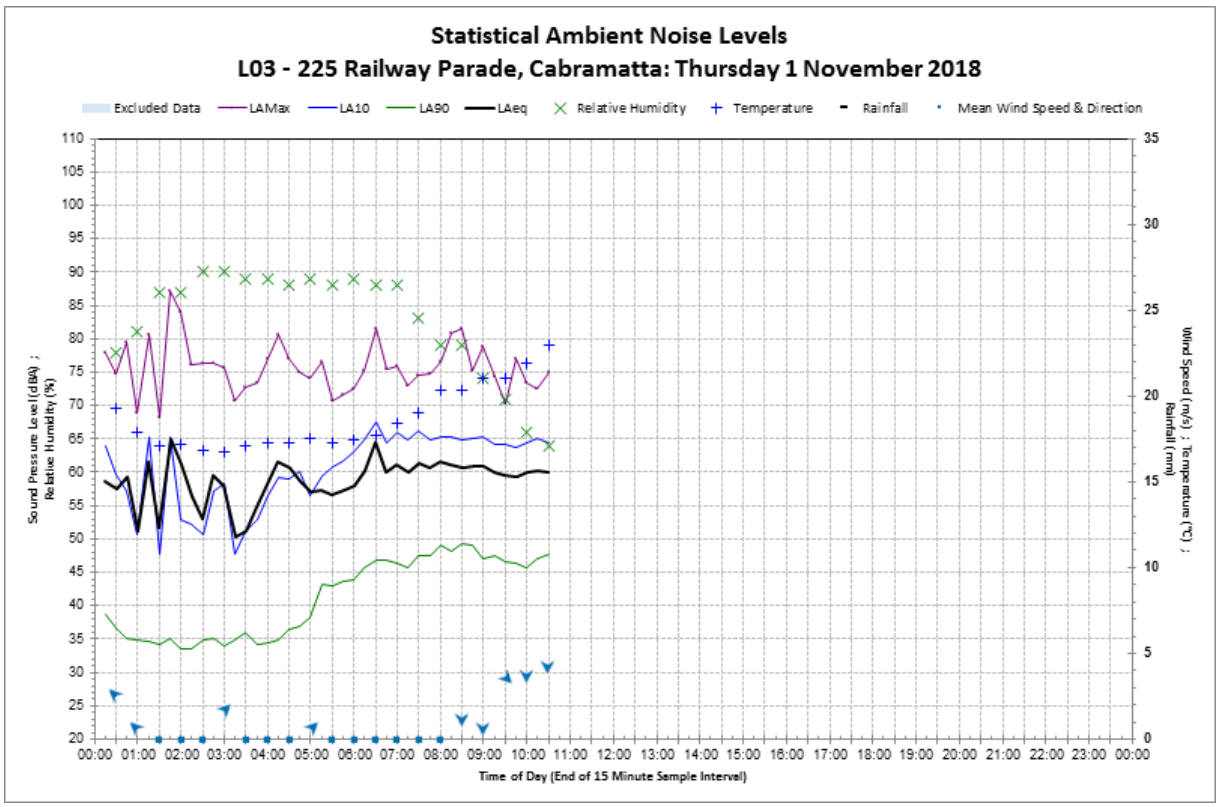

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

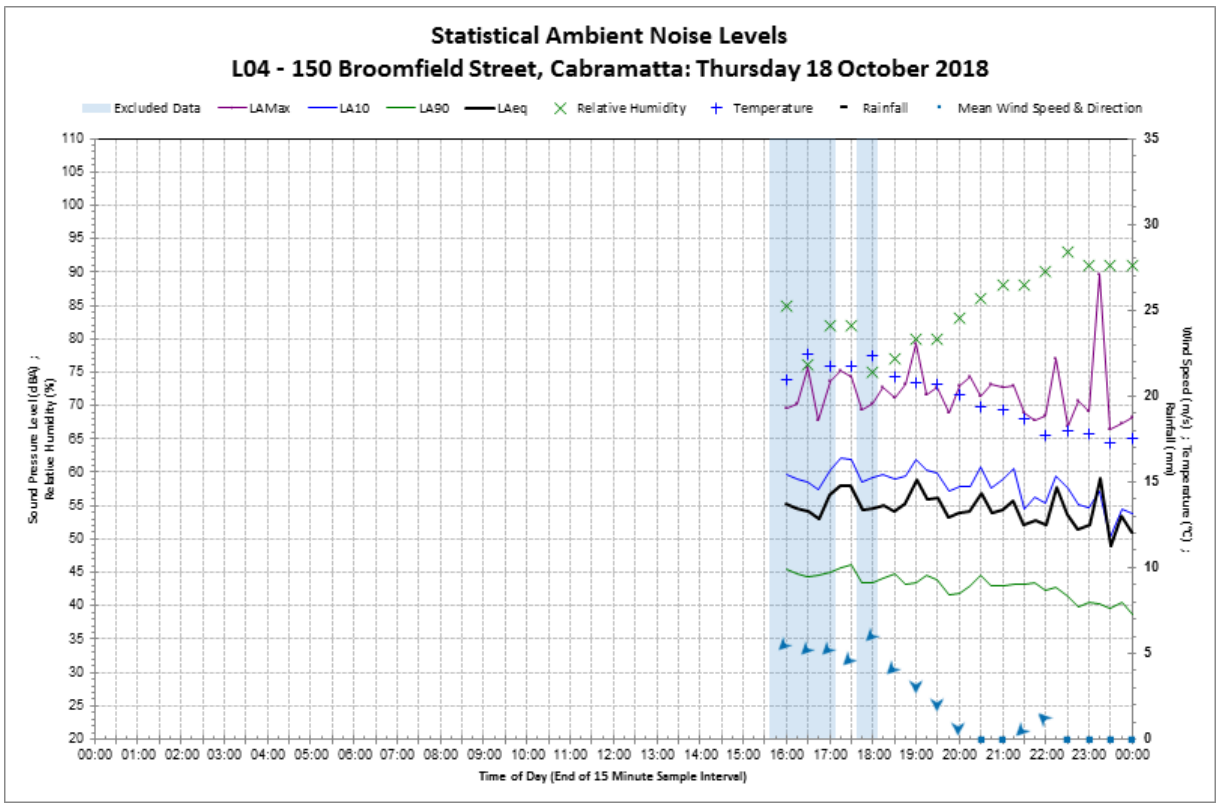

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

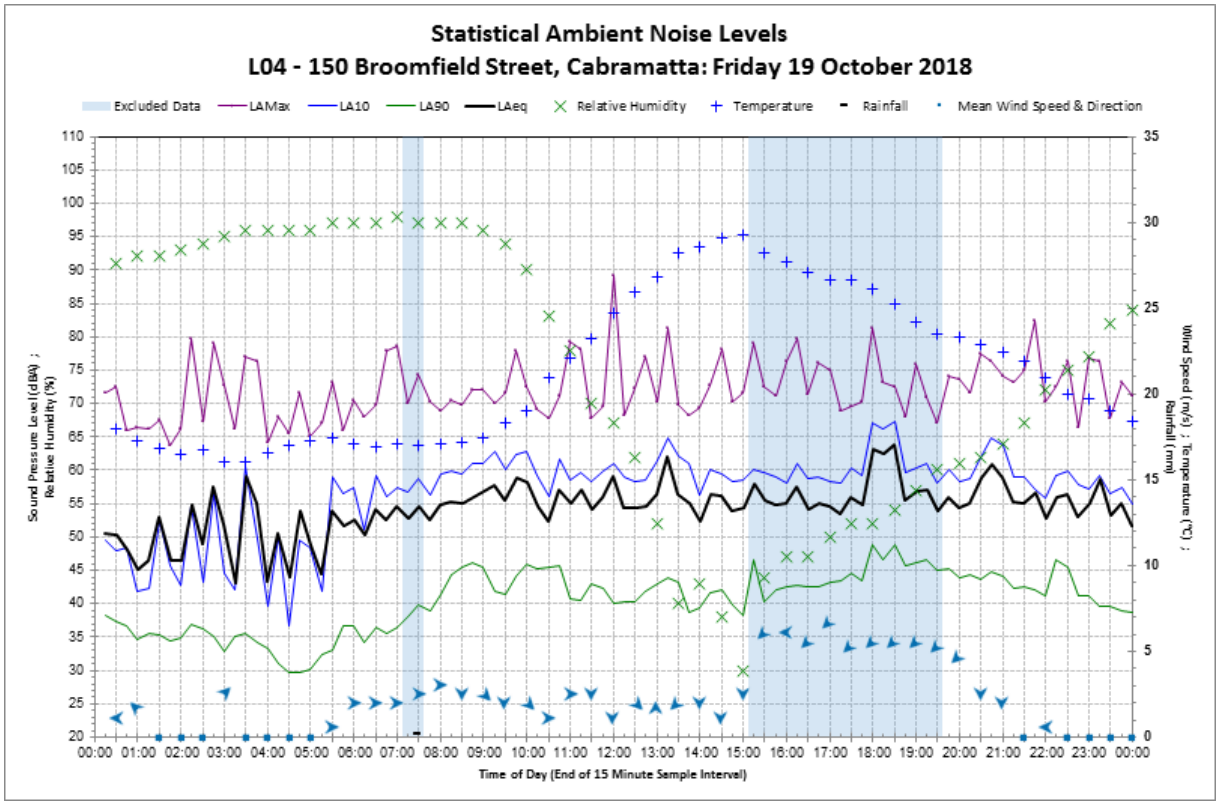

Statistical Ambient Noise Levels
L03 - 225 Railway Parade, Cabramatta: Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

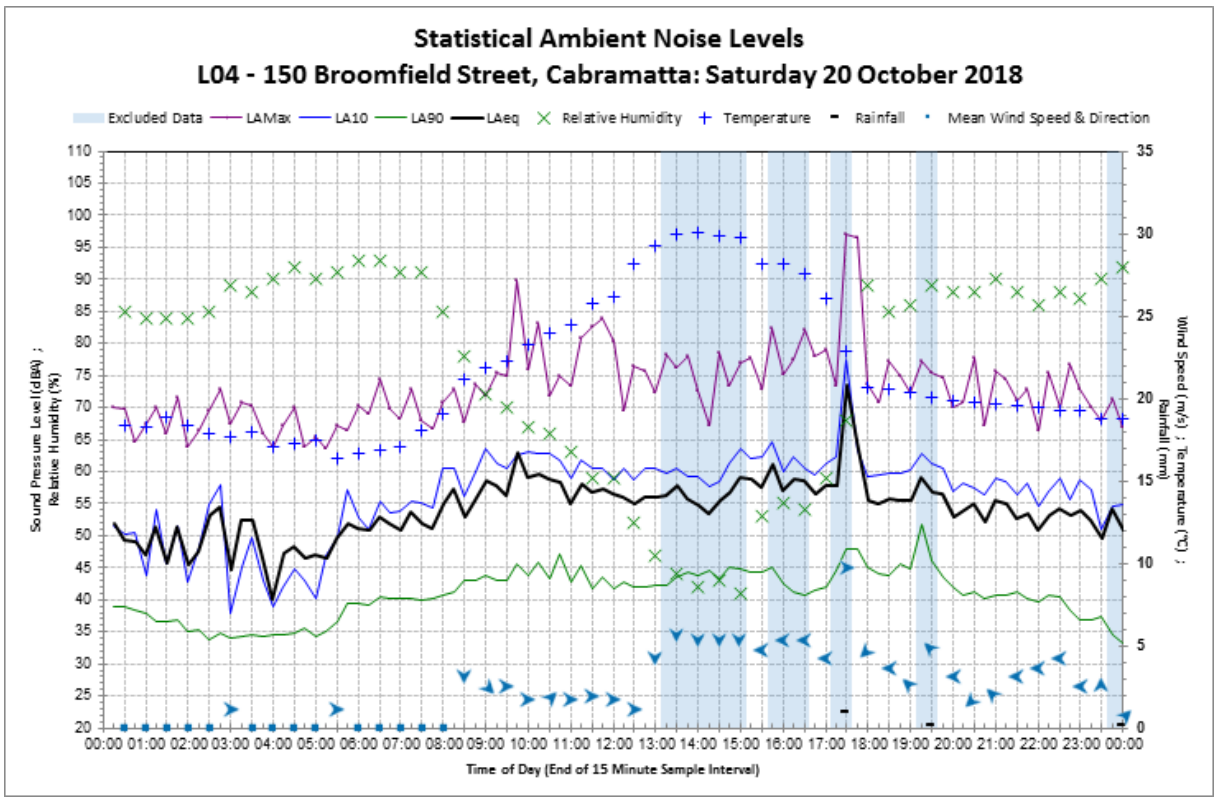
L04–150 Broomfield Street, Cabramatta

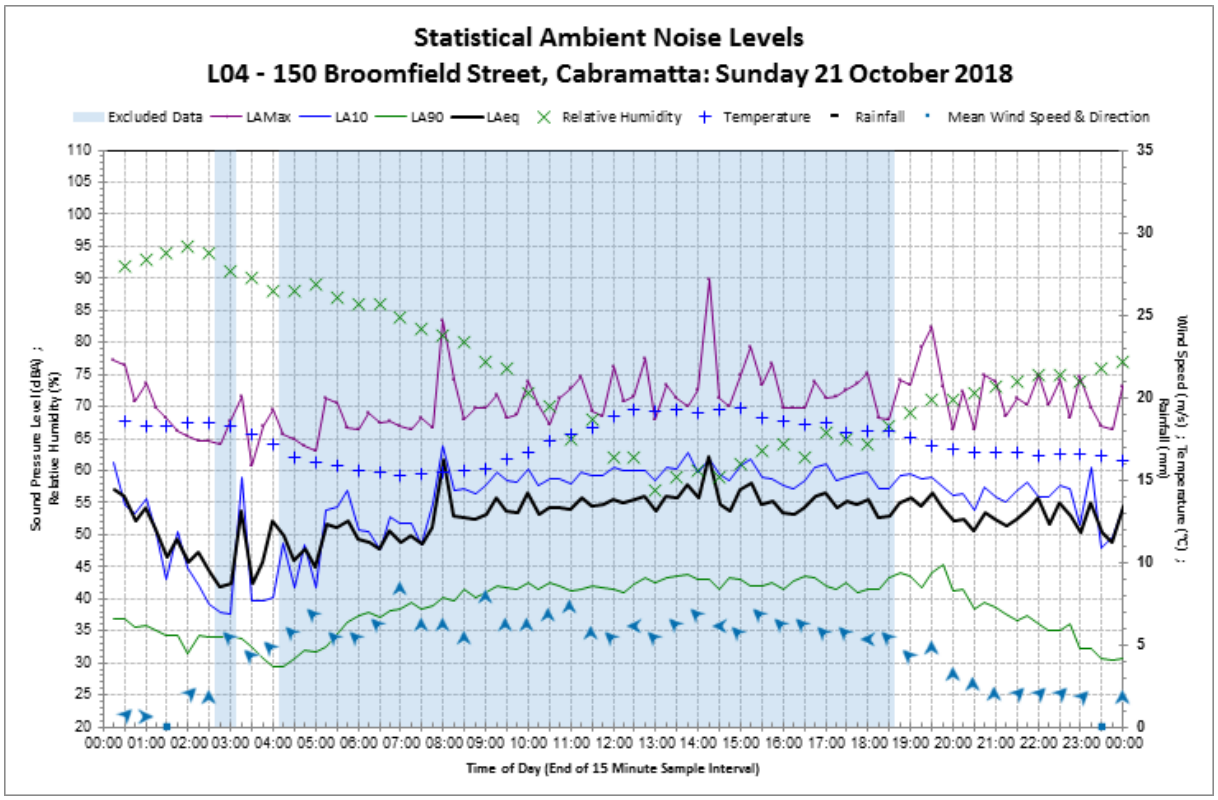
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
18/10/2018	-	42	31	-	55	53	55	53
19/10/2018	39	41	34	56	57	52	56	52
20/10/2018	40	40	31	58	55	52	57	52
21/10/2018	-	37	28	-	54	53	54	53
22/10/2018	39	39	32	57	55	52	56	52
23/10/2018	38	41	35	55	59	53	57	53
24/10/2018	-	36	29	-	53	53	53	53
25/10/2018	39	38	33	56	-	53	-	53
26/10/2018	41	38	29	55	55	52	55	52
27/10/2018	38	41	31	55	55	50	55	50
28/10/2018	-	35	27	-	55	53	55	53
29/10/2018	37	37	30	56	54	53	55	53
30/10/2018	39	40	35	56	61	53	58	53
31/10/2018	37	38	31	56	58	53	56	53
01/11/2018	41			58			58	-
RBL / Log Average and LAeq	**39**	**38**	**31**	**56**	**56**	**52**	**56**	**52**

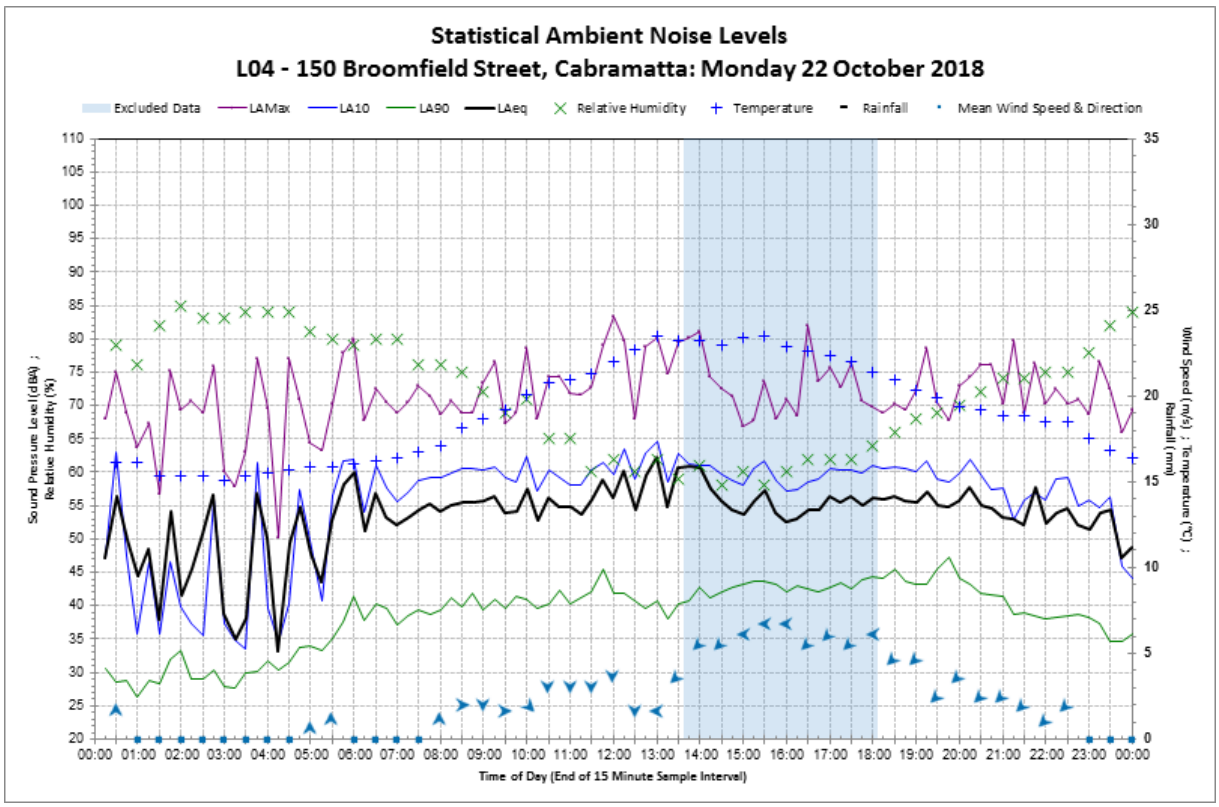
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

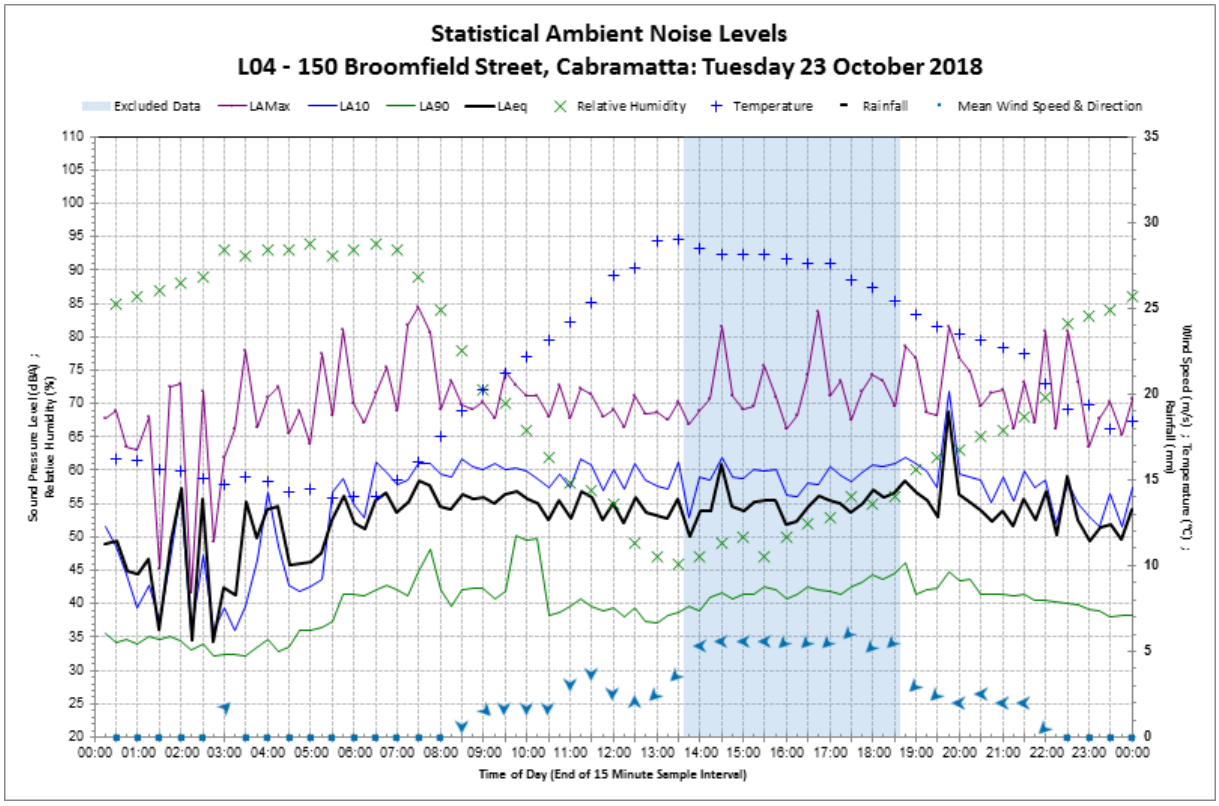

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

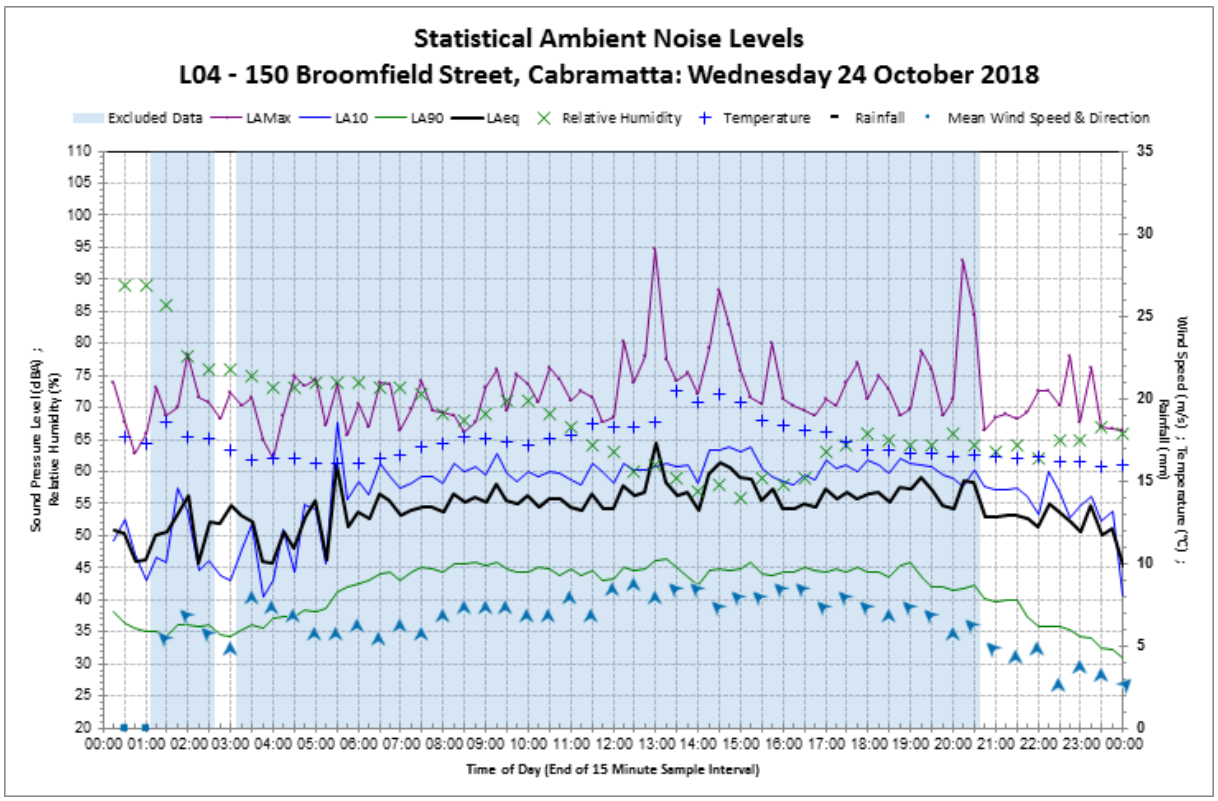

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

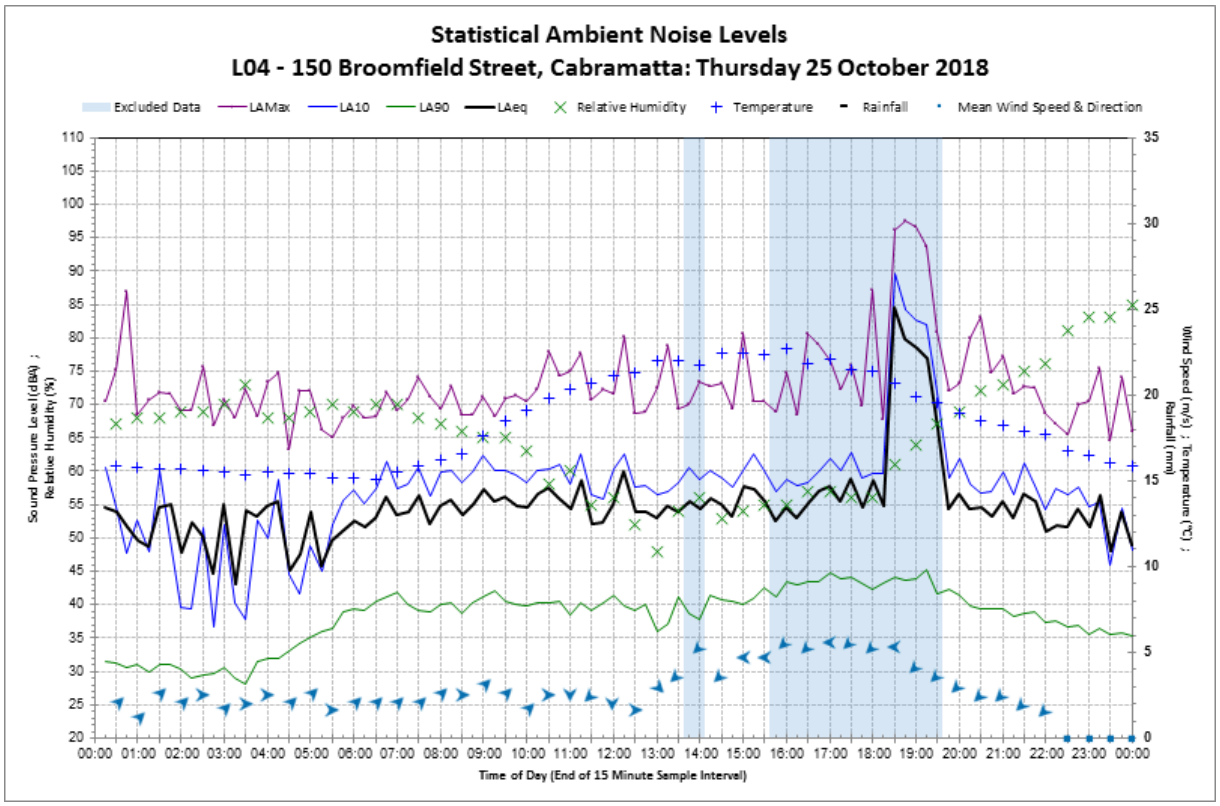

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

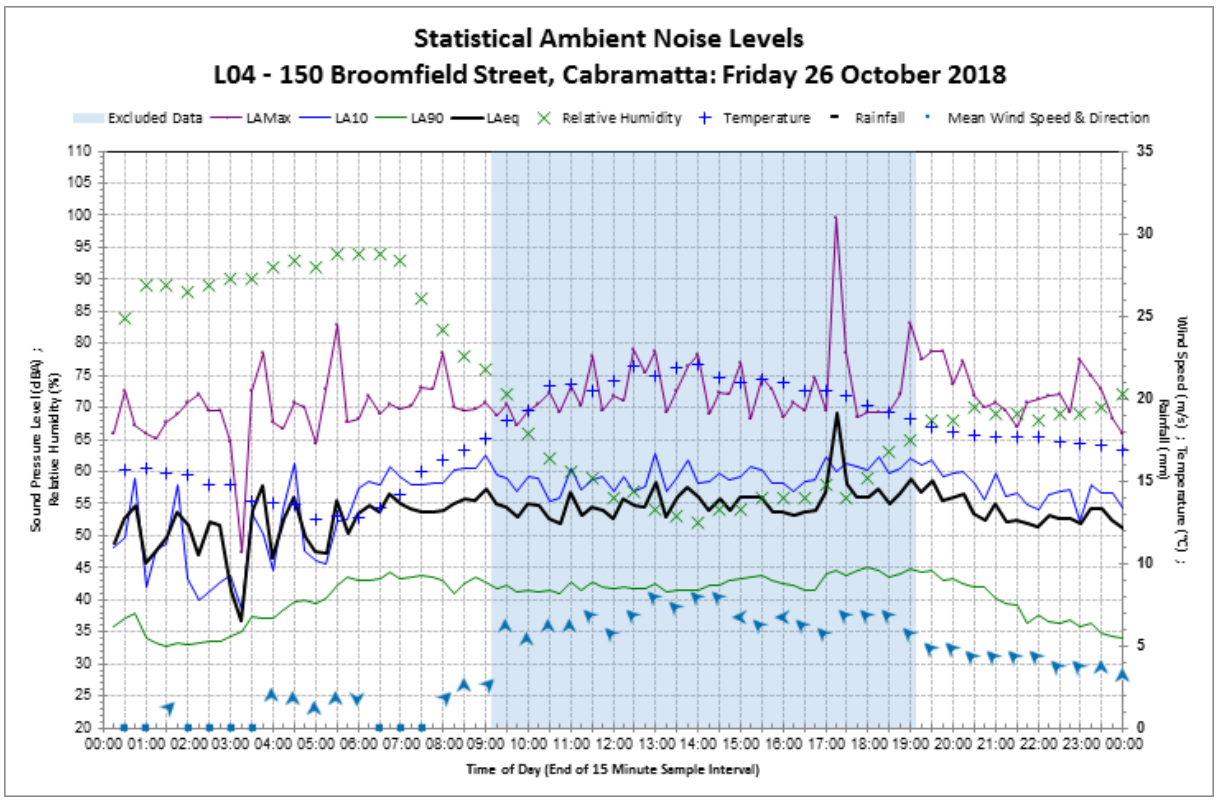

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

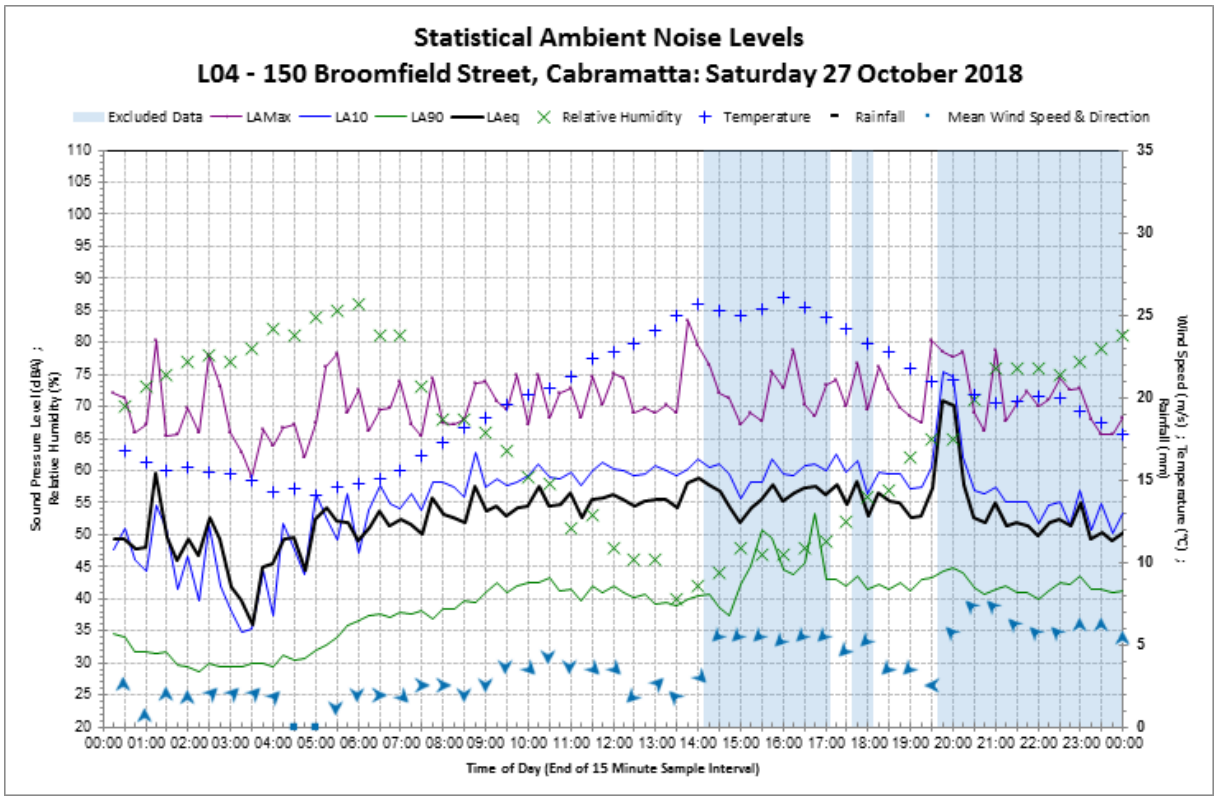

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

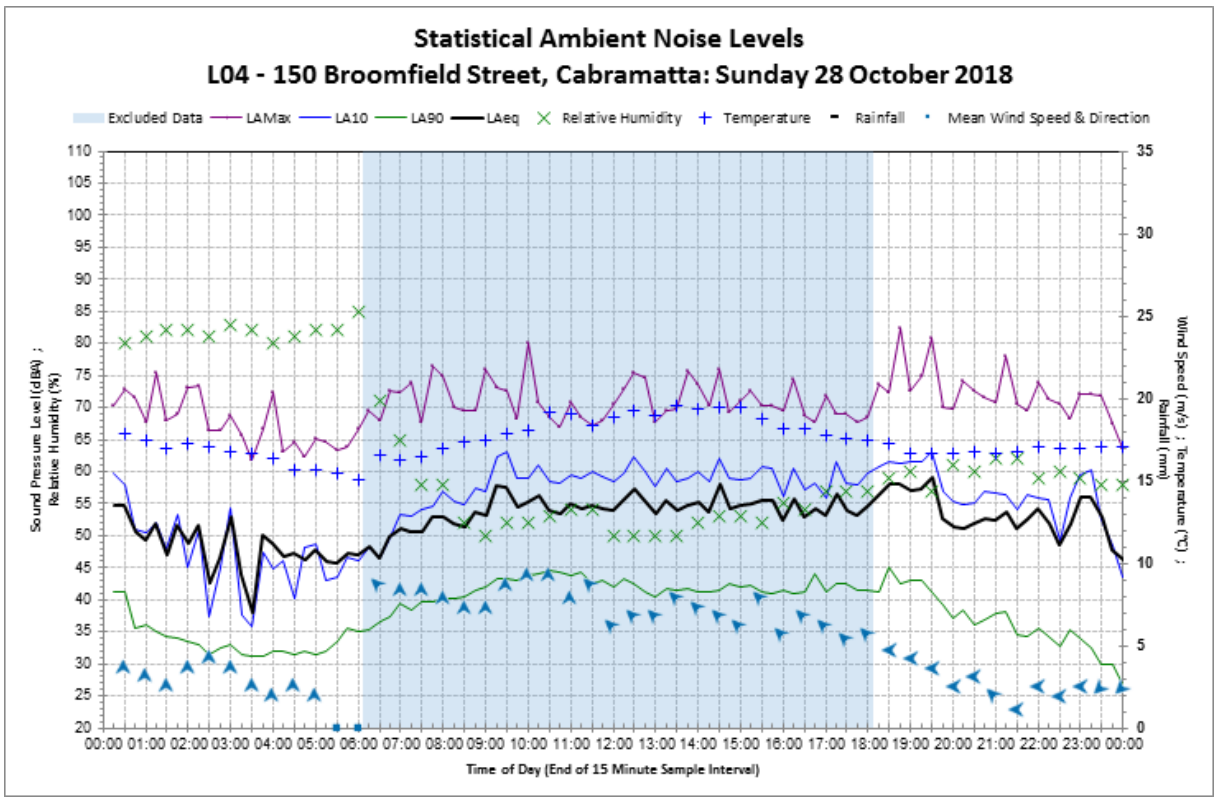

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

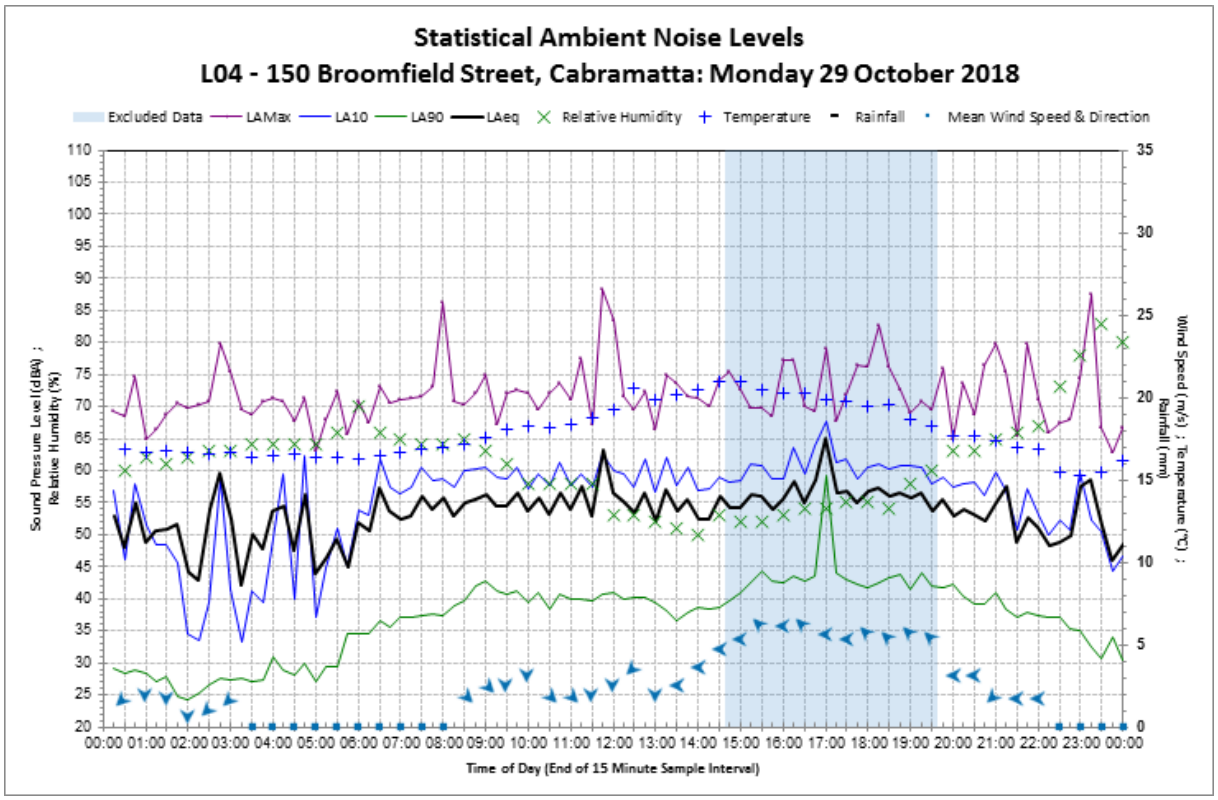

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

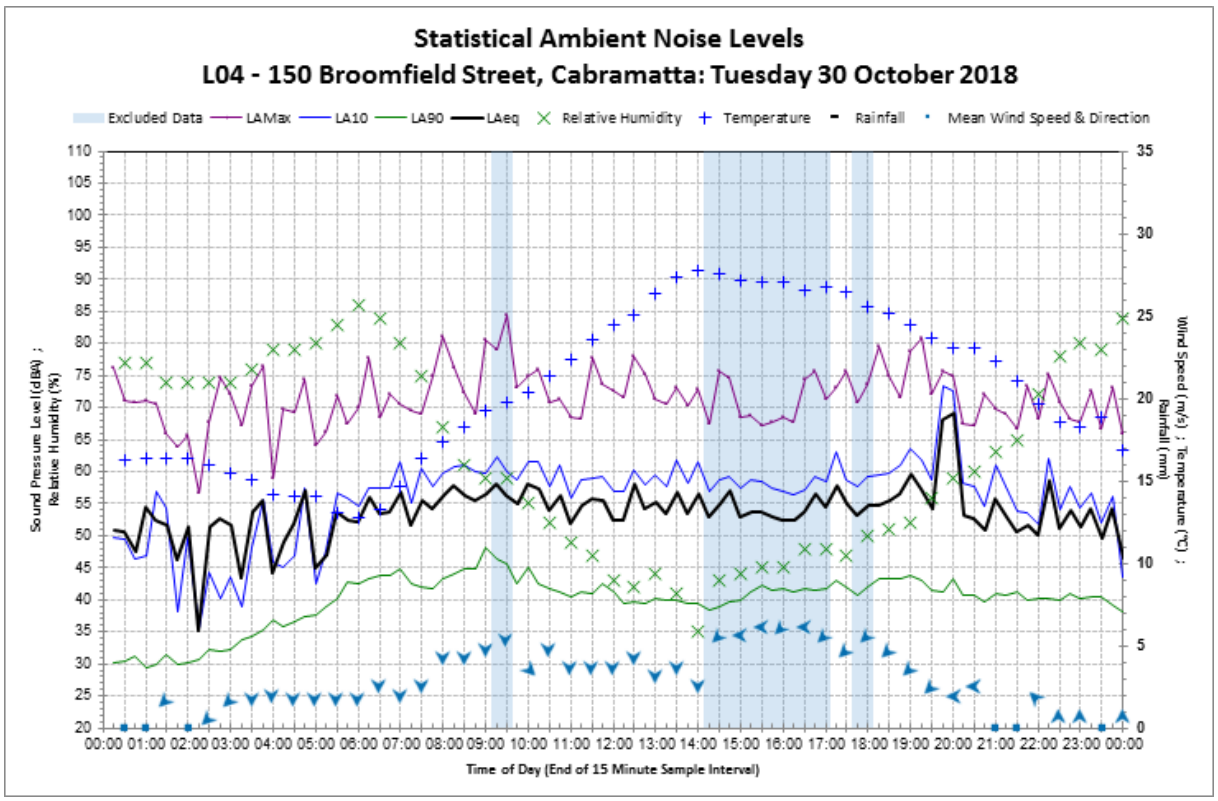

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

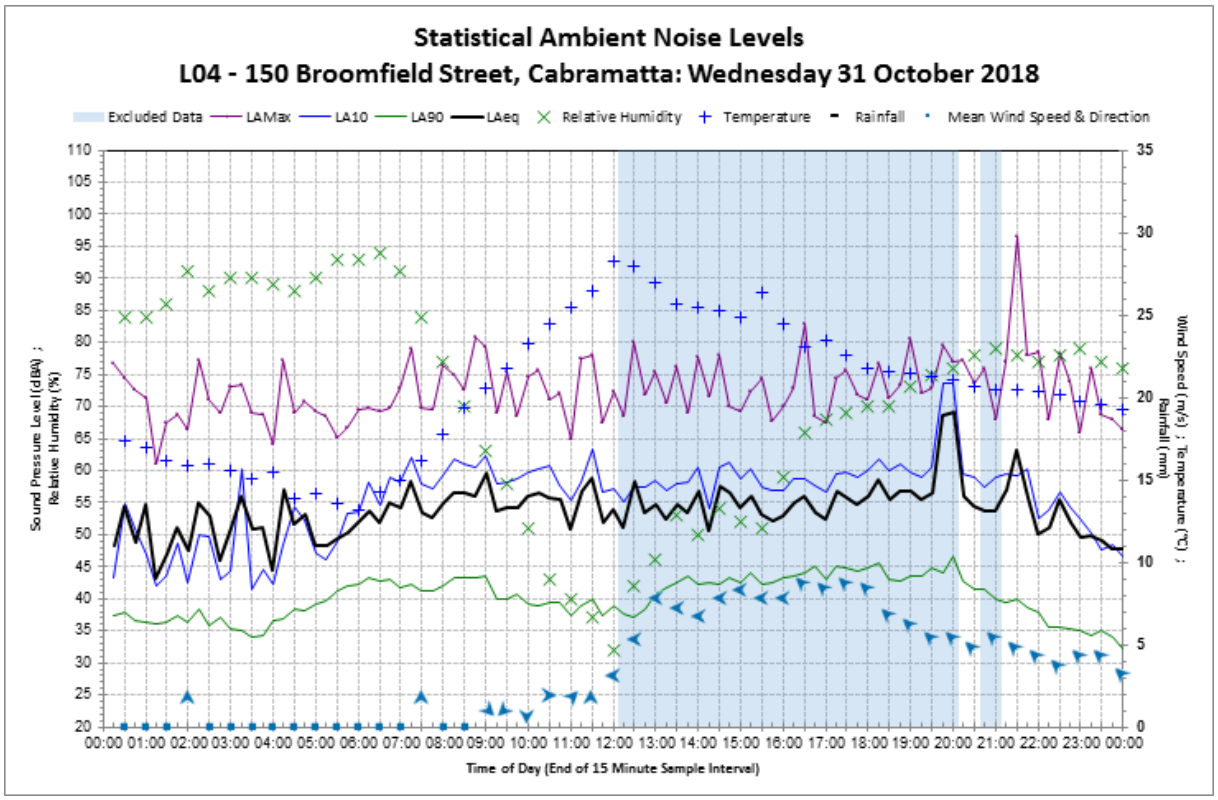

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

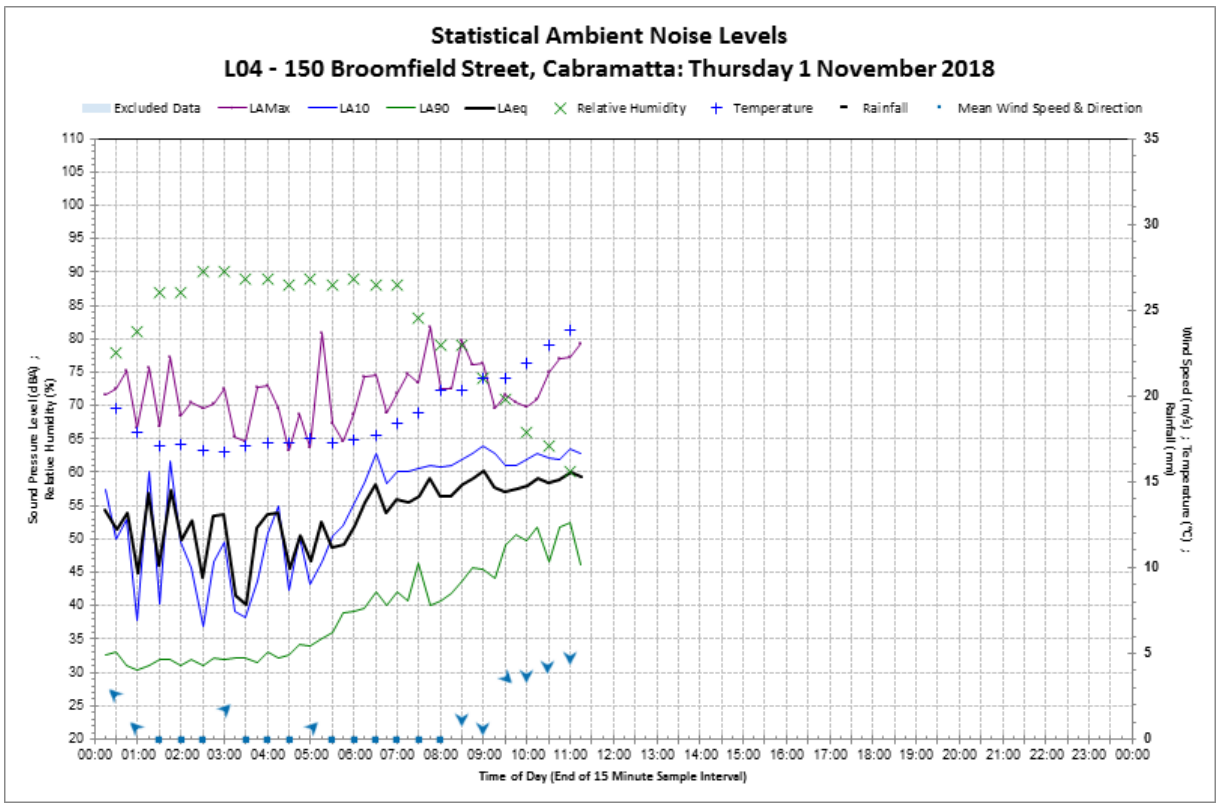

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

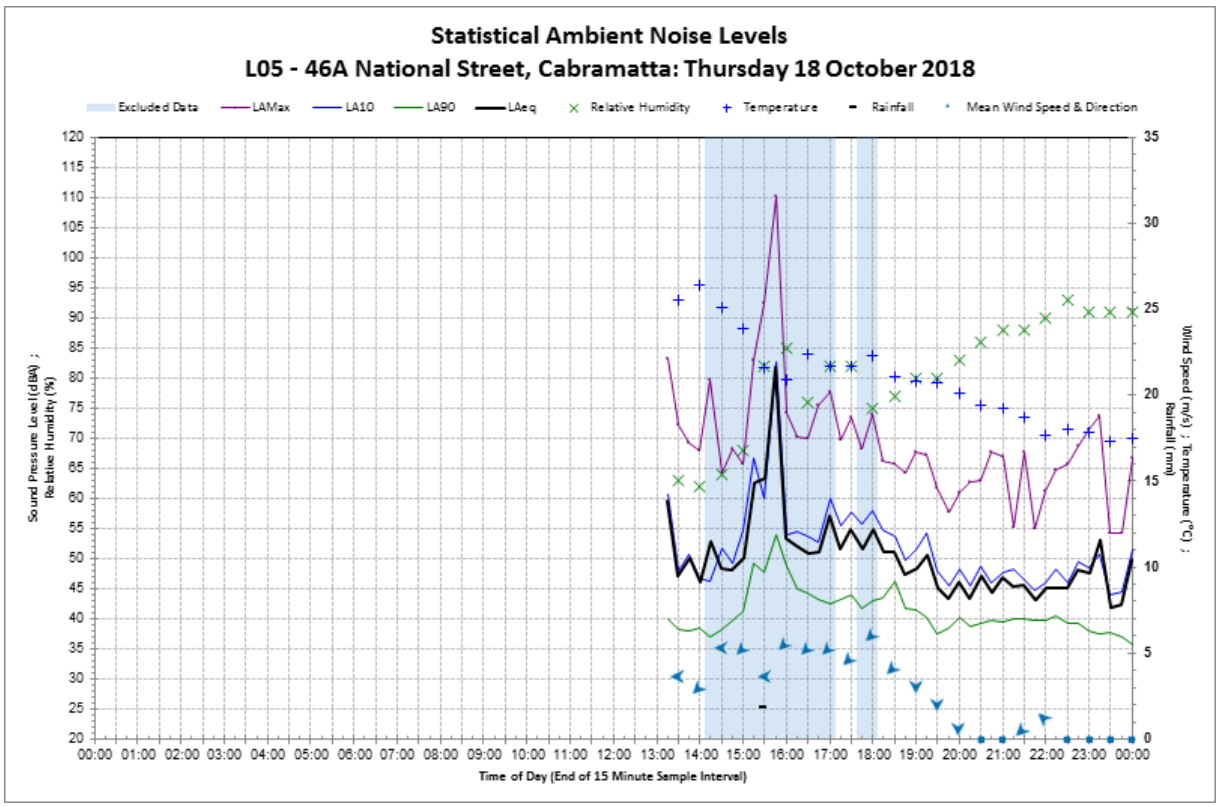

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

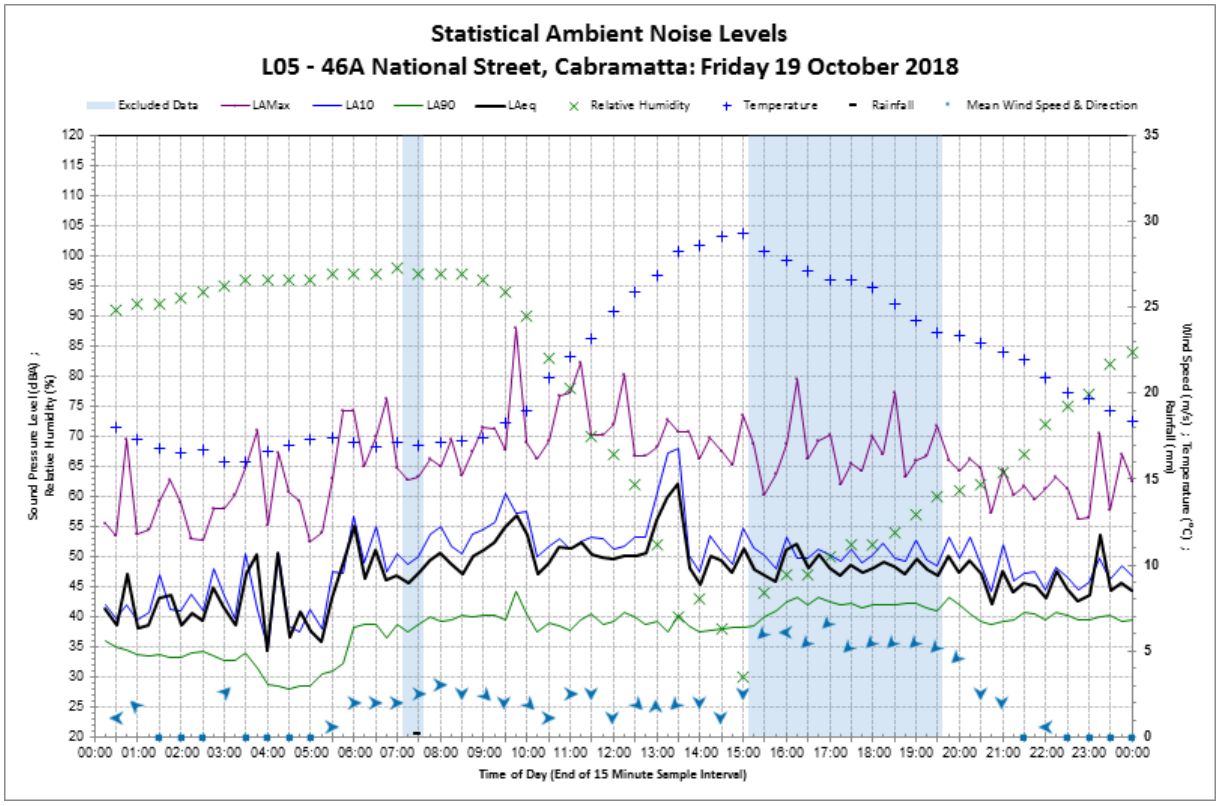

Statistical Ambient Noise Levels
L04 - 150 Broomfield Street, Cabramatta: Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

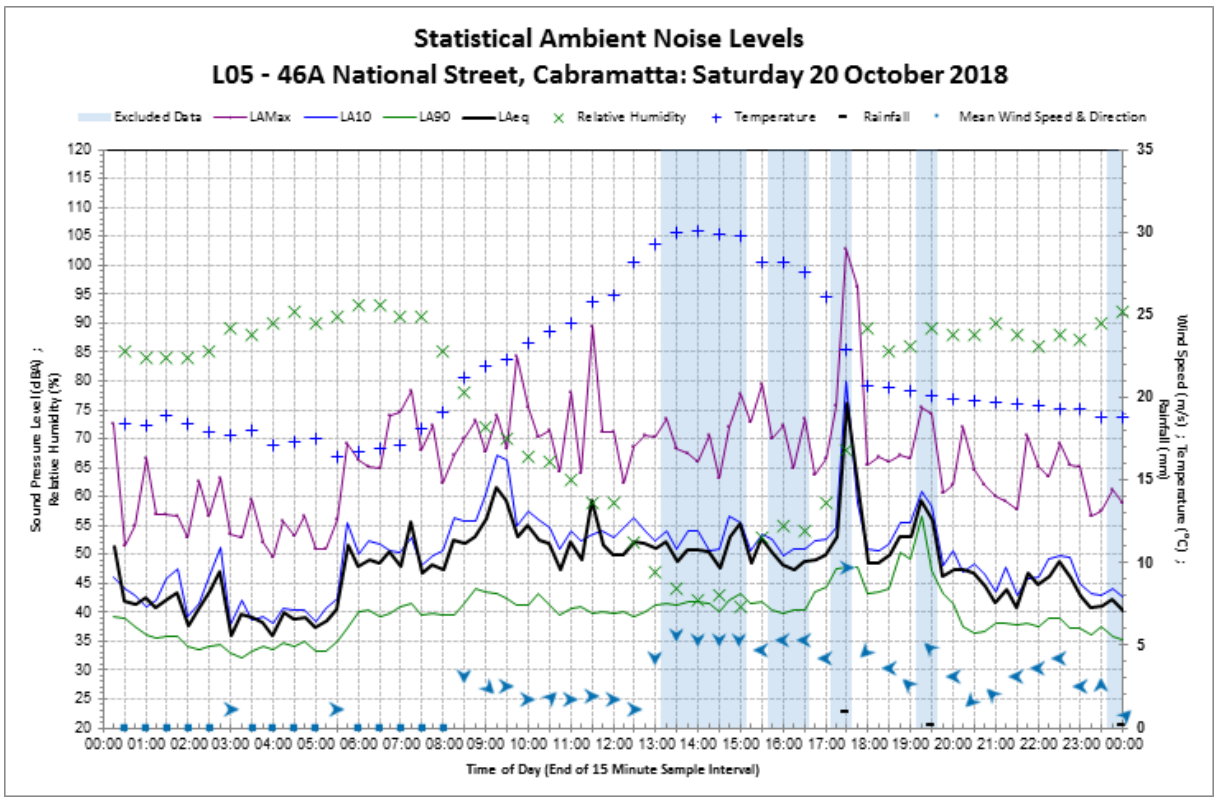
L05 – 46A National Street, Cabramatta

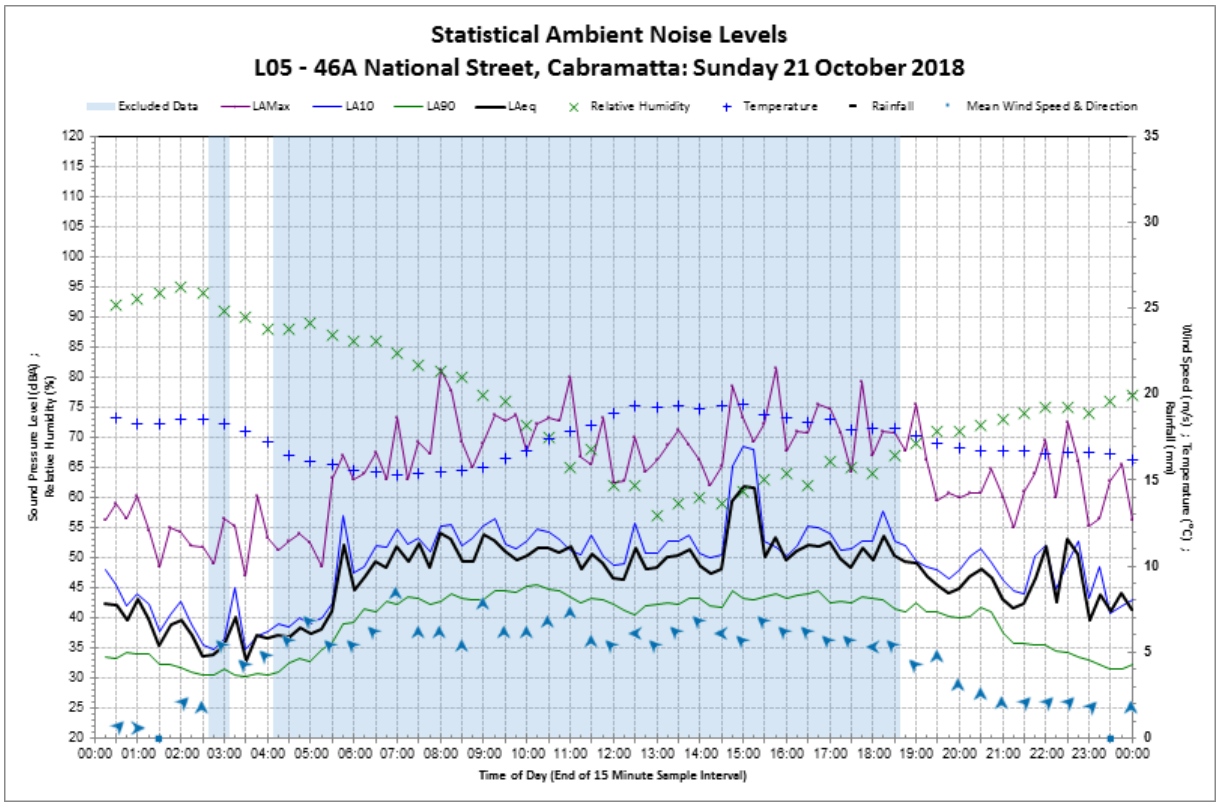
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
18/10/2018	38	39	29	54	47	47	50	47
19/10/2018	38	39	33	53	47	46	52	46
20/10/2018	40	37	30	55	48	42	54	42
21/10/2018	-	36	30	-	47	47	47	47
22/10/2018	38	34	32	54	46	46	52	46
23/10/2018	37	39	35	52	47	44	51	44
24/10/2018	-	38	28	-	45	46	45	46
25/10/2018	38	35	33	52	49	48	52	48
26/10/2018	42	38	31	50	48	44	49	44
27/10/2018	37	38	31	53	50	42	52	42
28/10/2018	-	34	24	-	48	45	48	45
29/10/2018	37	35	27	-	45	47	-	47
30/10/2018	37	39	35	53	50	47	52	47
31/10/2018	37	37	32	50	45	47	49	47
01/11/2018	38			54			54	-
RBL / Log Average and LAeq	**38**	**37**	**31**	**53**	**48**	**46**	**51**	**46**

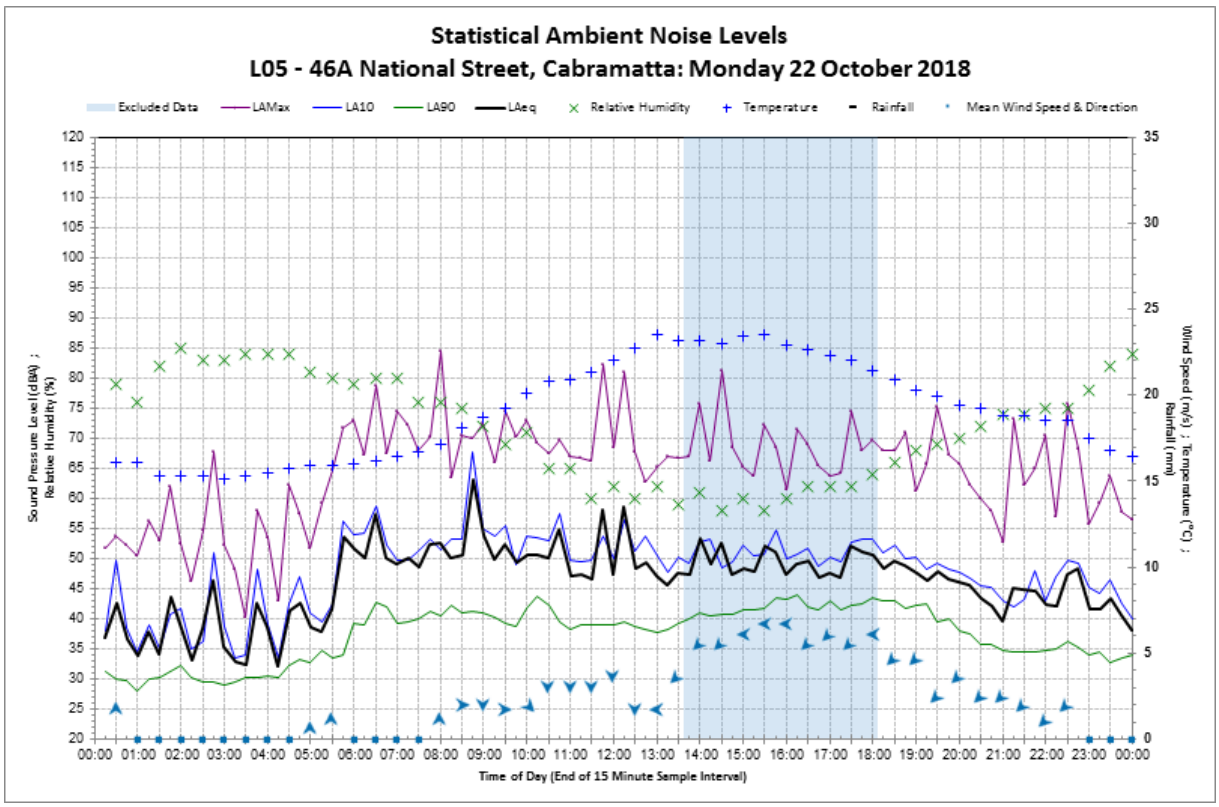
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

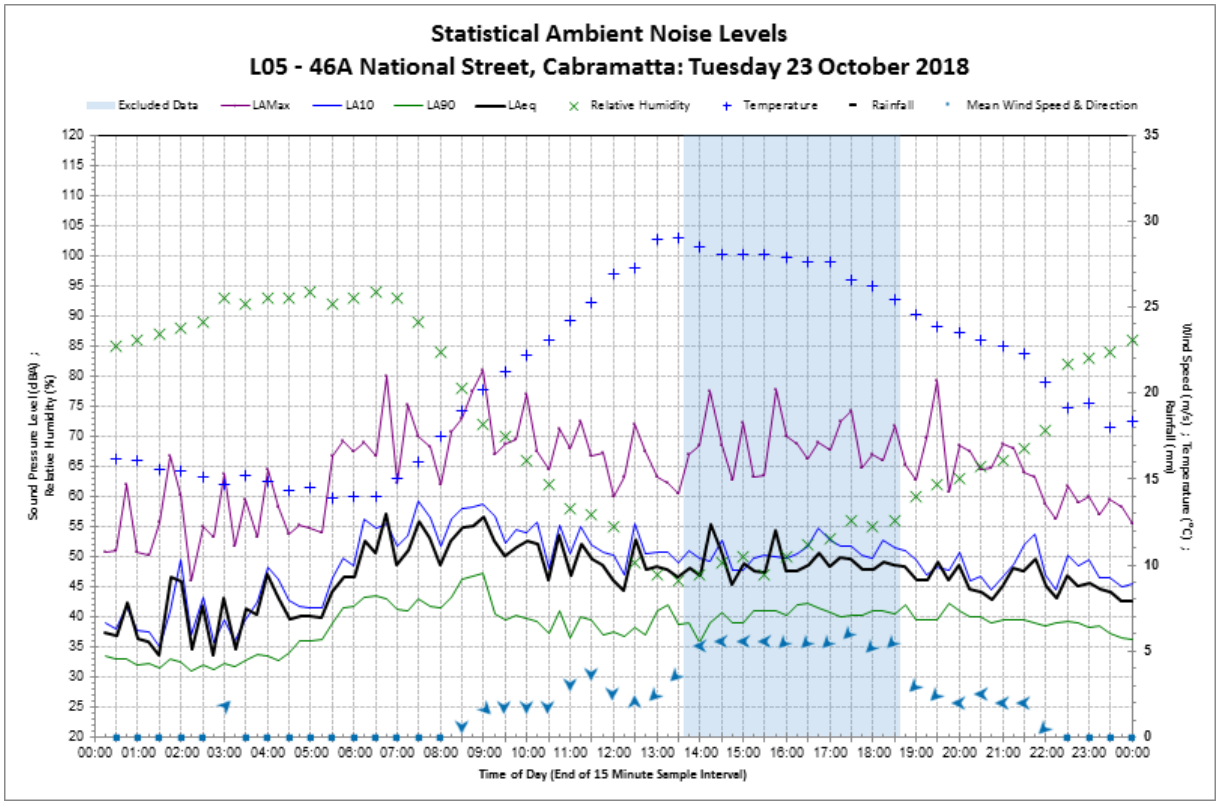

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

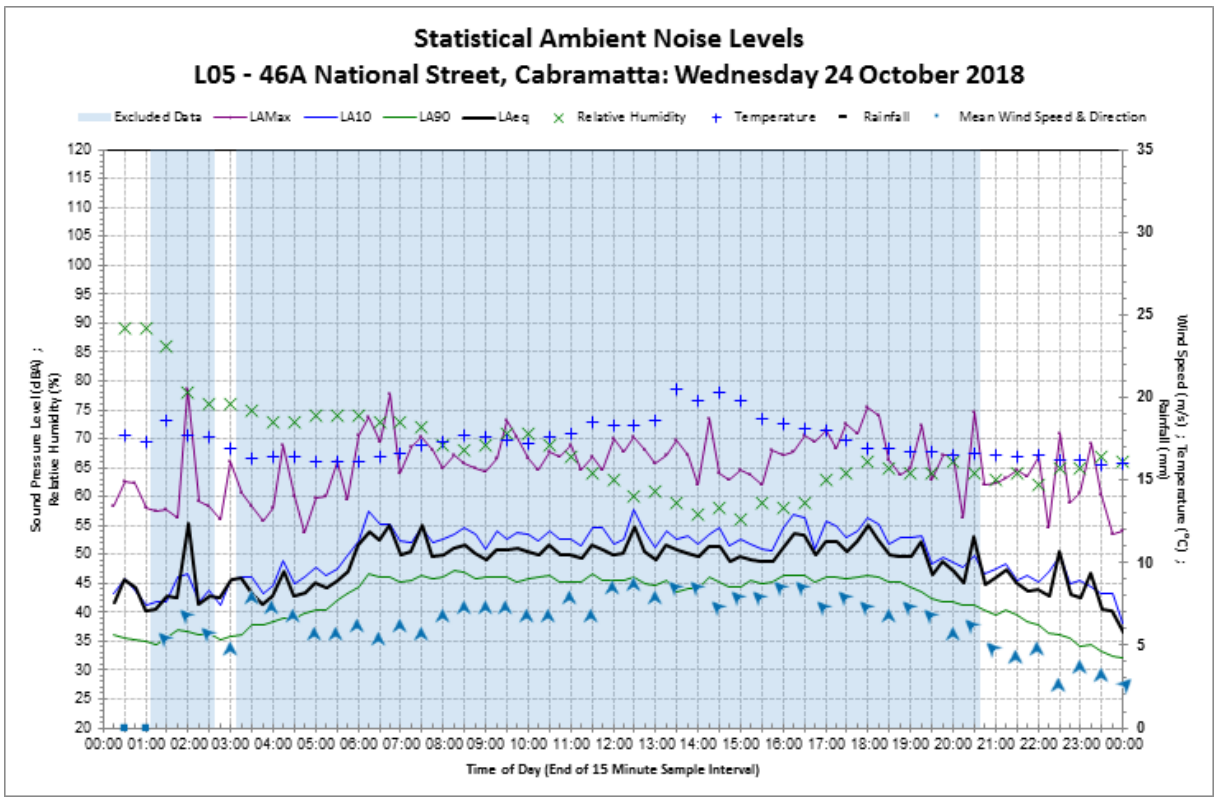

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

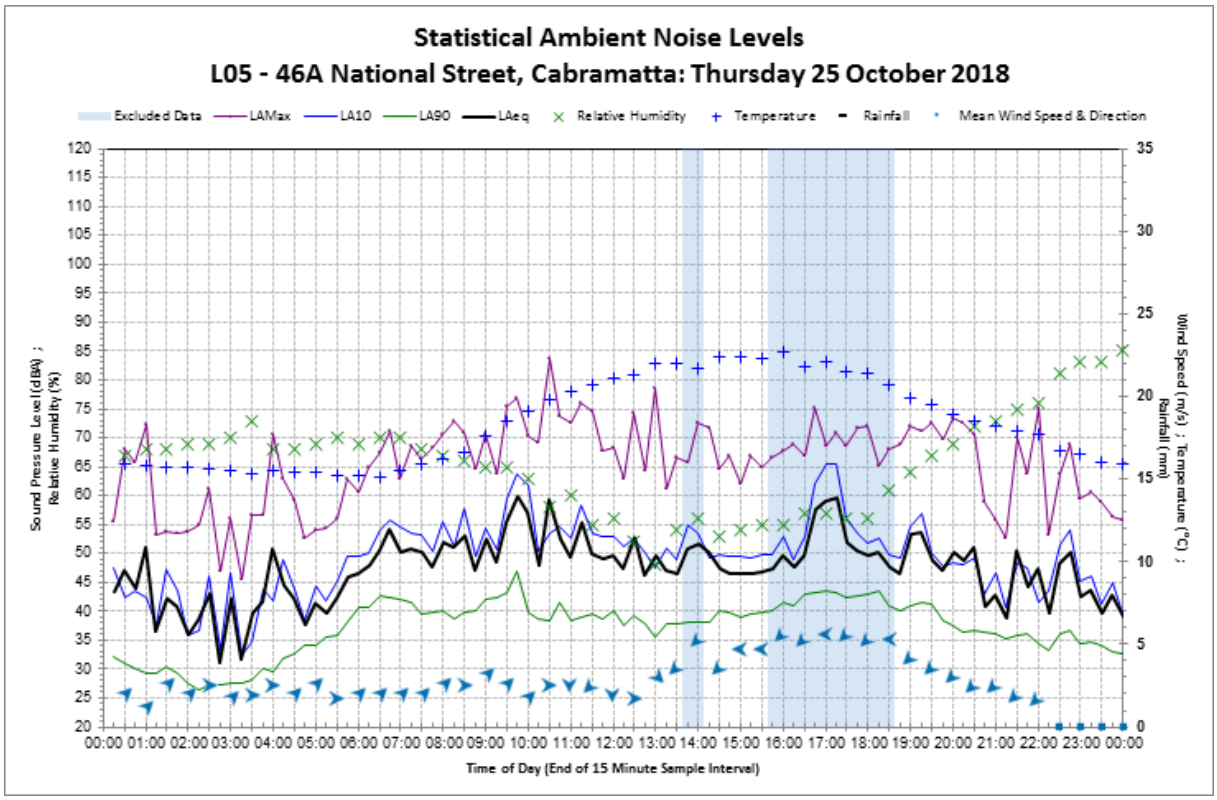

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

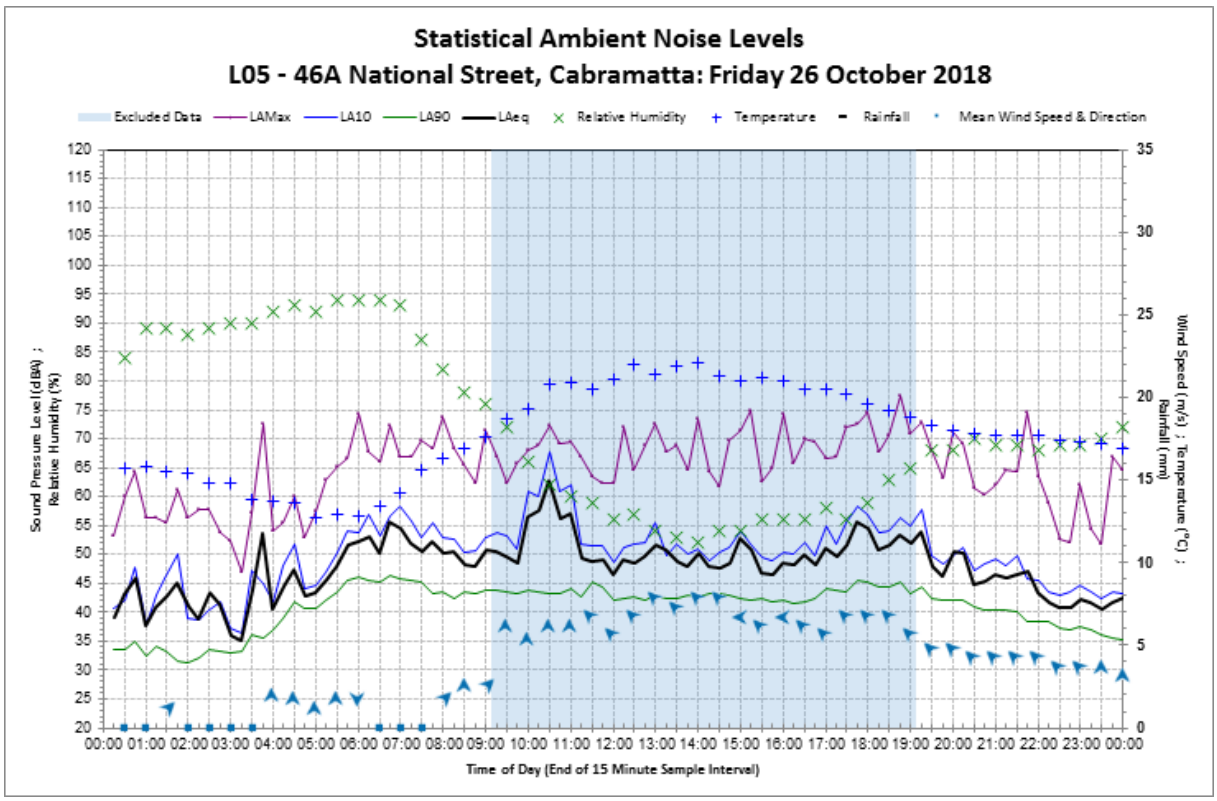

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

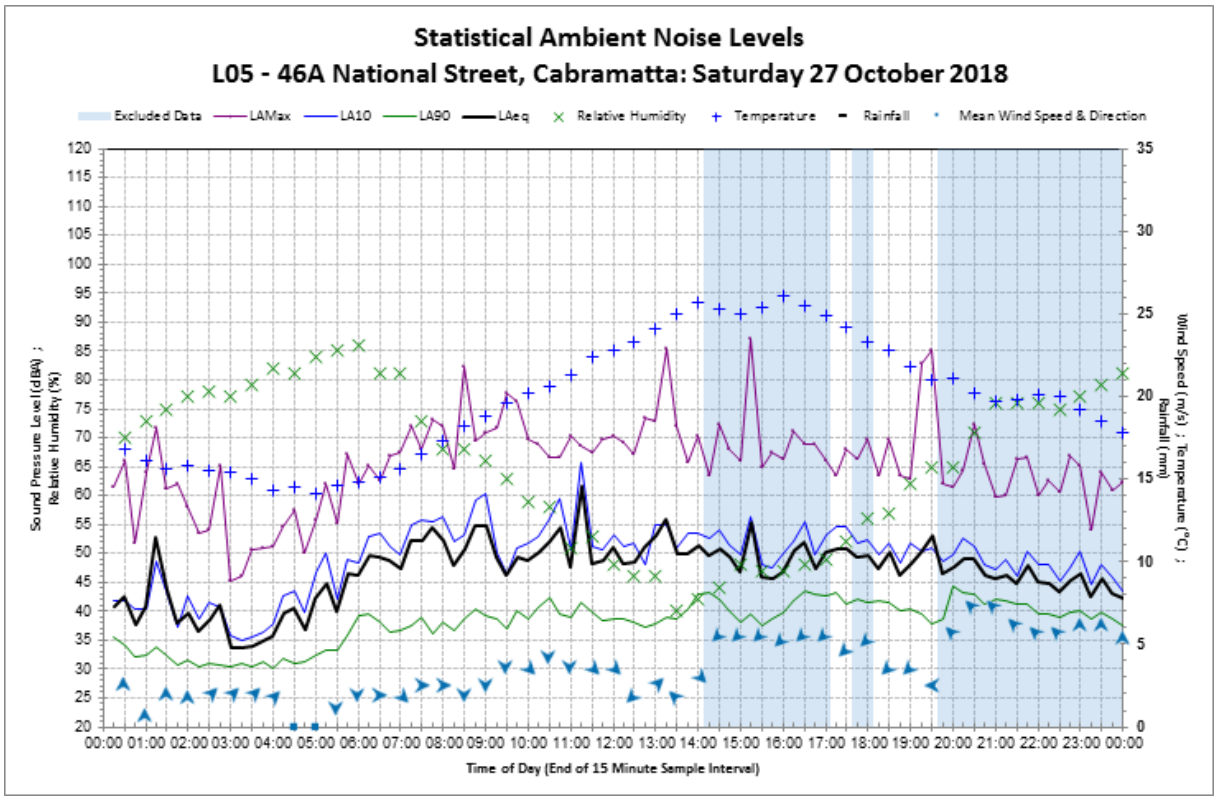

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

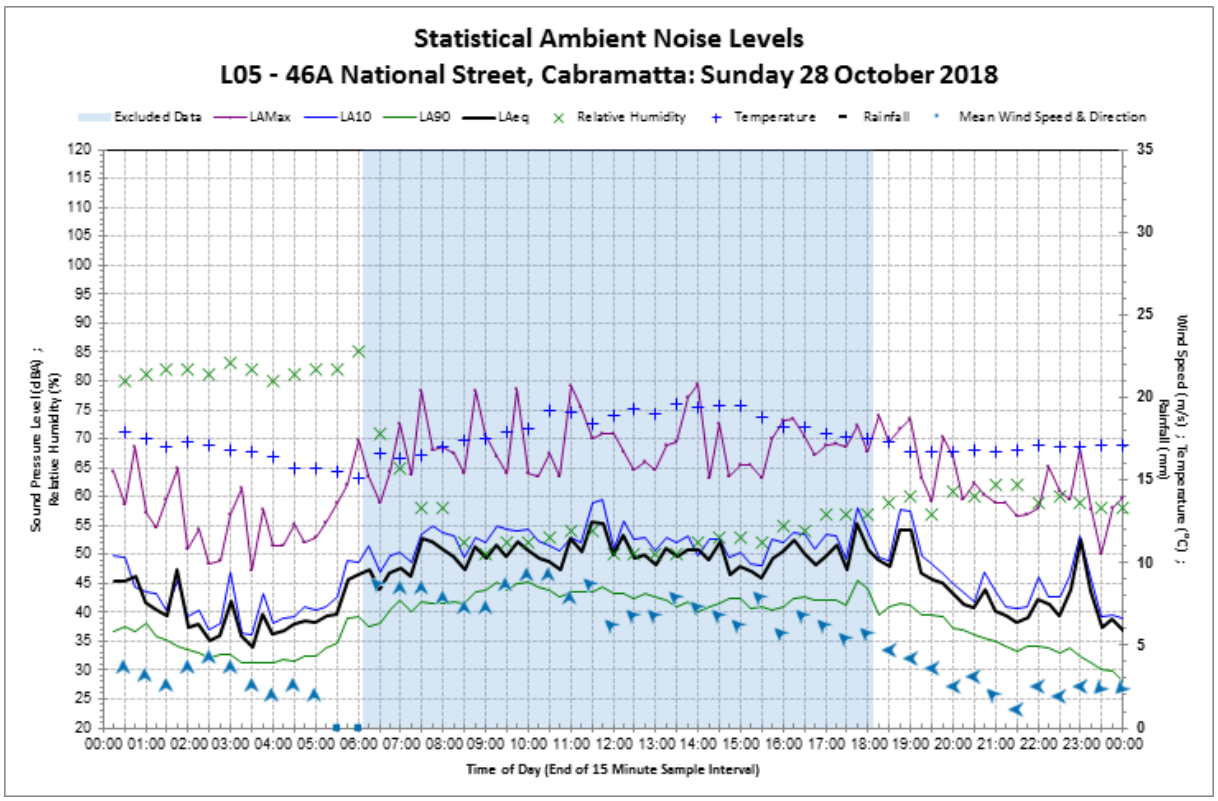

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

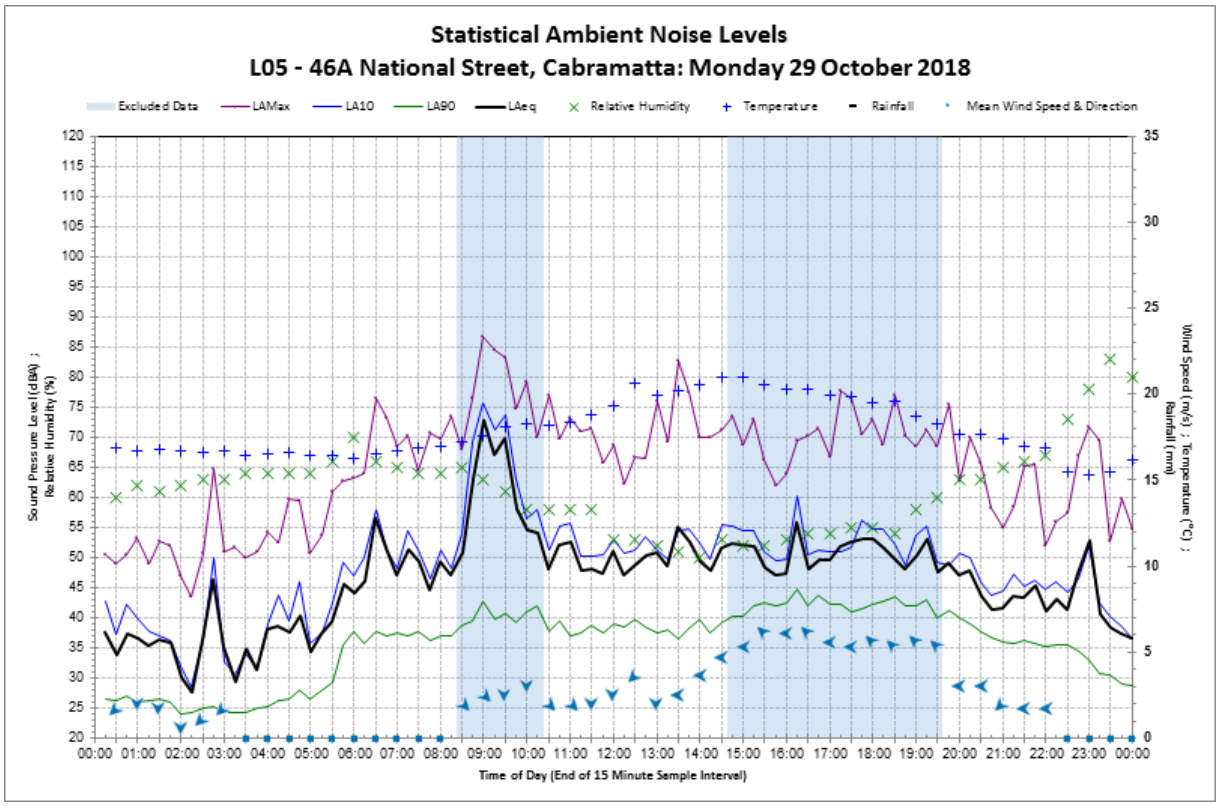

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

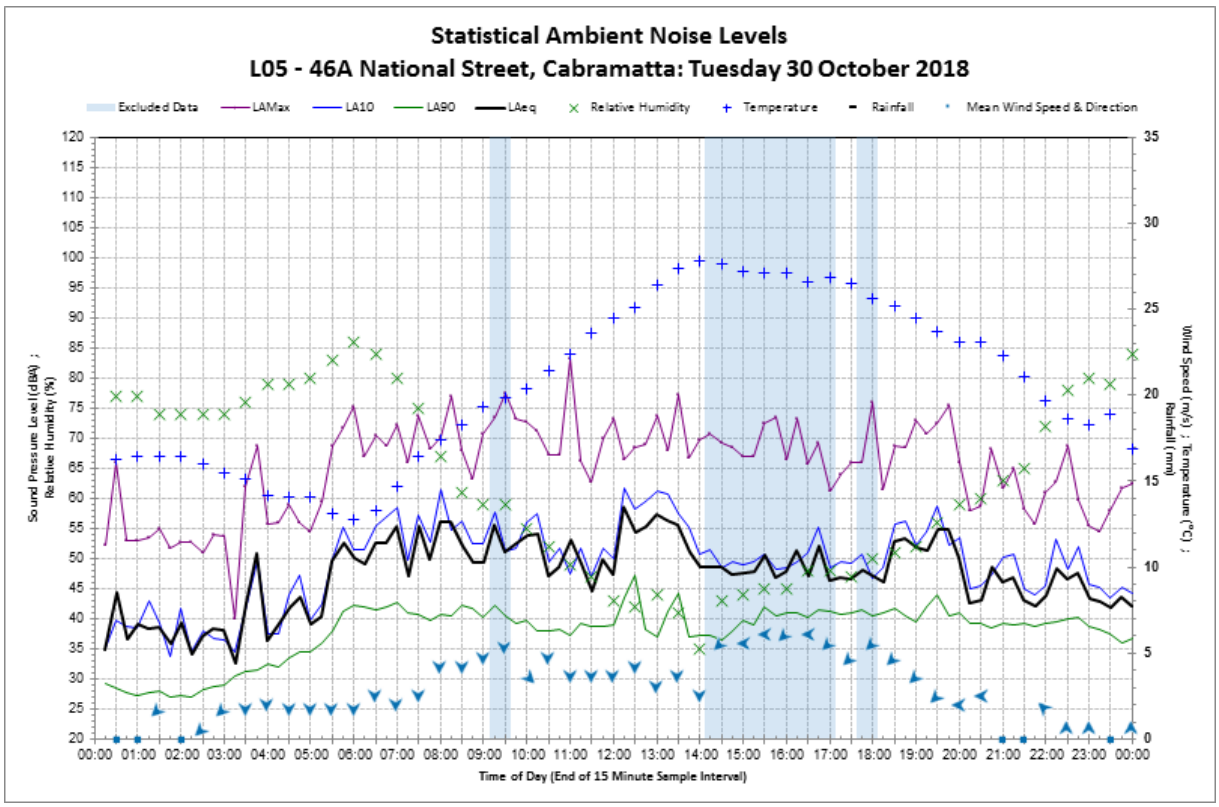

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

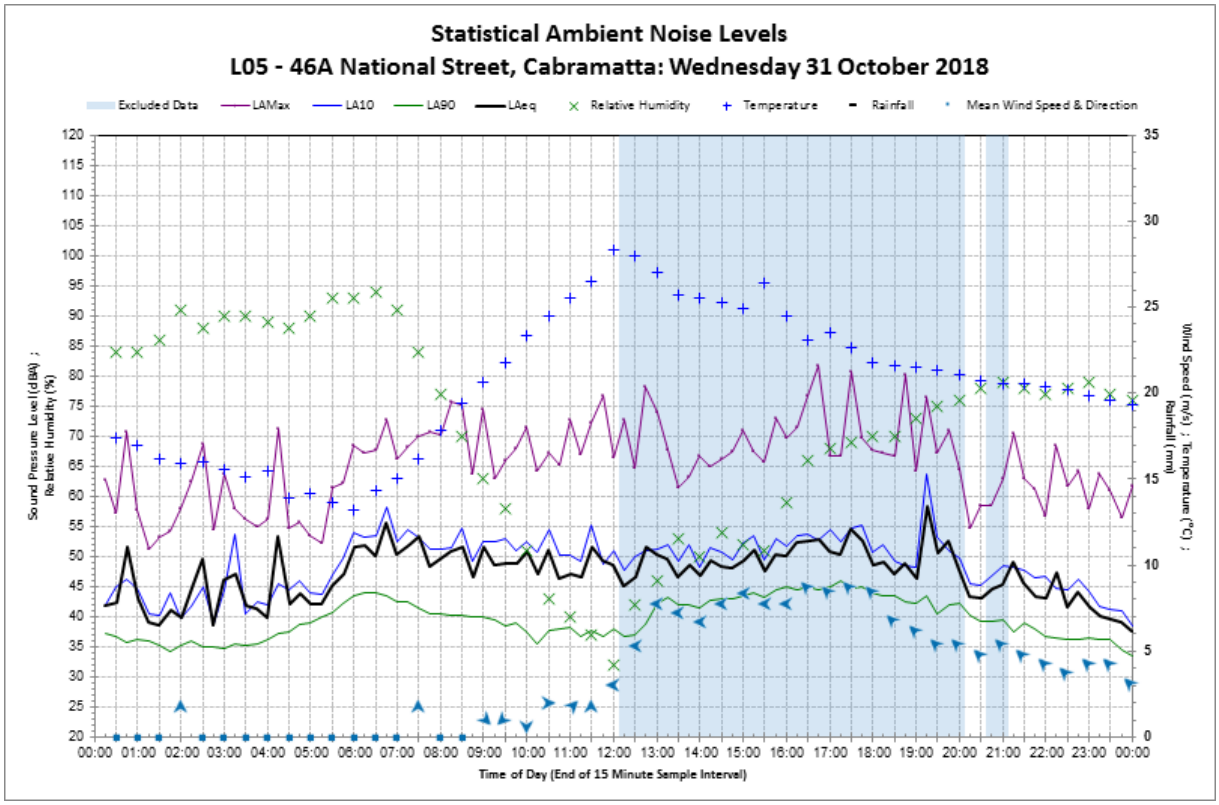

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

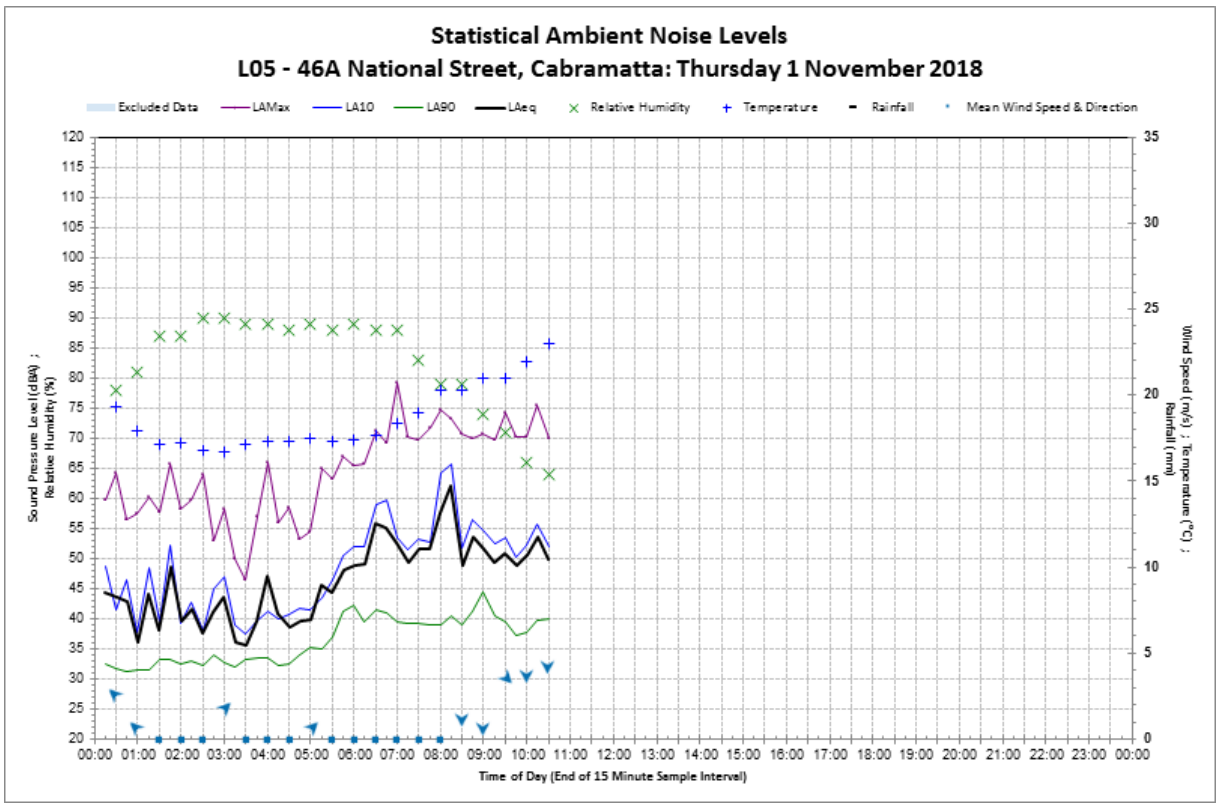

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

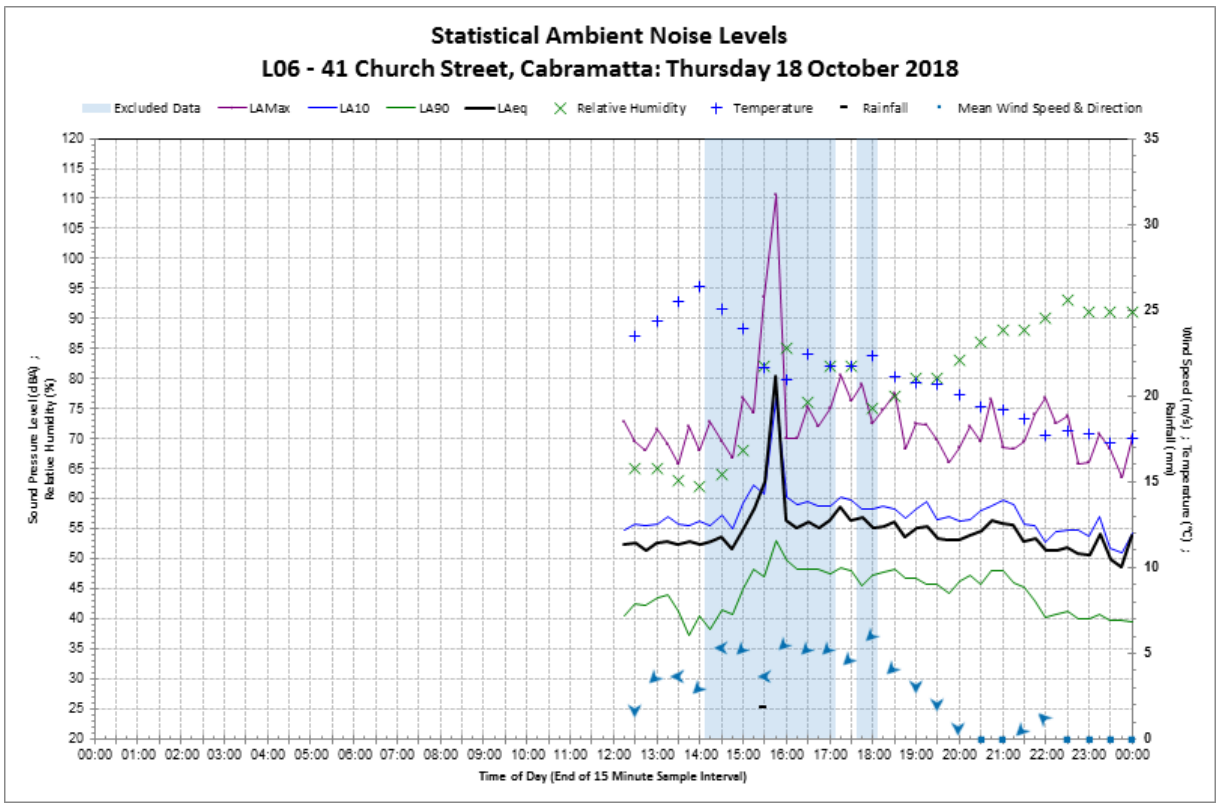

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

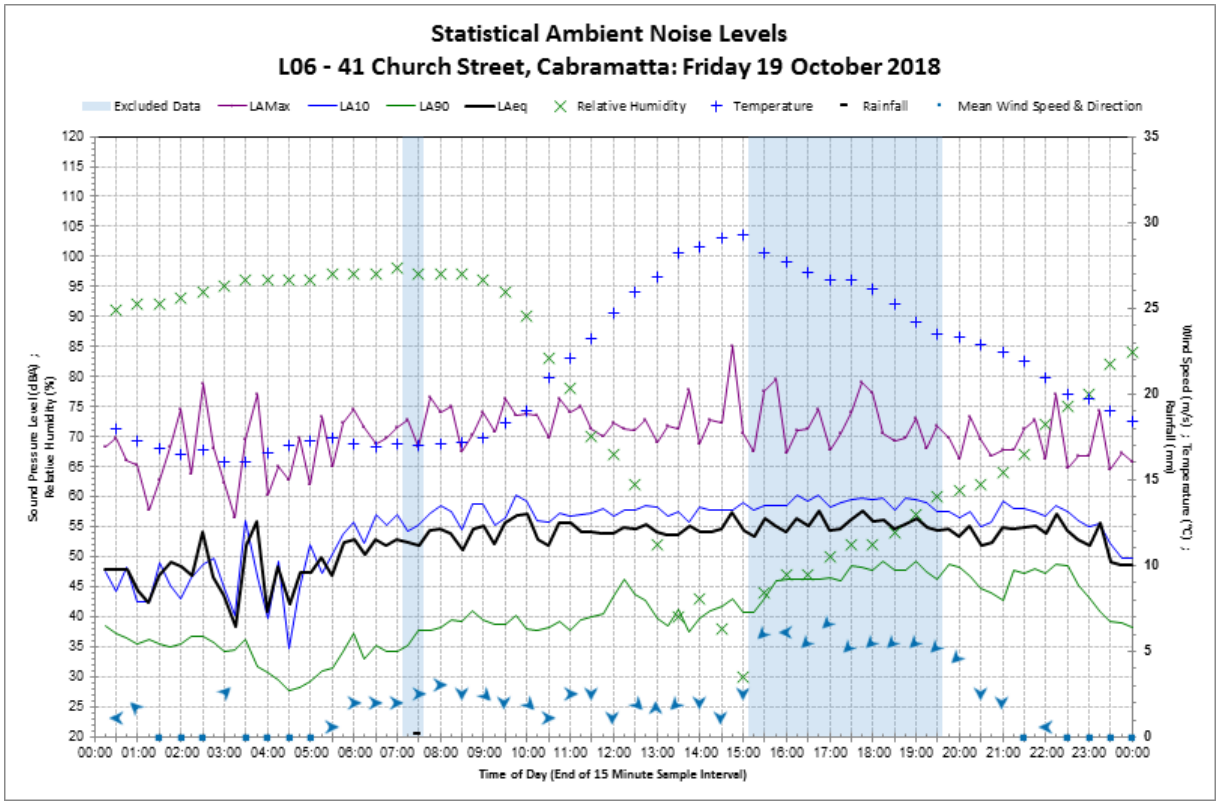

Statistical Ambient Noise Levels
L05 - 46A National Street, Cabramatta: Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

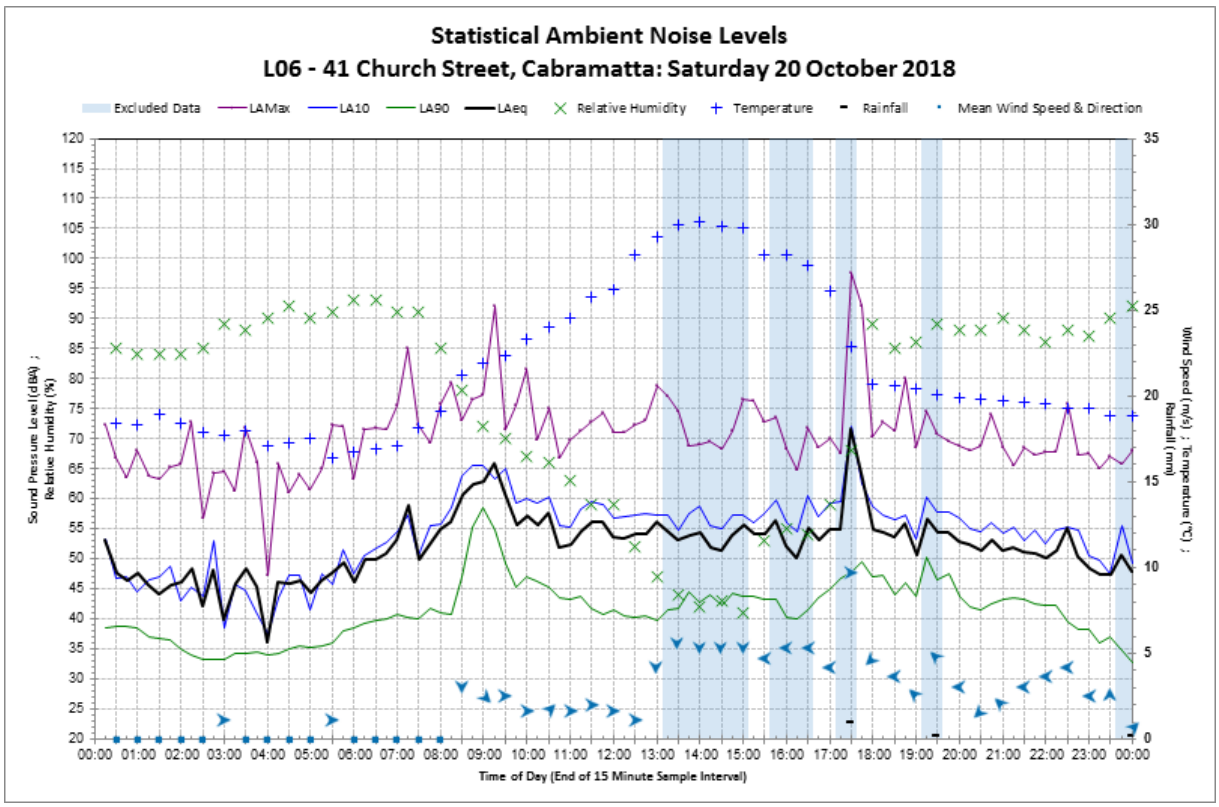
L06 – 41 Church Street, Cabramatta

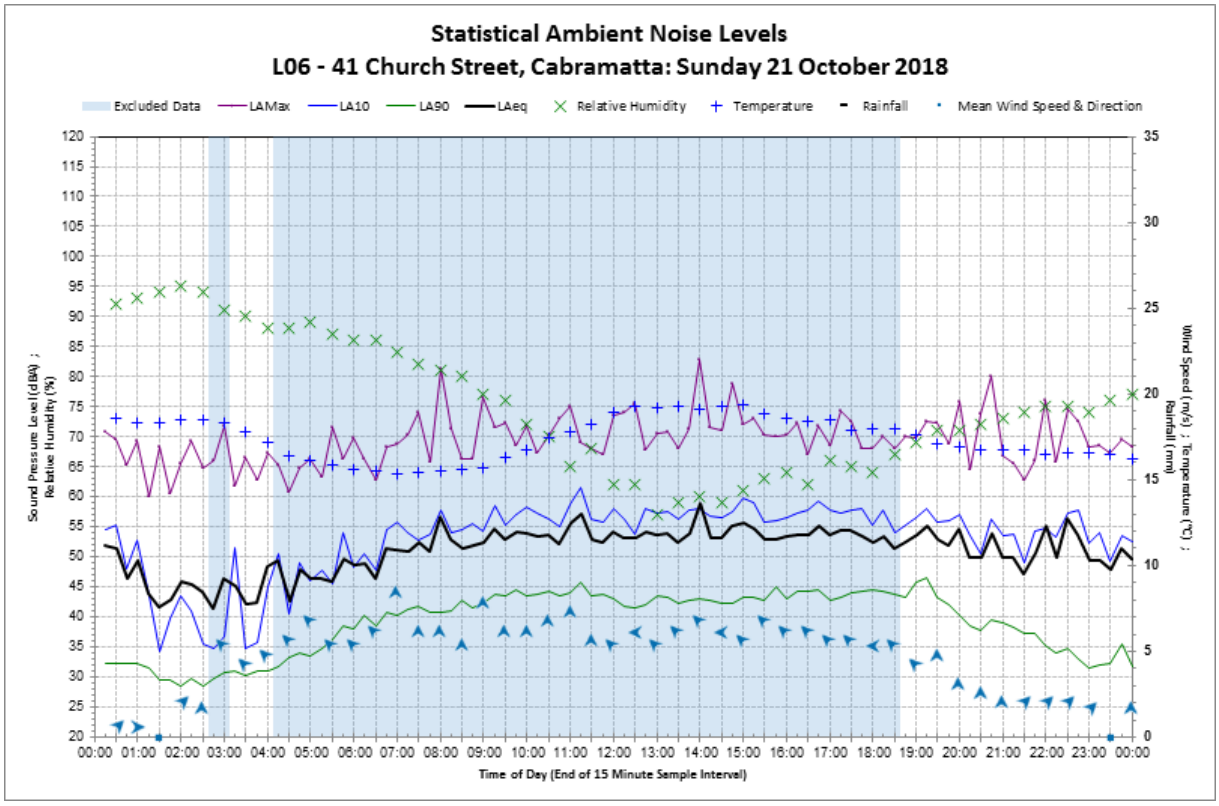
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
18/10/2018	37	43	30	54	55	50	54	50
19/10/2018	38	43	34	55	54	50	55	50
20/10/2018	40	42	29	58	53	49	57	49
21/10/2018	-	37	29	-	53	52	53	52
22/10/2018	39	37	33	56	53	50	55	50
23/10/2018	39	40	36	55	53	49	54	49
24/10/2018	-	37	27	-	52	51	52	51
25/10/2018	38	39	31	55	54	51	55	51
26/10/2018	40	37	30	53	56	48	55	48
27/10/2018	37	42	32	55	53	47	54	47
28/10/2018	-	34	26	-	51	51	51	51
29/10/2018	38	38	30	-	52	51	-	51
30/10/2018	40	39	33	55	53	51	54	51
31/10/2018	37	40	33	54	54	52	54	52
01/11/2018	38			54			54	-
RBL / Log Average and LAeq	**38**	**39**	**30**	**55**	**53**	**50**	**54**	**50**

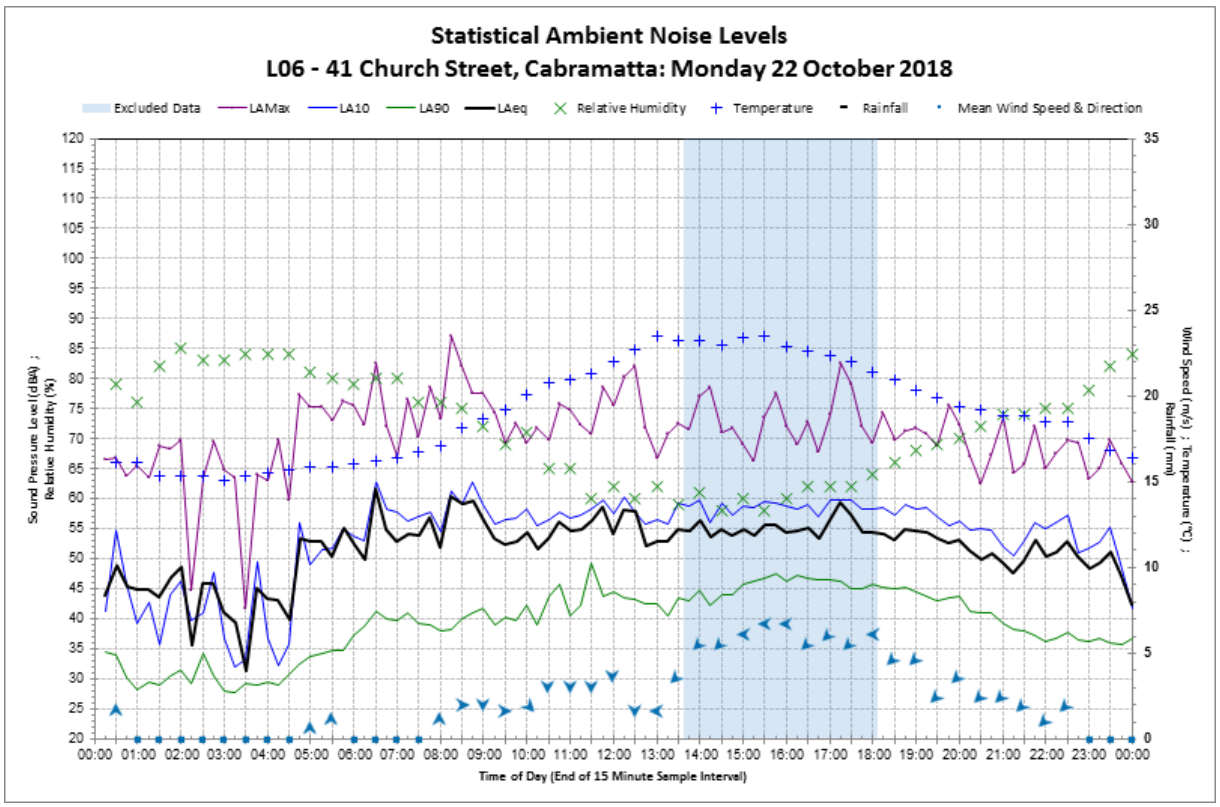
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

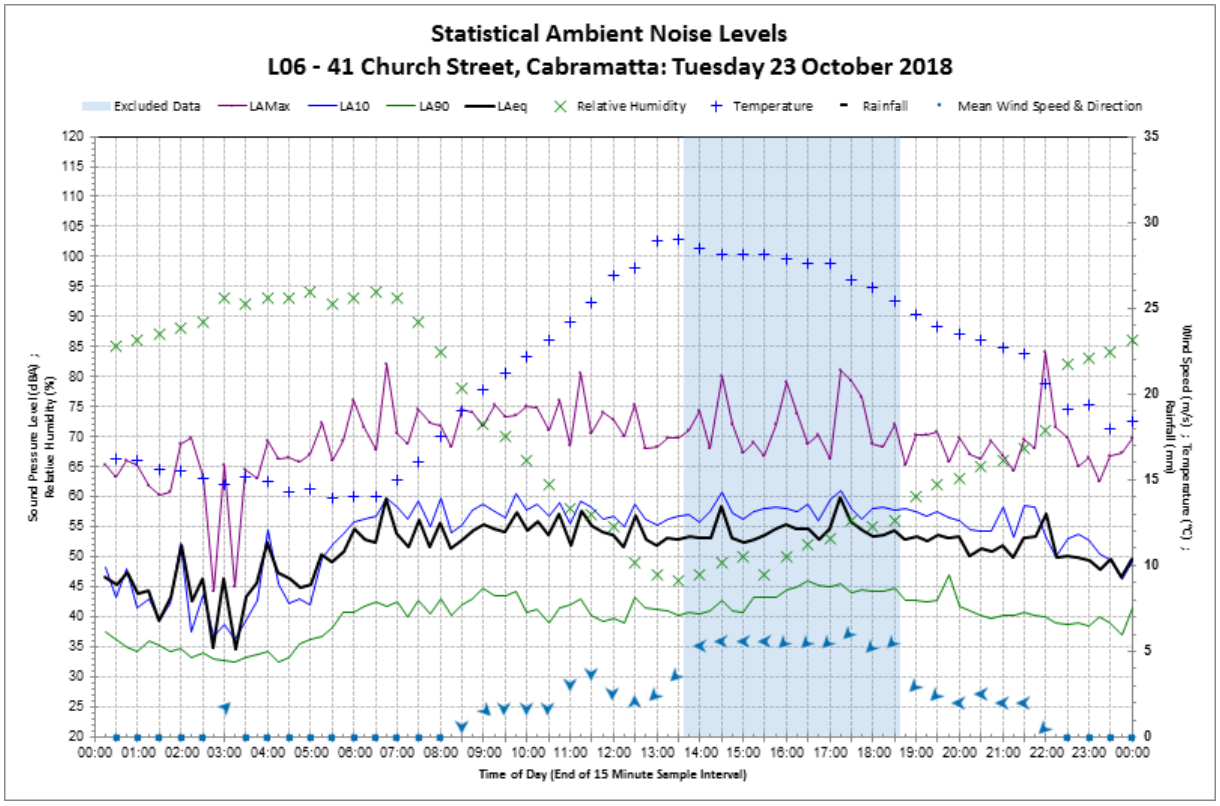

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

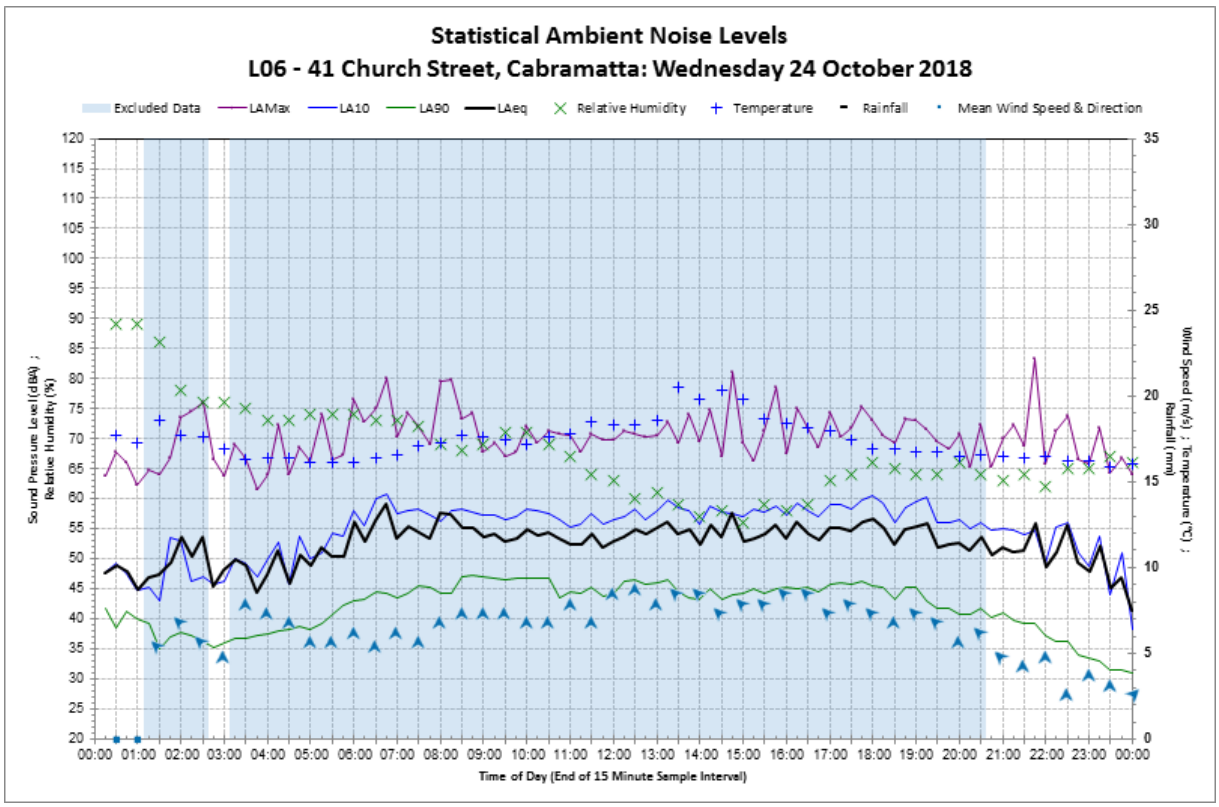

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

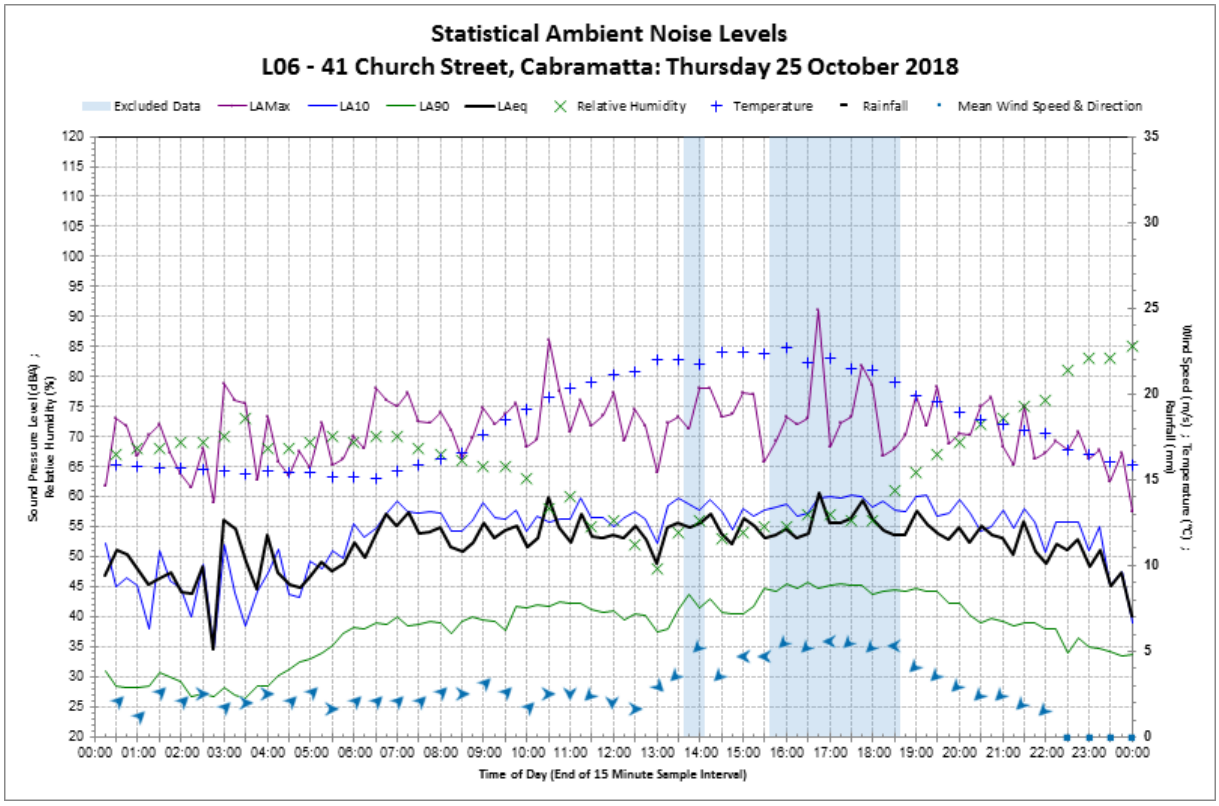

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

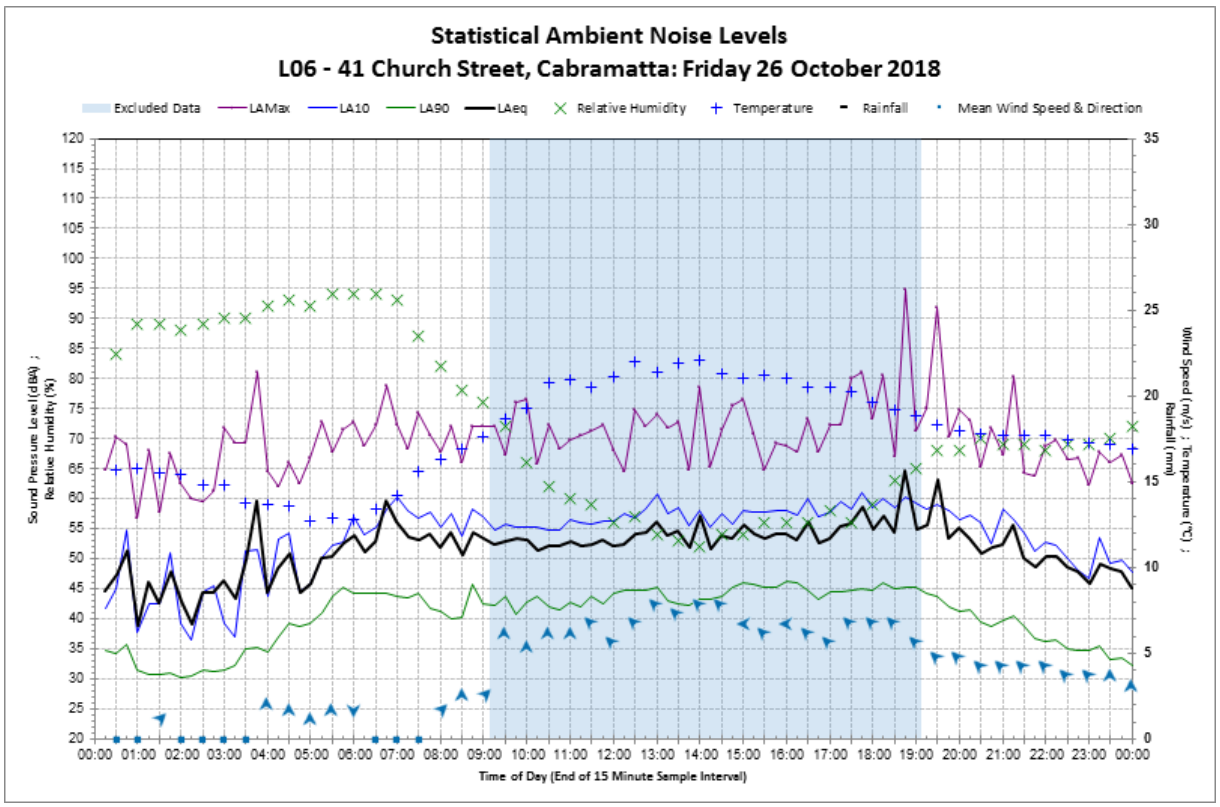

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

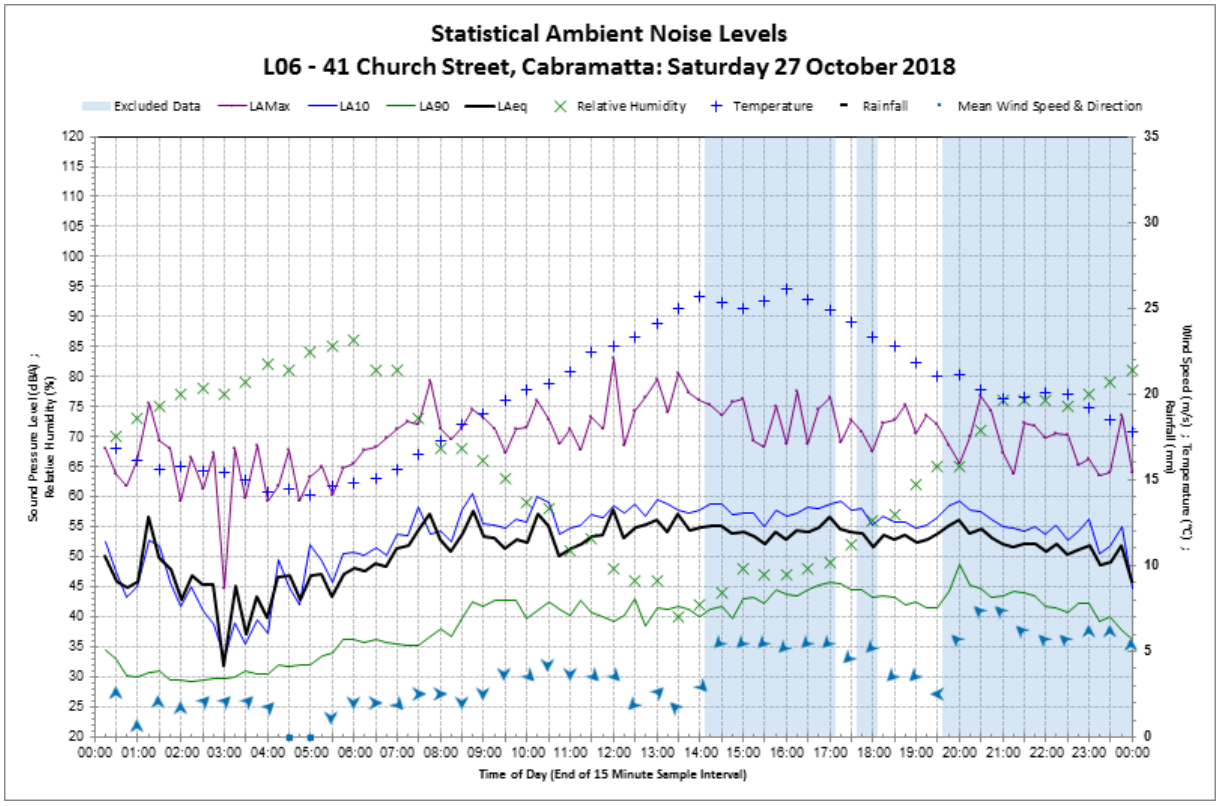

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

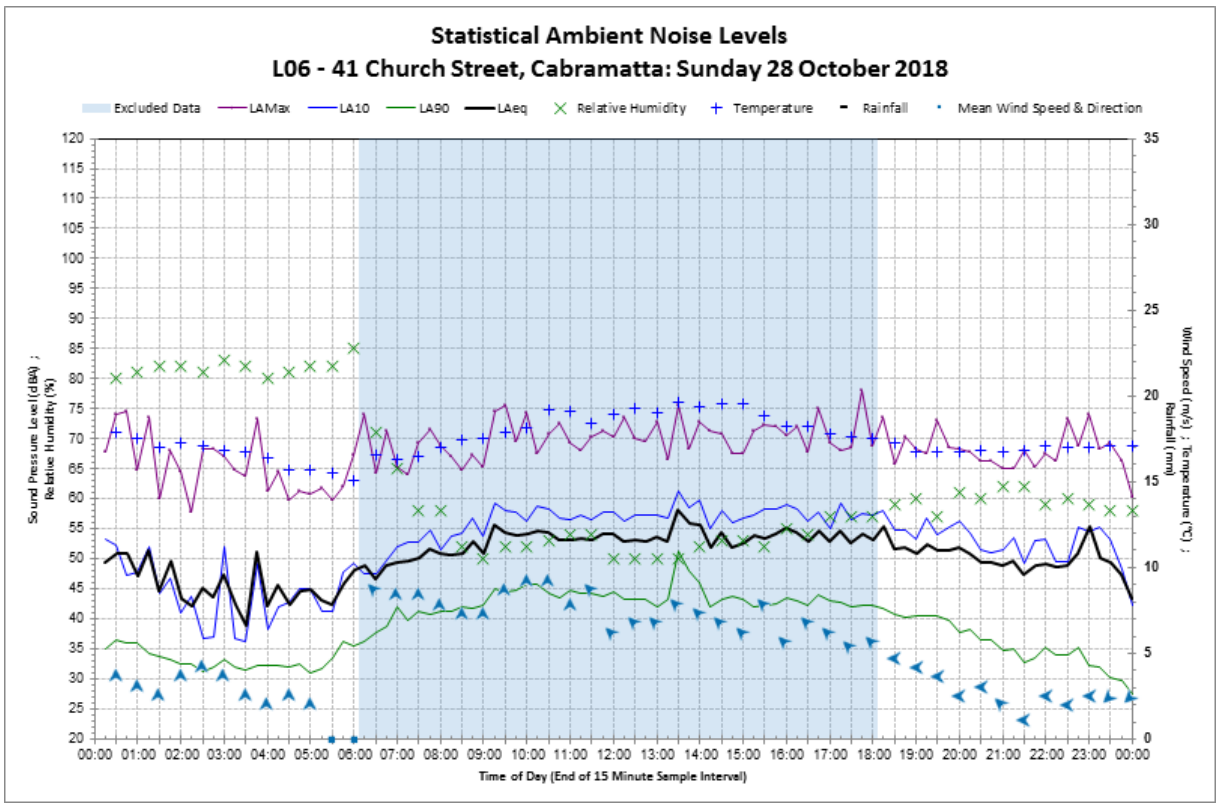

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

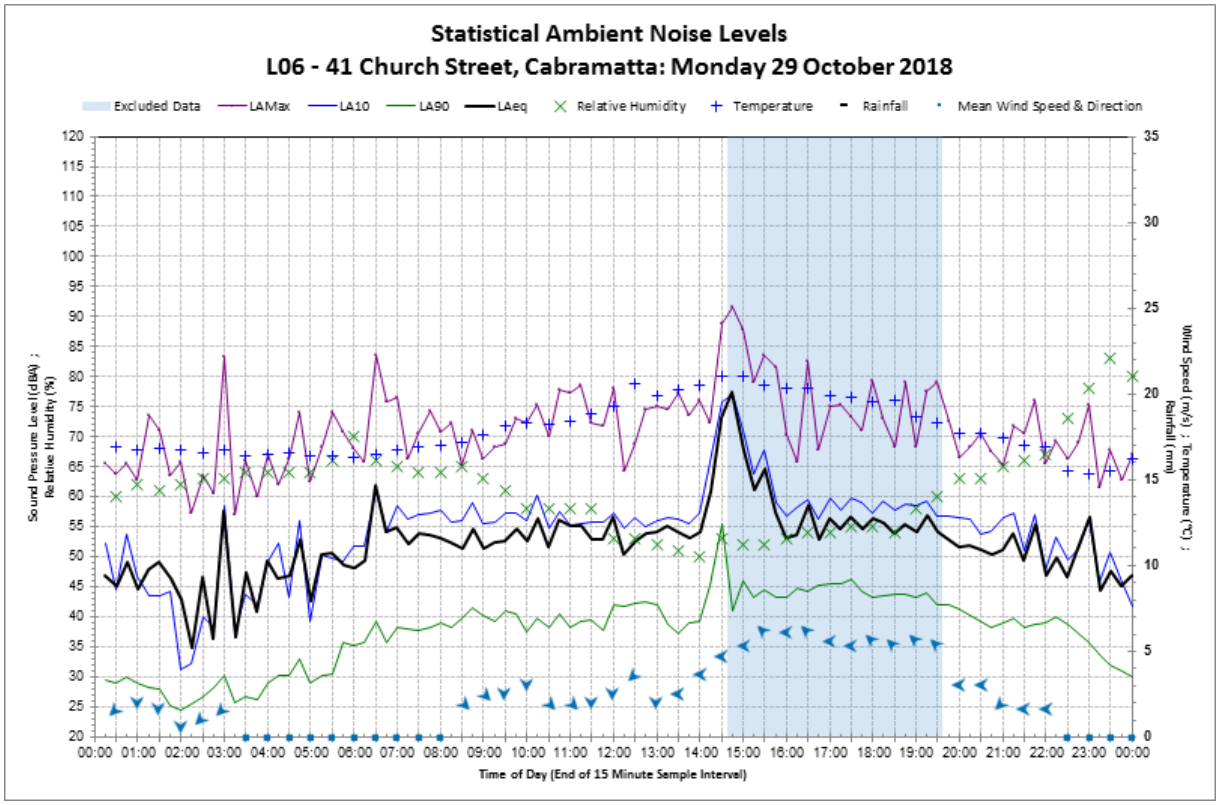

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

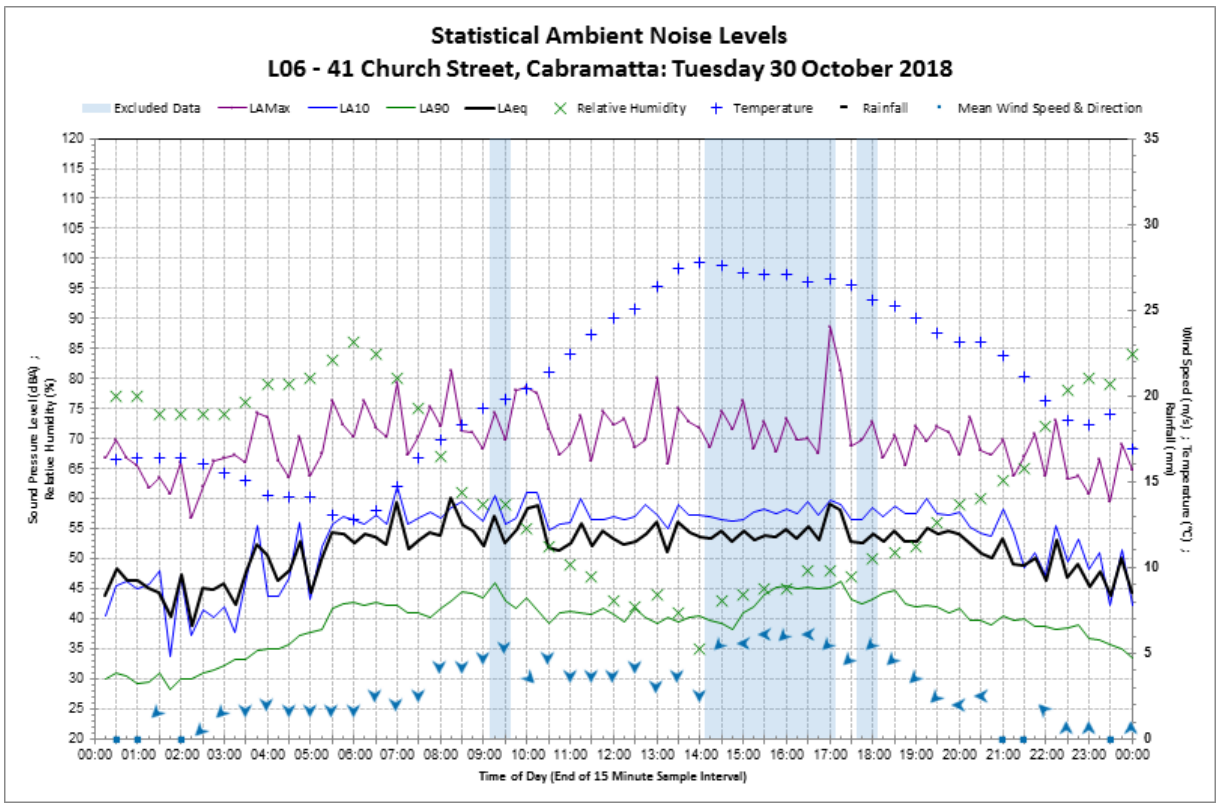

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

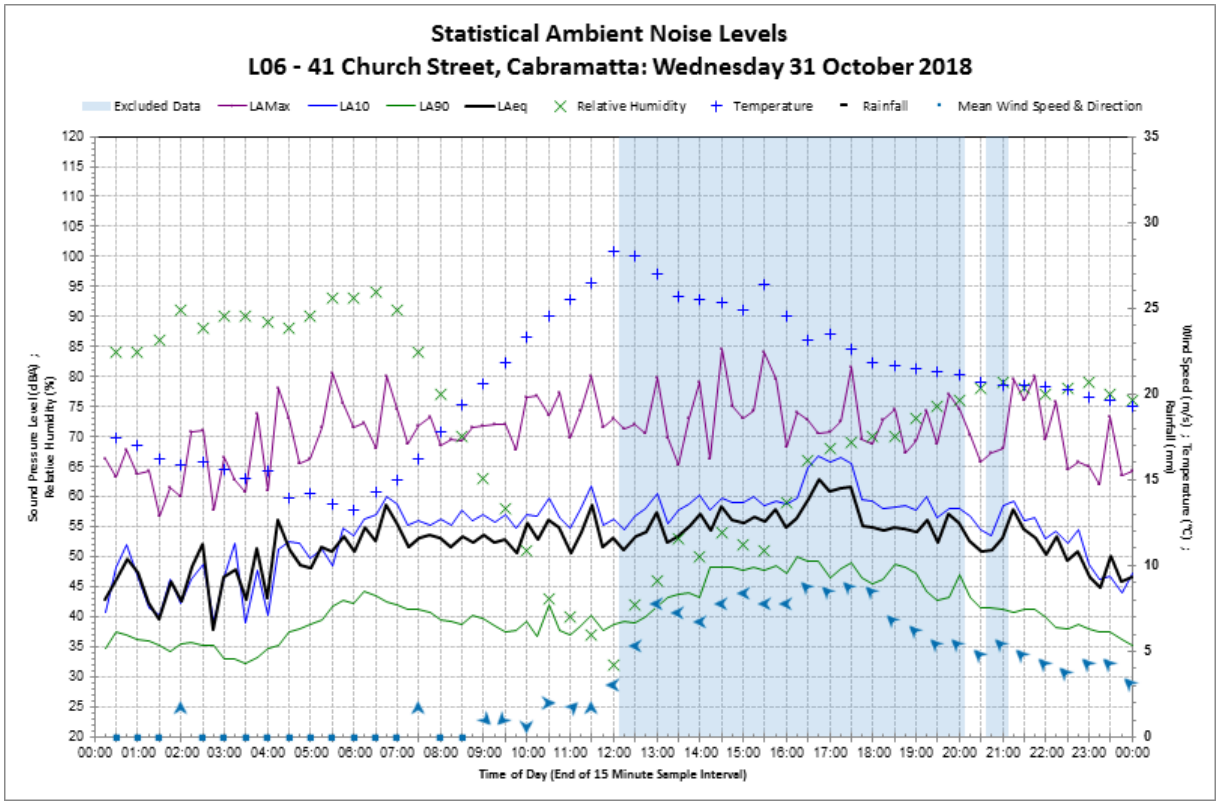

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

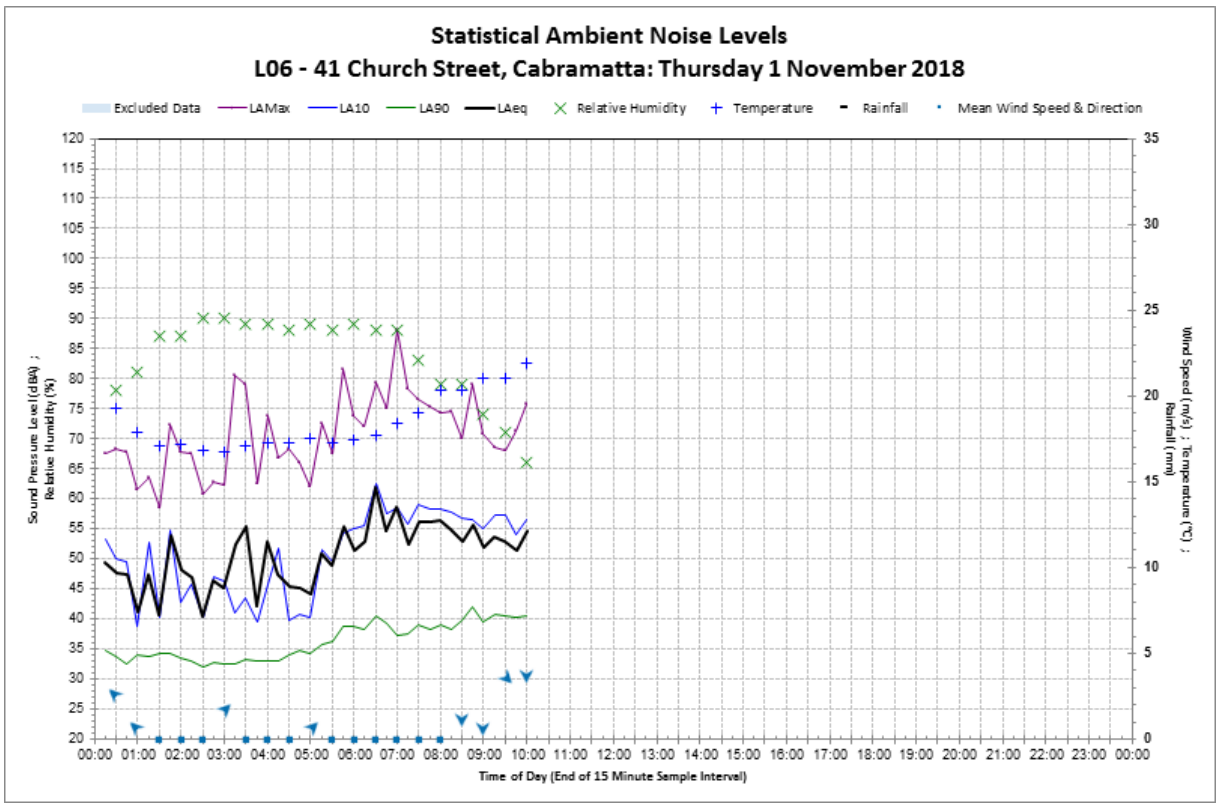

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

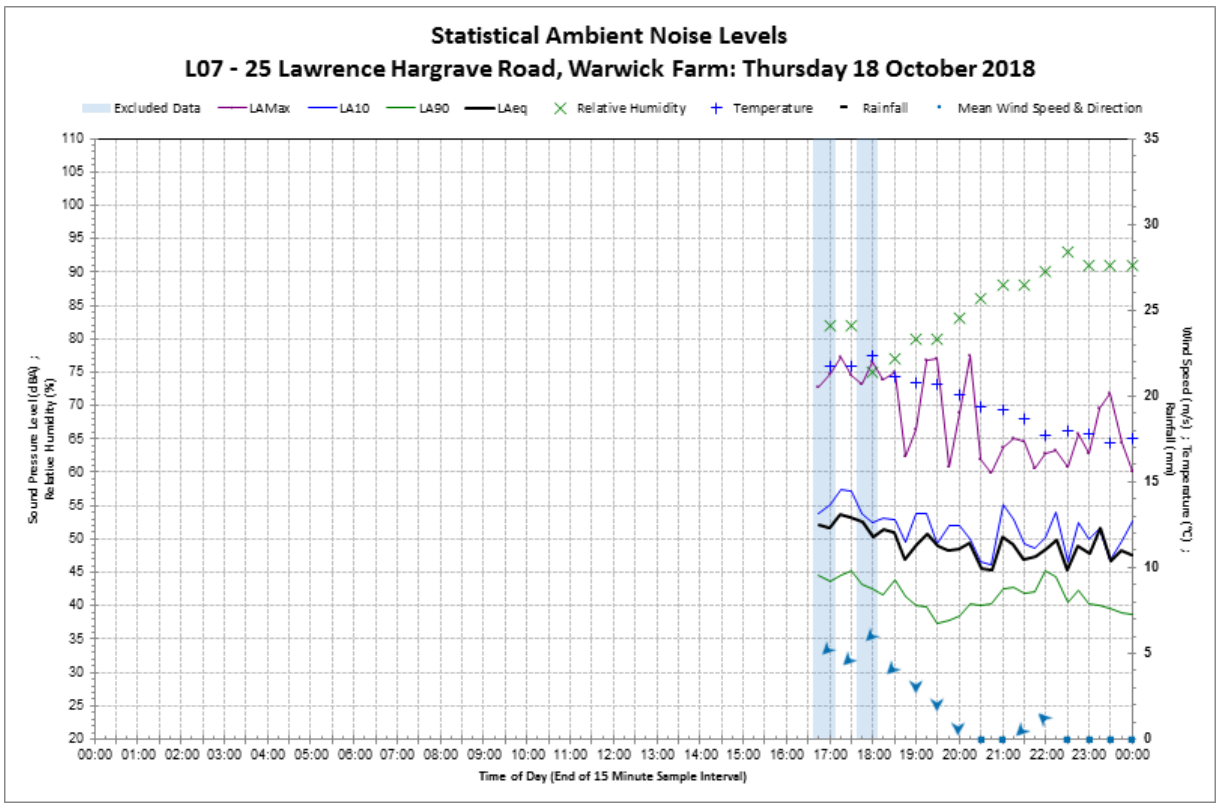

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

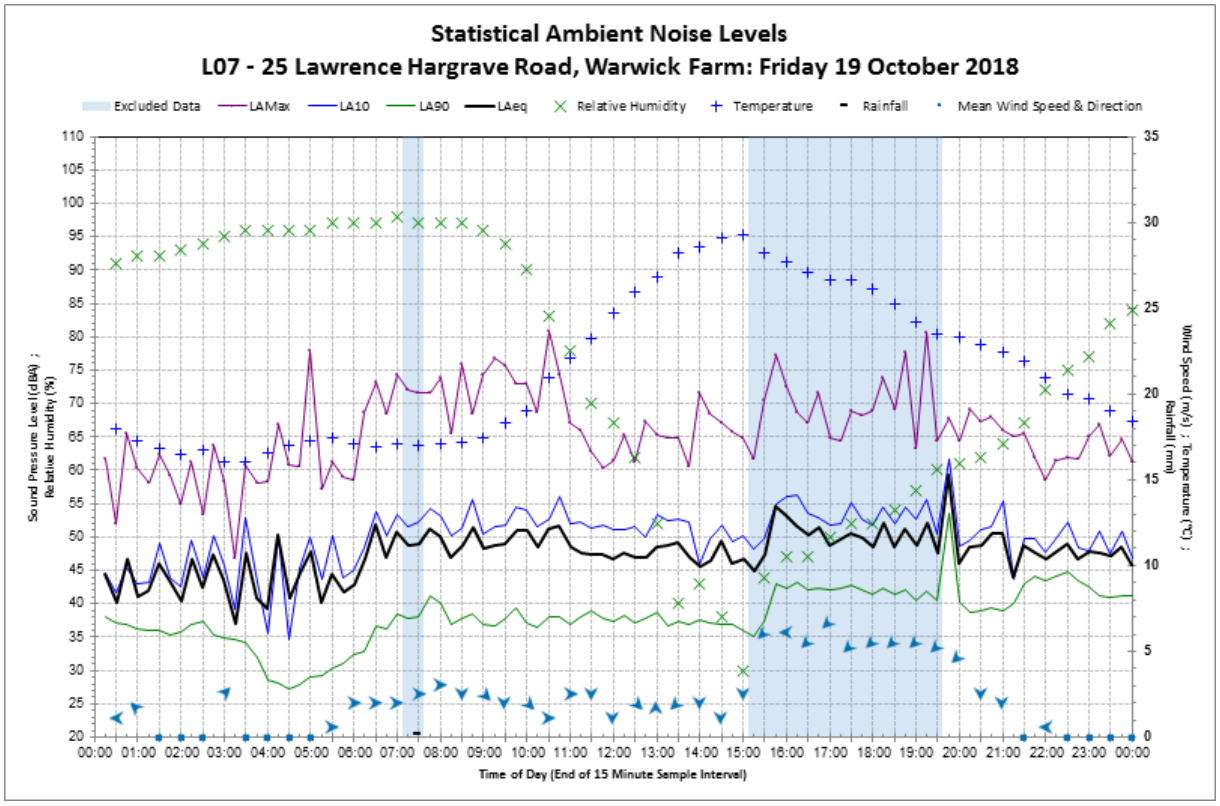

Statistical Ambient Noise Levels
L06 - 41 Church Street, Cabramatta: Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

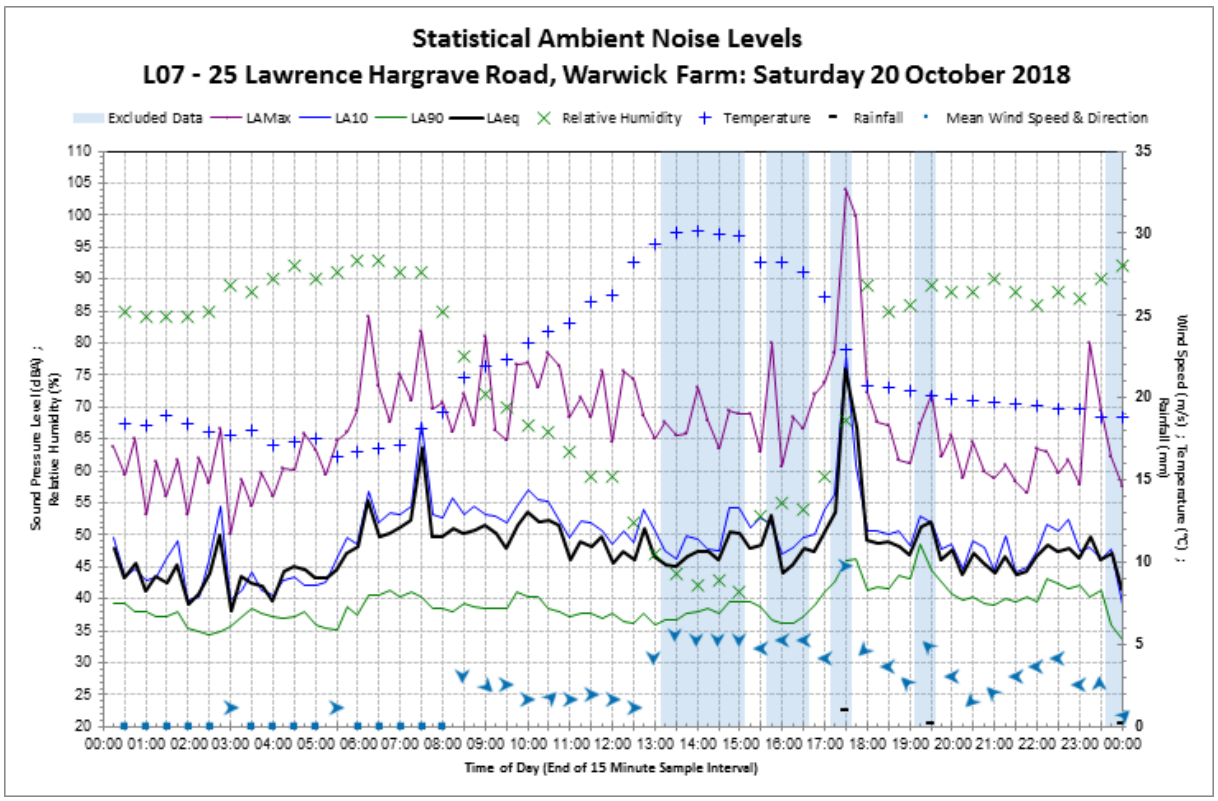
L07 – 25 Lawrence Hargrave Road, Warwick Farm

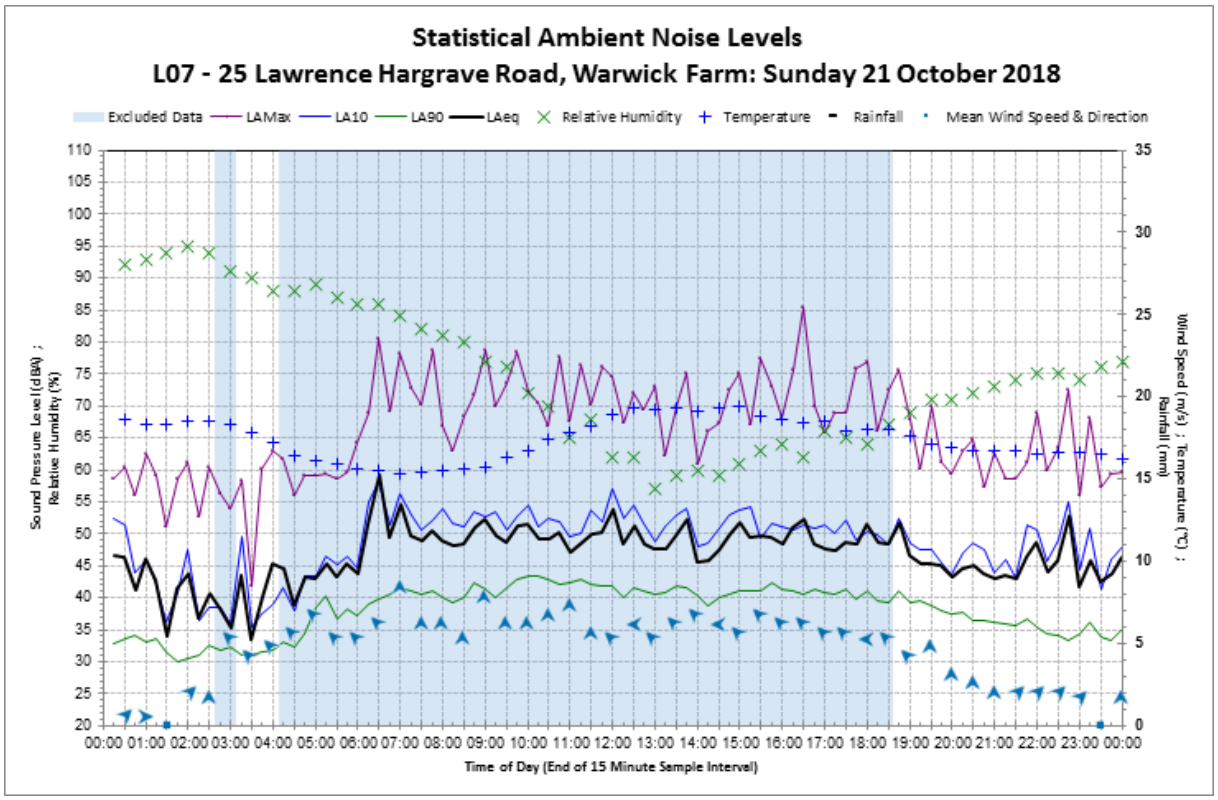
Date	Rating background level 90th percentile $L_{A90(15min)}$			Ambient noise levels, $L_{Aeq(period)}$			15-hour and 9-hour noise levels, $L_{Aeq(period)}$	
	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 1.00 0pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 6.00 pm)	Evening (6.00 pm to 10.00 pm)	Night (10.00 pm to 7.00 am)	Day (7.00 am to 10.00 pm)	Night (10.00 pm to 7.00 am)
18/10/2018	-	38	29	53	49	47	50	47
19/10/2018	37	39	35	49	52	47	50	47
20/10/2018	37	39	31	55	47	45	54	45
21/10/2018	-	36	31	-	46	46	46	46
22/10/2018	38	35	33	52	51	48	51	48
23/10/2018	38	40	35	52	53	47	53	47
24/10/2018	-	44	30	-	49	48	49	48
25/10/2018	37	38	34	50	49	48	50	48
26/10/2018	40	37	30	51	46	45	49	45
27/10/2018	35	37	31	49	47	48	48	48
28/10/2018	-	35	26	-	47	47	47	47
29/10/2018	37	38	34	49	47	49	49	49
30/10/2018	38	39	35	52	55	48	53	48
31/10/2018	37	39	36		48	47		47
01/11/2018	38			51			51	-
RBL / Log Average and LAeq	**37**	**38**	**32**	**52**	**50**	**47**	**50**	**47**

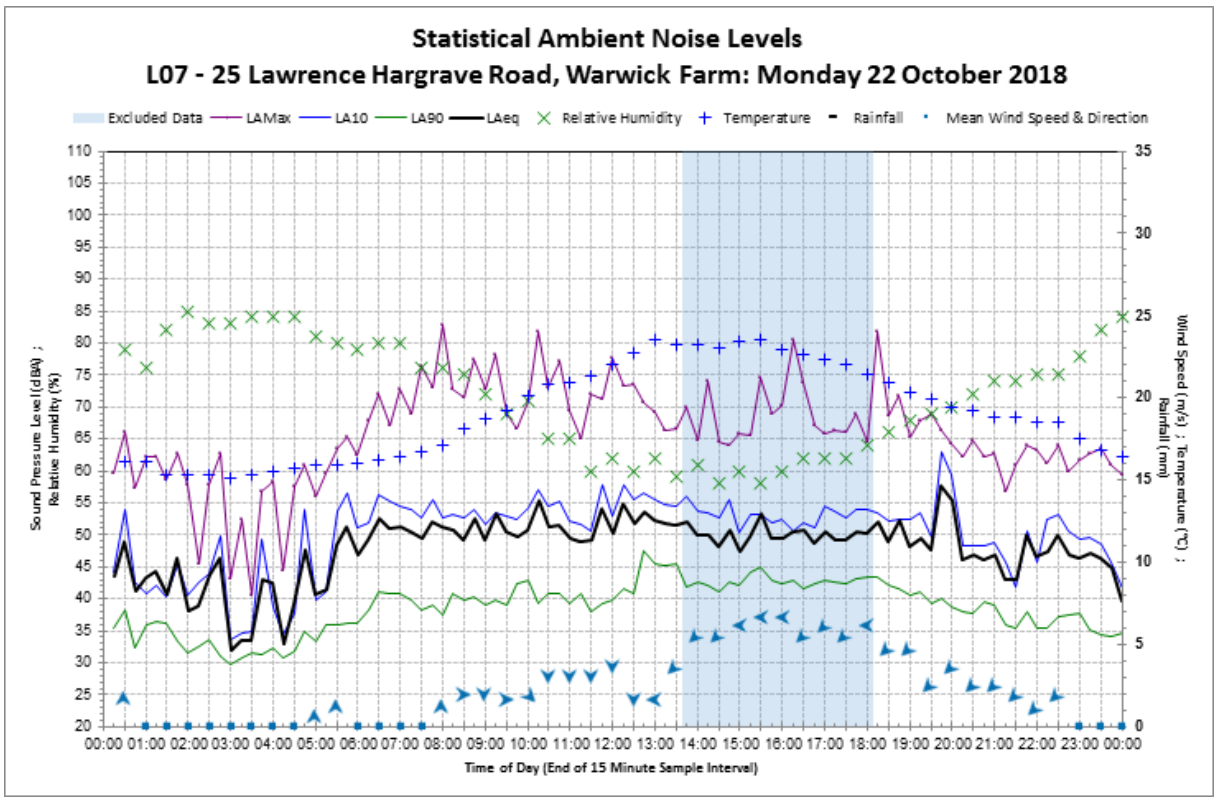
Note: '-' indicates data filtered due to adverse weather or extraneous noise events.

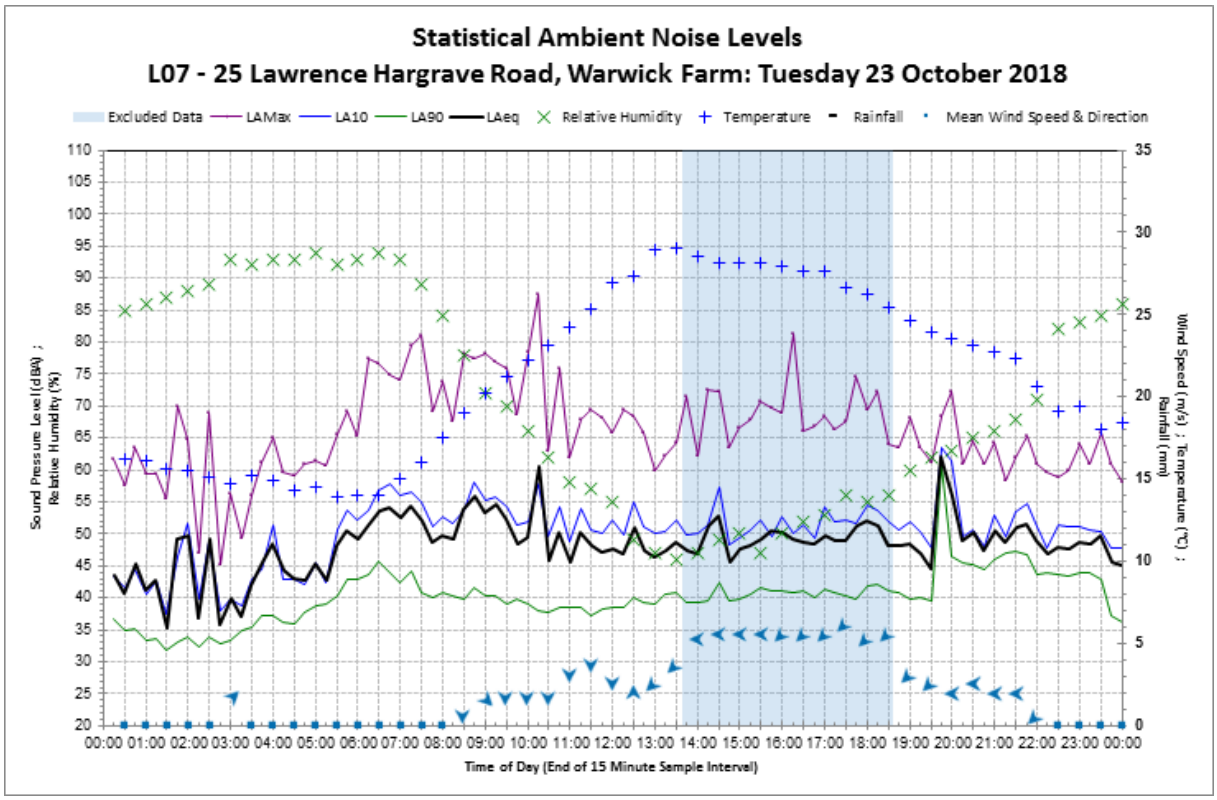

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Thursday 18 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

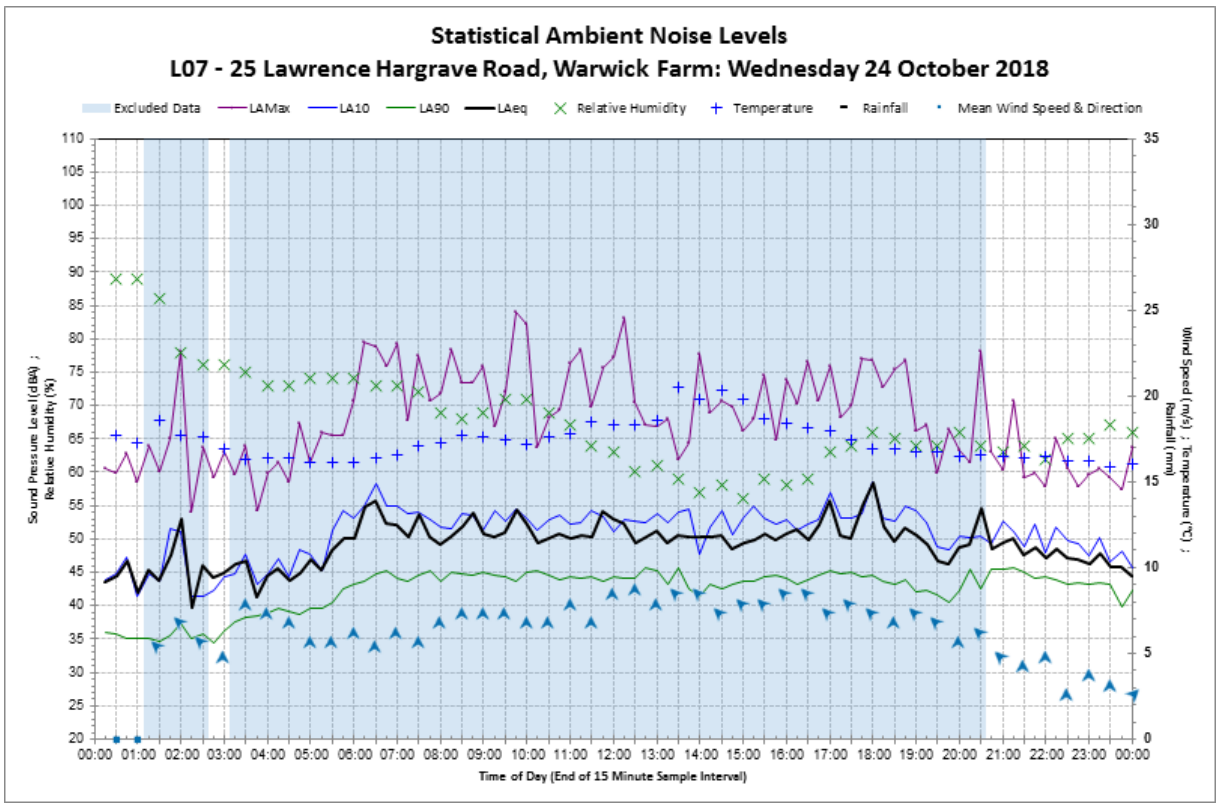

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Friday 19 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

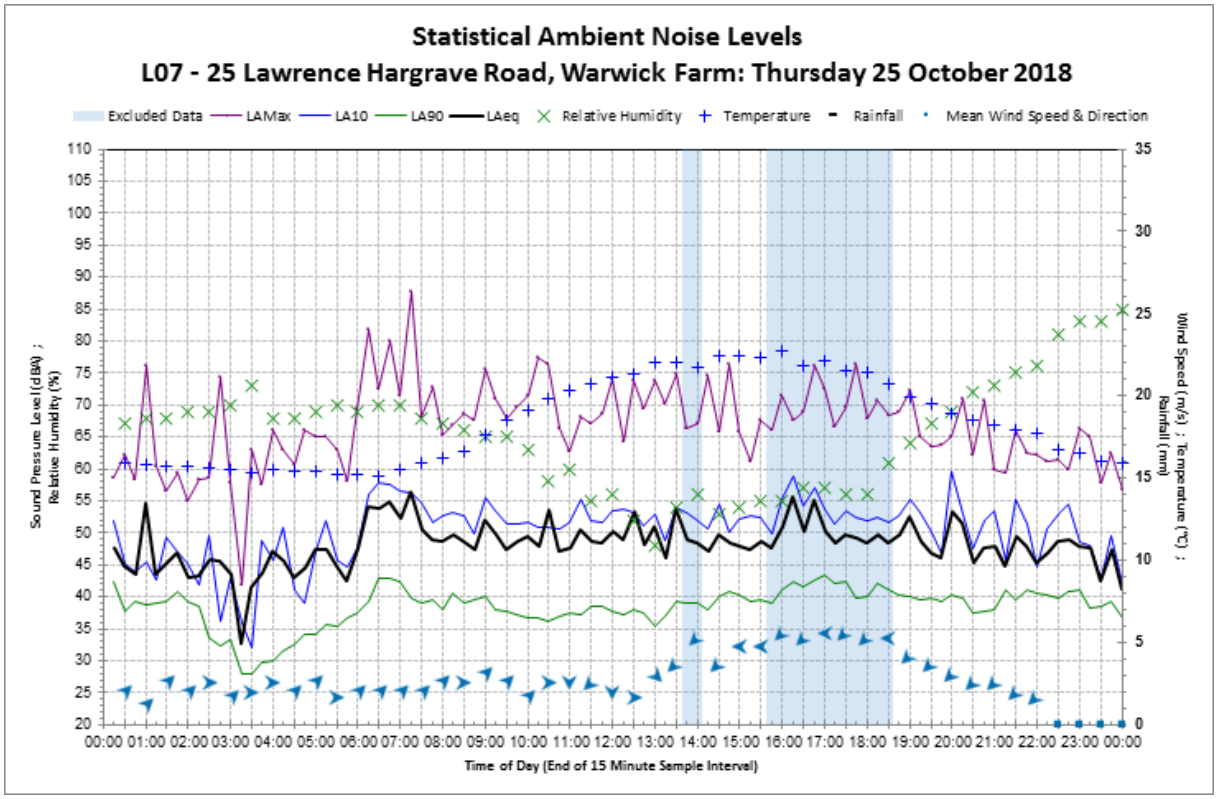

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Saturday 20 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

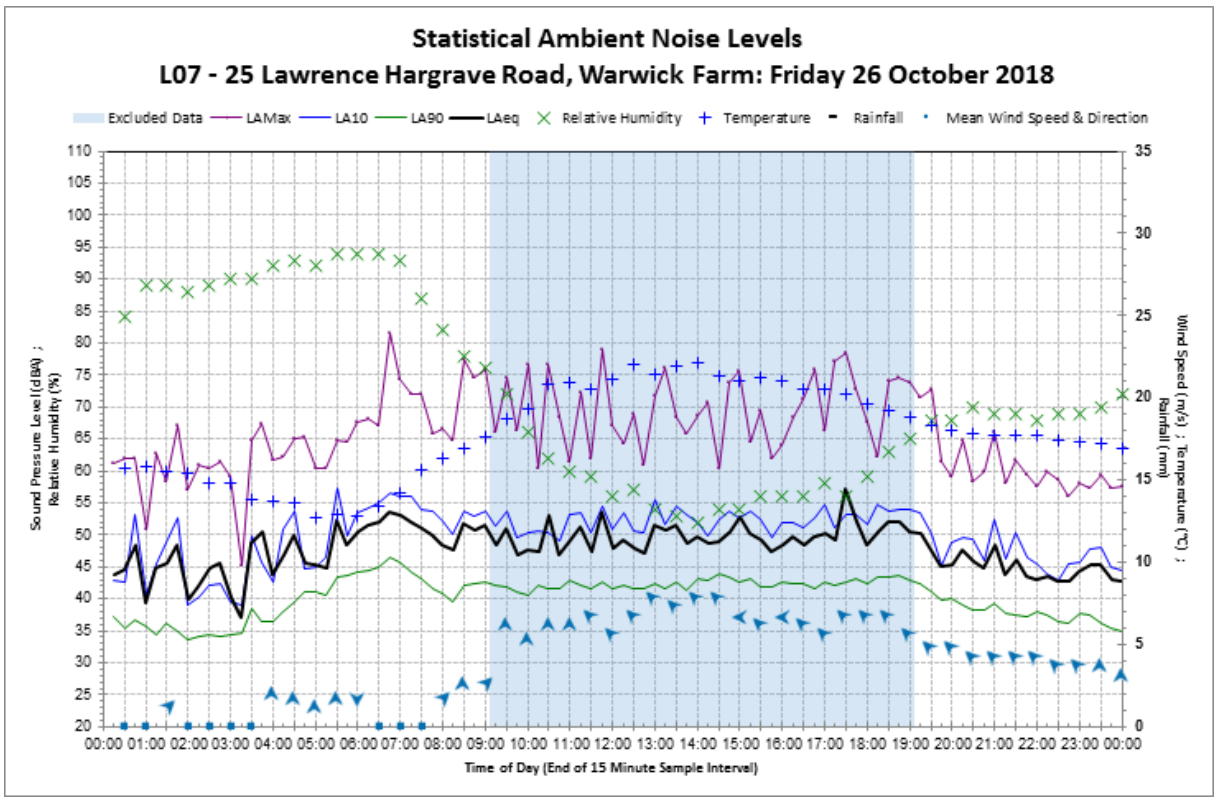

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Sunday 21 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

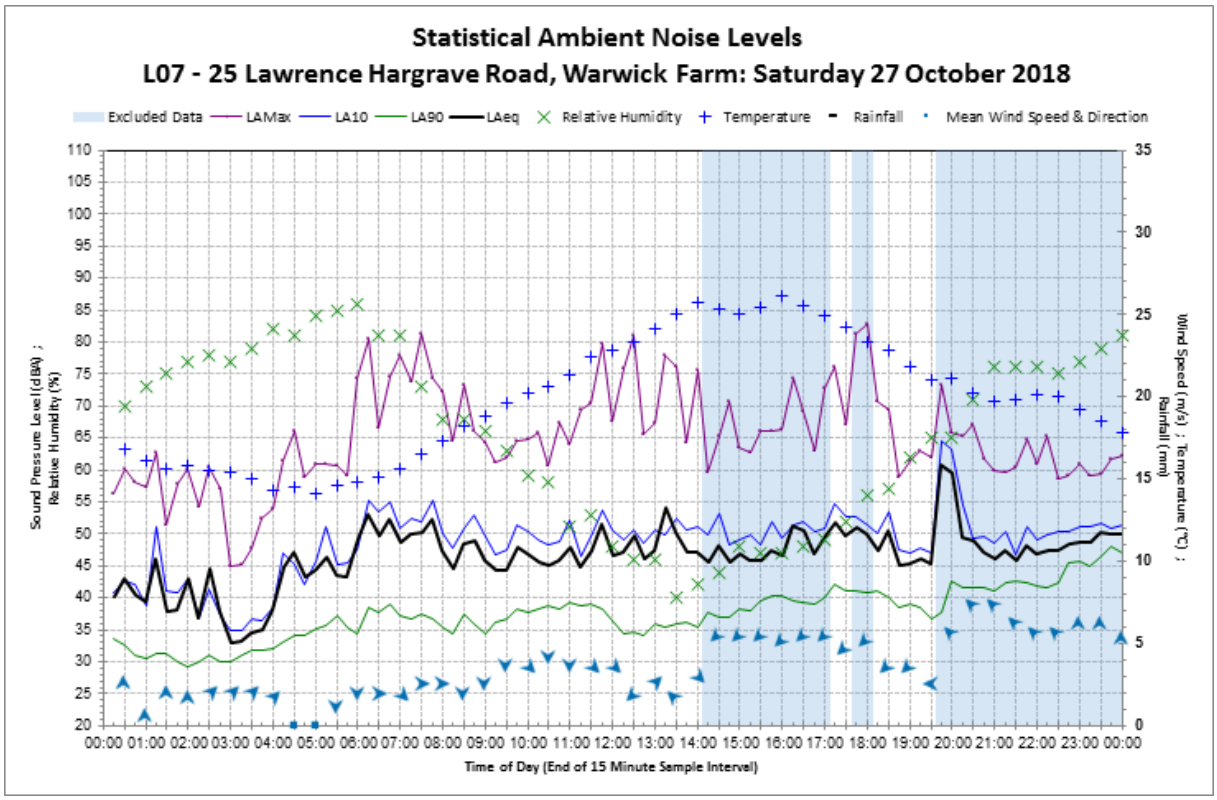

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Monday 22 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

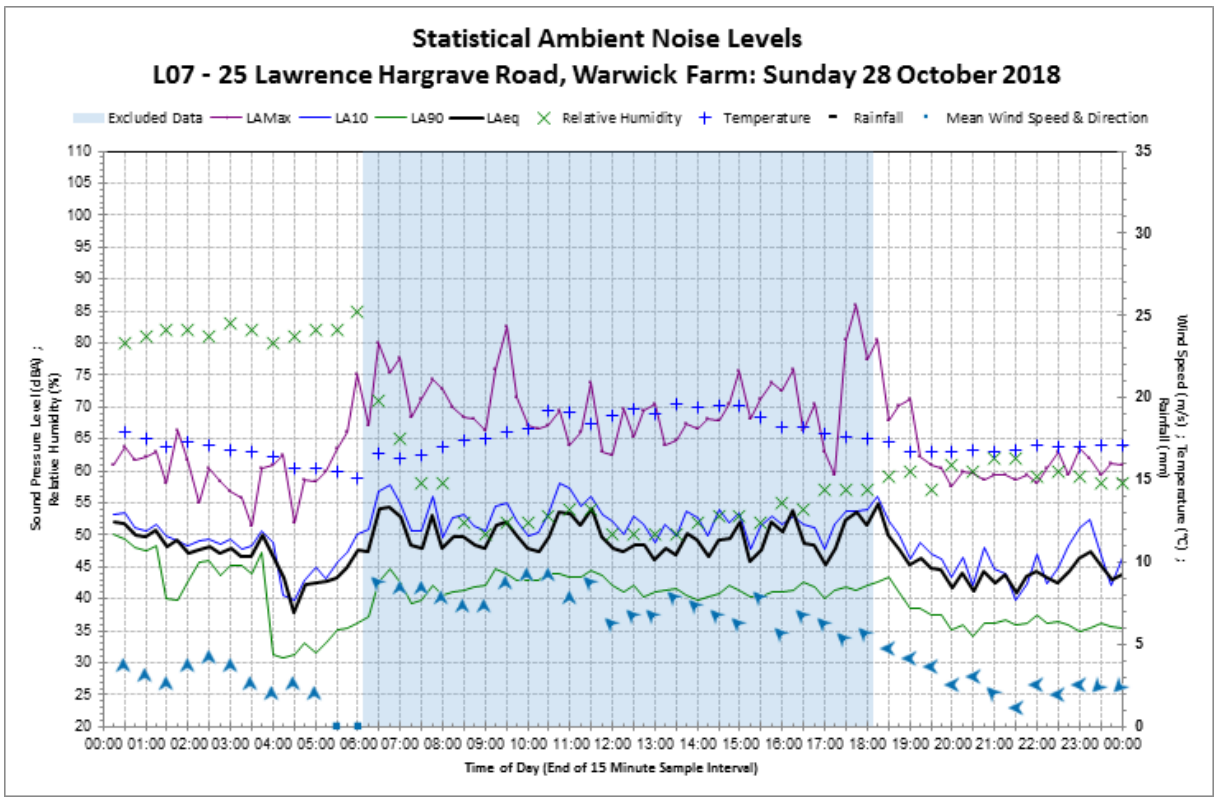

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Tuesday 23 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

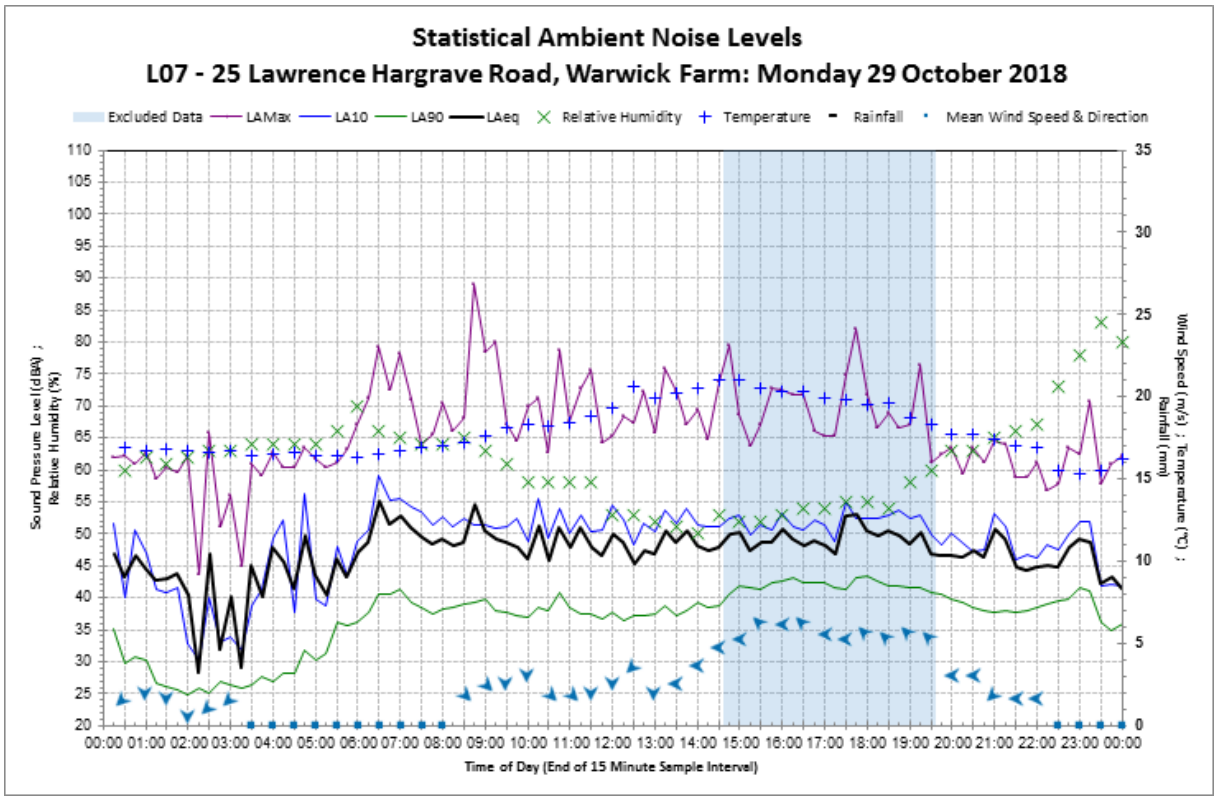

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Wednesday 24 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

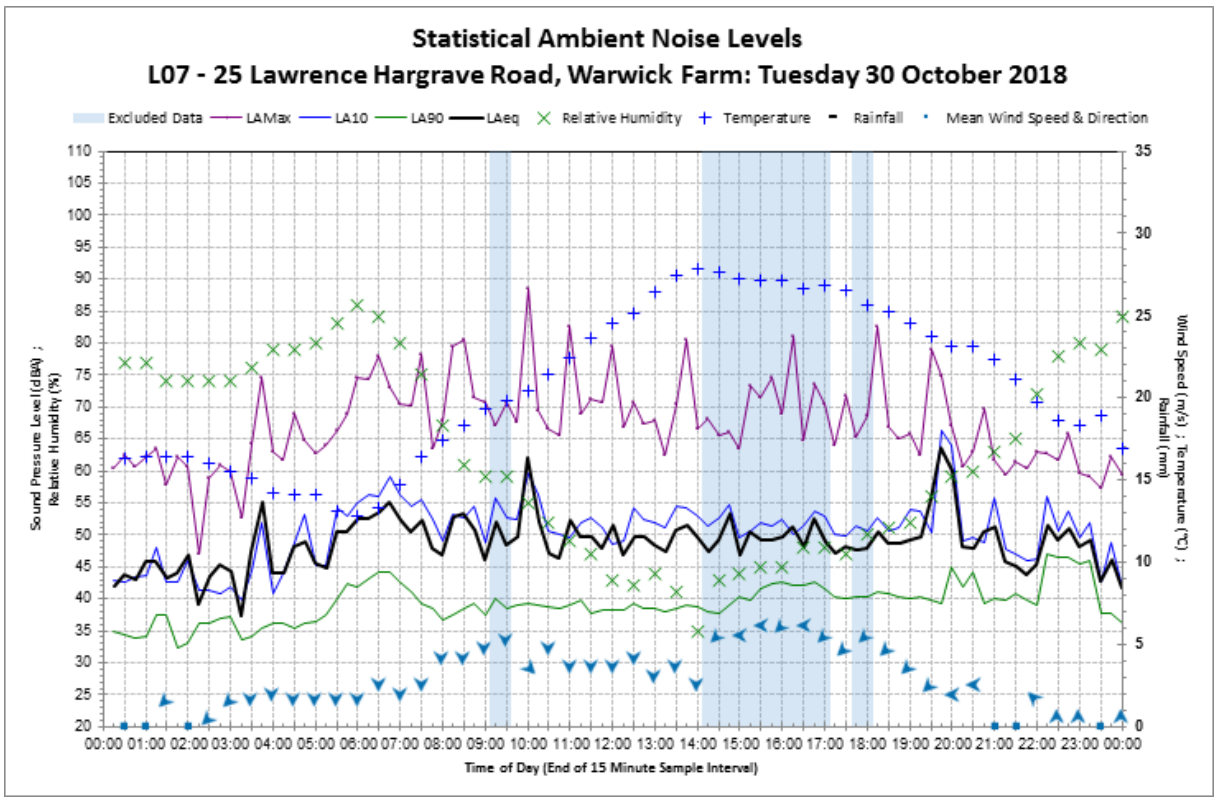

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Thursday 25 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

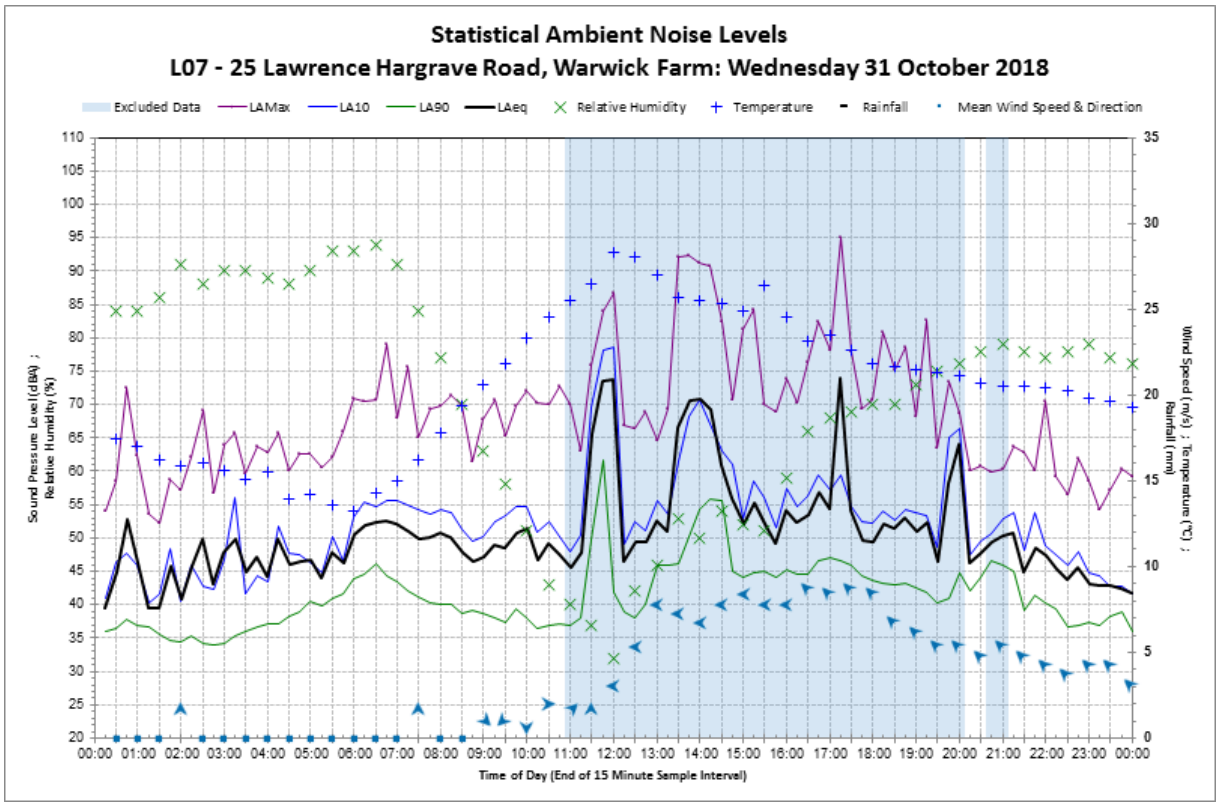

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Friday 26 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

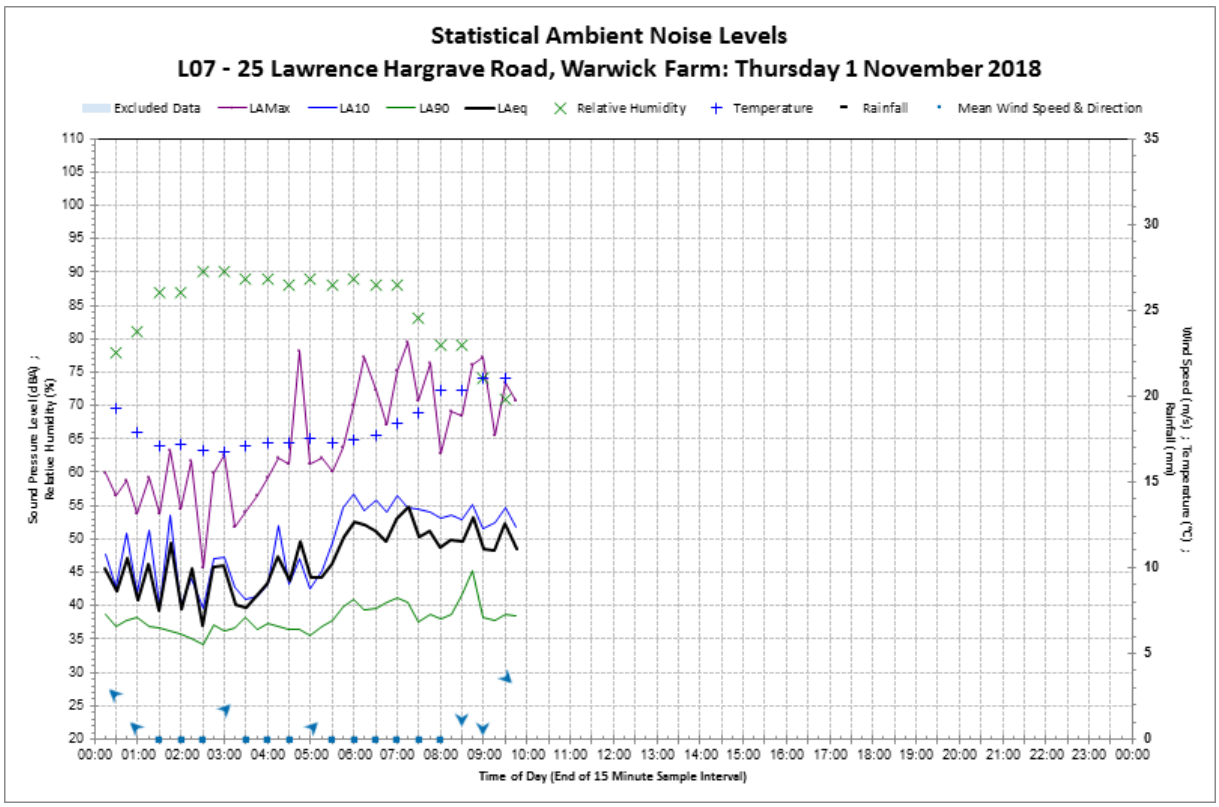

Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Saturday 27 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Sunday 28 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Monday 29 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Tuesday 30 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Wednesday 31 October 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)


Statistical Ambient Noise Levels
L07 - 25 Lawrence Hargrave Road, Warwick Farm: Thursday 1 November 2018
Excluded Data
LAMax
LA10
LA90
LAeq
Relative Humidity
Temperature
Rainfall
Mean Wind Speed & Direction
Sound Pressure Level (dBA) ; Relative Humidity (%)
Wind Speed (m/s) ; Temperature (°C) ; Rainfall (mm)
Time of Day (End of 15 Minute Sample Interval)

Appendix D – Predicted construction noise levels

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0001	Residential	NCA03	31	40	41	37	21	41	34	36	24	46	38	46	28	-
R0002	Residential	NCA03	34	38	42	38	24	42	34	36	25	42	37	44	31	-
R0003	Residential	NCA03	32	39	42	38	24	42	35	37	25	46	37	44	29	-
R0004	Residential	NCA03	32	38	42	38	23	42	35	36	25	45	38	44	29	-
R0005	Residential	NCA03	35	40	42	38	23	41	35	37	25	46	39	46	32	-
R0006	Residential	NCA03	32	39	42	38	23	42	34	36	25	44	38	45	29	-
R0007	Residential	NCA03	31	40	41	38	23	42	34	36	25	44	38	45	28	-
R0008	Residential	NCA03	30	40	42	38	23	42	35	36	25	44	39	45	27	-
R0009	Residential	NCA03	32	41	42	38	23	42	34	36	25	44	40	46	29	-
R0010	Residential	NCA03	31	40	42	38	24	42	34	37	25	45	39	45	28	-
R0011	Residential	NCA03	34	39	43	39	25	43	36	38	27	45	38	44	31	-
R0012	Residential	NCA03	29	41	42	38	24	42	35	36	25	45	39	46	26	-
R0013	Residential	NCA03	29	39	42	38	23	42	34	36	25	39	37	44	26	-
R0014	Residential	NCA03	33	40	43	39	25	43	36	38	27	44	37	44	30	-
R0015	Residential	NCA03	30	40	42	38	23	42	34	36	24	45	39	46	27	-
R0016	Residential	NCA03	36	42	43	39	24	43	36	38	26	46	40	46	33	-
R0017	Residential	NCA03	34	38	42	38	24	42	35	36	25	43	35	42	31	-
R0018	Residential	NCA03	33	41	42	38	24	42	35	36	25	45	40	47	30	-
R0019	Residential	NCA03	33	39	43	39	25	43	35	37	27	44	37	44	30	-
R0020	Residential	NCA03	30	39	42	38	22	42	34	36	26	42	38	45	27	-
R0021	Residential	NCA03	32	41	43	39	25	42	35	37	25	45	38	44	29	-
R0022	Residential	NCA03	34	42	41	38	23	41	34	36	25	47	40	47	31	-
R0023	Residential	NCA03	33	39	43	39	25	43	36	38	27	44	37	43	30	-
R0024	Residential	NCA03	34	41	42	38	25	42	34	36	26	47	40	47	31	-
R0025	Residential	NCA03	32	42	43	39	24	43	35	37	26	42	40	46	29	-
R0026	Residential	NCA03	32	40	41	37	23	40	33	35	25	45	38	45	29	-
R0027	Residential	NCA03	35	40	41	37	23	40	34	36	25	46	39	46	32	-
R0028	Residential	NCA03	33	42	42	38	23	42	35	36	25	45	40	47	30	-
R0029	Residential	NCA03	32	40	41	38	24	42	33	35	24	46	38	45	29	-
R0030	Residential	NCA03	34	41	43	39	25	43	36	38	27	46	39	46	31	-
R0031	Residential	NCA03	32	40	43	39	25	43	35	37	26	41	39	46	29	-
R0032	Residential	NCA03	33	41	43	39	24	43	36	37	26	46	40	47	30	-
R0033	Residential	NCA03	31	40	41	37	22	41	33	34	24	44	38	44	28	-
R0034	Residential	NCA03	32	41	43	39	25	43	36	37	27	44	38	45	29	-
R0035	Residential	NCA03	34	41	40	36	21	40	34	36	25	46	39	46	31	-
R0036	Residential	NCA03	33	41	43	39	25	43	36	38	27	46	39	46	30	-
R0037	Residential	NCA03	34	41	43	39	26	44	36	38	27	46	38	45	31	-
R0038	Residential	NCA03	32	40	43	39	24	43	36	37	27	45	38	45	29	-
R0039	Residential	NCA03	32	40	41	37	23	41	33	35	23	45	39	46	29	-
R0040	Residential	NCA03	34	42	43	39	25	43	35	37	26	47	39	46	31	-
R0041	Residential	NCA03	34	43	42	38	22	42	34	36	25	43	40	47	31	-
R0042	Residential	NCA03	37	42	43	39	24	43	36	38	25	47	40	47	34	-
R0043	Residential	NCA03	34	41	44	40	25	44	36	38	27	47	39	46	31	-
R0044	Residential	NCA03	33	39	43	39	25	42	36	38	26	43	37	43	30	-
R0045	Residential	NCA03	31	39	43	40	25	43	36	37	27	43	36	43	28	-
R0046	Residential	NCA03	33	37	41	37	23	41	34	36	24	43	36	43	30	-
R0047	Residential	NCA03	33	41	44	40	24	43	36	38	27	46	39	46	30	-
R0048	Residential	NCA03	34	42	42	38	23	41	34	36	25	41	40	47	31	-
R0049	Residential	NCA03	31	39	41	37	23	40	34	35	24	44	39	46	28	-
R0050	Residential	NCA03	34	41	43	40	25	43	37	39	26	45	39	46	31	-
R0051	Residential	NCA03	33	37	41	38	24	41	35	36	25	44	34	42	30	-
R0052	Residential	NCA03	34	41	42	38	24	42	36	38	26	45	38	45	31	-
R0053	Residential	NCA03	33	41	43	39	25	43	35	37	25	47	40	47	30	-
R0054	Residential	NCA03	35	41	44	40	26	44	36	38	27	46	39	46	32	-
R0055	Residential	NCA03	35	40	42	38	24	42	34	36	25	47	39	46	32	-
R0056	Residential	NCA03	34	42	44	40	26	44	37	39	28	46	40	46	31	-
R0057	Residential	NCA03	34	41	43	39	24	43	36	38	27	46	40	47	31	-
R0058	Residential	NCA03	33	43	42	38	24	42	34	36	26	47	41	**48**	30	-
R0059	Residential	NCA03	33	40	43	39	24	43	36	38	26	44	39	45	30	-
R0060	Residential	NCA03	34	41	43	39	25	43	36	37	26	47	39	46	31	-
R0061	Residential	NCA03	33	42	43	39	25	42	36	38	27	46	40	46	30	-
R0062	Residential	NCA03	35	40	43	39	24	43	35	37	26	46	38	45	32	-
R0063	Residential	NCA03	35	40	43	39	25	43	36	38	26	46	39	46	32	-
R0064	Residential	NCA03	33	41	42	40	25	41	37	39	27	45	39	46	30	-
R0065	Residential	NCA03	35	42	43	39	24	43	36	38	26	46	40	47	32	-
R0066	Residential	NCA03	33	43	43	39	25	43	35	37	26	**48**	41	**48**	30	-
R0067	Residential	NCA03	35	43	42	38	23	41	35	37	25	47	41	**48**	32	-
R0068	Residential	NCA03	34	43	43	39	25	42	35	37	26	**48**	41	**48**	31	-
R0069	Residential	NCA03	33	42	44	40	25	44	37	38	27	47	40	46	30	-
R0070	Residential	NCA03	38	43	35	31	18	34	27	29	19	44	40	47	35	-
R0071	Residential	NCA03	33	41	41	37	23	41	34	36	25	46	39	46	30	-
R0072	Residential	NCA03	33	32	34	31	15	34	26	28	16	37	30	37	30	-
R0073	Residential	NCA03	33	34	38	33	19	37	29	31	21	42	32	39	30	-
R0074	Residential	NCA03	36	42	44	40	26	45	37	39	27	46	39	46	33	-
R0075	Residential	NCA03	36	43	45	41	26	45	38	40	27	**49**	41	**48**	33	-
R0076	Residential	NCA03	36	41	45	41	27	45	38	40	28	47	39	47	33	-
R0077	Residential	NCA03	35	42	44	40	25	44	38	39	27	47	39	47	32	-
R0078	Residential	NCA03	33	42	42	38	23	42	34	36	25	47	40	47	30	-
R0079	Residential	NCA03	31	38	41	37	23	41	33	35	25	43	39	45	28	-
R0080	Residential	NCA03	33	42	45	41	25	44	37	39	26	46	38	45	30	-
R0081	Residential	NCA03	36	43	46	42	27	45	38	40	28	**48**	40	46	33	-
R0082	Residential	NCA03	37	37	39	35	22	39	31	33	21	41	35	42	34	-
R0083	Residential	NCA03	30	37	42	38	24	41	35	37	26	41	34	41	27	-
R0084	Residential	NCA03	36	39	40	36	22	40	32	34	23	42	36	43	33	-
R0085	Residential	NCA03	36	42	43	39	25	43	35	37	26	47	39	46	33	-
R0086	Residential	NCA03	33	43	45	42	27	45	39	40	29	44	39	45	30	-
R0087	Residential	NCA03	32	39	42	38	24	42	35	36	25	46	39	46	29	-
R0088	Residential	NCA03	29	38	39	36	22	39	32	34	24	43	38	45	26	-
R0089	Residential	NCA03	34	42	43	39	24	43	35	37	26	47	39	46	31	-
R0090	Residential	NCA03	36	41	43	39	25	43	35	37	26	47	40	**48**	33	-
R0091	Residential	NCA03	33	42	44	41	25	45	37	39	27	45	40	47	30	-
R0092	Residential	NCA03	33	42	45	42	27	45	39	41	28	**48**	40	47	30	-
R0093	Residential	NCA03	33	42	43	40	23	42	37	38	27	46	40	47	30	-
R0094	Residential	NCA03	33	40	40	36	22	40	33	35	24	47	39	46	30	-
R0095	Residential	NCA03	34	43	44	40	25	44	36	38	27	47	41	**48**	31	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0096	Residential	NCA03	33	41	43	40	25	44	36	38	27	44	40	47	30	-
R0097	Residential	NCA03	35	42	43	40	25	43	37	38	26	47	40	47	32	-
R0098	Residential	NCA03	35	43	43	40	24	42	36	38	26	46	41	**48**	32	-
R0099	Residential	NCA03	34	43	43	40	25	44	36	38	27	46	40	47	31	-
R0100	Residential	NCA03	32	42	41	37	23	39	33	35	24	46	40	47	29	-
R0101	Residential	NCA03	35	42	41	37	23	41	34	36	25	46	39	47	32	-
R0102	Residential	NCA03	36	44	45	42	27	45	39	41	29	**49**	40	47	33	-
R0103	Residential	NCA03	36	40	43	39	25	43	36	37	26	47	38	45	33	-
R0104	Residential	NCA03	33	40	42	38	24	42	34	36	26	47	39	46	30	-
R0105	Residential	NCA03	34	43	44	41	25	44	38	39	27	47	41	**48**	31	-
R0106	Residential	NCA03	35	43	44	40	25	44	36	38	26	46	41	**48**	32	-
R0107	Residential	NCA03	35	42	42	38	24	41	34	36	25	47	40	47	32	-
R0108	Residential	NCA03	37	43	45	41	26	45	38	40	28	**48**	40	46	34	-
R0109	Residential	NCA03	39	42	43	39	24	41	36	37	25	46	40	47	36	-
R0110	Residential	NCA03	30	38	43	39	25	43	36	37	27	42	35	42	27	-
R0111	Residential	NCA03	34	43	46	42	27	46	39	41	28	47	41	**48**	31	-
R0112	Residential	NCA03	35	42	45	41	25	45	37	39	28	**48**	40	47	32	-
R0113	Residential	NCA03	34	35	41	37	24	41	33	35	22	42	34	41	31	-
R0114	Residential	NCA03	38	44	43	40	24	43	37	39	26	**48**	41	**48**	35	-
R0115	Residential	NCA03	37	43	43	39	25	42	36	38	26	**48**	41	**48**	34	-
R0116	Residential	NCA03	36	43	45	41	26	43	38	40	28	47	40	47	33	-
R0117	Residential	NCA03	35	43	44	41	26	44	37	39	28	**48**	41	47	32	-
R0118	Residential	NCA03	35	41	42	38	24	41	35	36	26	45	40	47	32	-
R0119	Residential	NCA03	32	42	42	38	24	42	35	37	26	45	41	**48**	29	-
R0120	Residential	NCA03	35	42	44	41	25	44	38	40	28	47	41	**48**	32	-
R0121	Residential	NCA03	32	43	45	41	26	45	37	39	27	44	40	**48**	29	-
R0122	Residential	NCA03	34	40	41	37	23	40	34	36	24	43	38	43	31	-
R0123	Residential	NCA03	35	41	44	40	26	44	37	39	28	**49**	40	47	32	-
R0124	Residential	NCA03	36	44	44	41	25	44	37	39	28	**49**	41	47	33	-
R0125	Residential	NCA03	35	41	44	40	25	44	37	38	27	47	38	46	32	-
R0126	Residential	NCA03	38	46	46	43	27	47	39	41	29	**48**	42	**49**	35	-
R0127	Residential	NCA03	37	42	46	42	27	45	38	40	29	**49**	40	47	34	-
R0128	Residential	NCA03	34	43	44	40	25	43	37	39	26	**48**	40	47	31	-
R0129	Residential	NCA03	35	39	41	37	23	40	34	36	25	45	39	46	32	-
R0130	Residential	NCA03	35	43	45	41	26	43	37	39	27	46	41	**48**	32	-
R0131	Residential	NCA03	35	43	44	41	25	44	37	39	28	47	41	**48**	32	-
R0132	Residential	NCA03	35	43	44	40	25	44	37	39	27	**48**	40	47	32	-
R0133	Residential	NCA03	35	44	43	39	25	43	36	38	27	**49**	41	**48**	32	-
R0134	Residential	NCA03	41	46	47	44	28	**48**	40	42	30	**49**	42	**49**	38	-
R0135	Residential	NCA03	33	42	41	38	23	40	34	36	25	43	39	46	30	-
R0136	Residential	NCA03	39	44	43	39	25	42	35	37	25	47	40	47	36	-
R0137	Residential	NCA03	36	44	45	41	26	44	38	40	28	**48**	40	**48**	33	-
R0138	Residential	NCA03	38	44	46	42	27	46	39	41	29	**48**	41	47	35	-
R0139	Residential	NCA03	35	45	45	41	26	45	38	40	27	47	42	**49**	32	-
R0140	Residential	NCA03	41	46	**49**	44	28	**50**	41	43	30	**49**	42	**49**	38	-
R0141	Residential	NCA03	36	44	44	40	25	43	36	38	27	**49**	41	**48**	33	-
R0142	Residential	NCA03	38	43	43	39	25	42	36	38	27	**48**	42	**49**	35	-
R0143	Residential	NCA03	35	44	44	40	25	44	36	38	27	**48**	42	**49**	32	-
R0144	Residential	NCA03	38	45	47	43	27	46	39	41	29	**48**	42	**48**	35	-
R0145	Residential	NCA03	30	36	41	37	22	39	33	35	24	40	33	39	27	-
R0146	Residential	NCA03	37	44	**49**	45	28	**48**	40	42	32	**48**	41	**48**	34	-
R0147	Residential	NCA03	30	34	35	31	17	35	28	30	18	37	32	39	27	-
R0148	Residential	NCA03	33	41	42	38	24	42	35	36	26	**48**	41	47	30	-
R0149	Residential	NCA03	36	43	45	41	26	44	38	40	28	**48**	41	**48**	33	-
R0150	Residential	NCA03	39	42	41	37	23	40	33	36	25	45	39	46	36	-
R0151	Residential	NCA03	35	44	43	39	24	43	36	38	26	**49**	42	**49**	32	-
R0152	Residential	NCA03	41	46	**49**	43	28	**49**	41	43	30	**51**	42	**49**	38	-
R0153	Residential	NCA03	32	43	46	42	26	46	39	41	28	**48**	40	47	29	-
R0154	Residential	NCA03	33	43	41	37	24	41	34	36	25	47	41	**48**	30	-
R0155	Residential	NCA03	37	41	40	36	23	40	33	35	24	42	39	44	34	-
R0156	Residential	NCA03	34	44	44	40	24	42	36	38	26	47	42	**48**	31	-
R0157	Residential	NCA03	39	45	44	40	25	42	36	38	25	**48**	41	**49**	36	-
R0158	Residential	NCA03	35	42	45	41	26	45	38	39	28	**49**	40	47	32	-
R0159	Residential	NCA03	36	43	44	39	26	43	36	38	27	**49**	41	**48**	33	-
R0160	Residential	NCA03	35	43	45	41	26	45	38	40	28	**48**	41	**48**	32	-
R0161	Residential	NCA03	36	43	45	41	26	45	37	39	28	**48**	41	**48**	33	-
R0162	Residential	NCA03	37	40	40	36	22	39	33	35	23	43	39	46	34	-
R0163	Residential	NCA03	36	42	44	40	26	44	38	39	28	**48**	41	**48**	33	-
R0164	Residential	NCA03	36	44	43	39	25	42	36	38	27	**49**	42	**49**	33	-
R0165	Residential	NCA03	33	43	44	40	25	44	37	39	27	**48**	41	**48**	30	-
R0166	Residential	NCA03	37	43	45	41	26	45	38	40	28	**49**	41	**48**	34	-
R0167	Residential	NCA03	39	44	43	39	25	42	36	38	26	**48**	42	**49**	36	-
R0168	Residential	NCA03	35	43	45	41	26	45	37	40	28	47	41	**48**	32	-
R0169	Residential	NCA03	35	44	44	40	25	44	37	38	27	46	42	**48**	32	-
R0170	Residential	NCA03	41	46	**49**	43	28	**50**	41	43	30	**51**	43	**50**	38	-
R0171	Residential	NCA03	35	46	42	38	23	42	34	36	24	**49**	43	**50**	32	-
R0172	Residential	NCA03	34	44	43	40	24	42	37	38	27	46	42	**49**	31	-
R0173	Residential	NCA03	38	45	42	39	24	42	35	37	26	**48**	42	**49**	35	-
R0174	Residential	NCA03	41	46	**49**	45	28	**49**	41	43	33	**51**	43	**50**	38	-
R0175	Residential	NCA03	37	40	40	37	23	38	34	35	24	45	40	47	34	-
R0176	Residential	NCA03	35	42	43	39	25	43	36	37	26	**48**	39	46	32	-
R0177	Residential	NCA03	41	46	**49**	45	28	**49**	41	43	32	**50**	43	**49**	38	-
R0178	Residential	NCA03	30	44	45	42	26	46	39	41	27	42	40	47	27	-
R0179	Residential	NCA01	33	41	47	43	30	47	39	41	31	45	38	45	30	-
R0180	Residential	NCA03	35	44	44	40	25	44	36	38	27	**48**	41	46	32	-
R0181	Residential	NCA03	36	43	42	38	24	41	34	36	26	46	40	46	33	-
R0182	Residential	NCA03	39	46	**49**	45	29	**48**	41	43	32	**50**	42	**49**	36	-
R0183	Residential	NCA03	34	44	44	40	25	43	37	38	27	47	42	**49**	31	-
R0184	Residential	NCA03	34	45	45	41	25	45	38	40	28	46	43	**50**	31	-
R0185	Residential	NCA03	35	43	**48**	43	27	47	39	41	31	45	41	**48**	32	-
R0186	Residential	NCA01	33	42	47	44	29	47	39	41	29	45	39	46	30	-
R0187	Residential	NCA03	37	44	46	43	27	**48**	40	42	29	**50**	42	**49**	34	-
R0188	Residential	NCA03	37	45	46	43	27	46	40	43	29	**50**	42	**49**	34	-
R0189	Residential	NCA01	35	44	**50**	46	31	**50**	41	43	32	46	41	48	32	-
R0190	Residential	NCA03	38	43	43	40	25	43	37	39	27	**49**	42	**50**	35	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0191	Residential	NCA03	37	45	46	42	27	46	39	41	29	**50**	43	**49**	34	-
R0192	Residential	NCA01	33	41	47	43	29	47	39	40	30	44	38	45	30	-
R0193	Residential	NCA03	36	45	44	40	26	43	36	38	28	**49**	43	**50**	33	-
R0194	Residential	NCA03	41	**48**	44	41	25	43	37	39	27	**50**	45	**49**	38	-
R0195	Residential	NCA03	37	46	46	42	27	46	38	40	29	**50**	43	**49**	34	-
R0196	Residential	NCA01	33	41	47	43	29	47	39	40	29	44	38	45	30	-
R0197	Residential	NCA03	38	47	**48**	45	29	**48**	41	43	31	**51**	43	**50**	35	-
R0198	Residential	NCA03	33	41	42	39	25	41	35	37	26	**48**	39	47	30	-
R0199	Residential	NCA03	37	45	47	43	27	**49**	41	43	29	**50**	42	**49**	34	-
R0200	Residential	NCA03	38	45	43	40	25	43	37	39	28	**49**	42	**49**	35	-
R0201	Residential	NCA01	33	41	47	44	30	47	39	41	29	44	39	46	30	-
R0202	Residential	NCA03	38	46	**50**	46	28	**50**	41	44	30	**51**	43	**50**	35	-
R0203	Residential	NCA03	36	44	44	40	25	44	37	38	27	**49**	42	**49**	33	-
R0204	Residential	NCA01	33	43	48	45	30	48	39	40	30	44	40	46	30	-
R0205	Residential	NCA03	37	44	46	43	27	**48**	40	42	29	**50**	42	**48**	34	-
R0206	Residential	NCA01	34	42	47	44	29	48	40	41	30	45	39	46	31	-
R0207	Residential	NCA03	37	44	46	43	27	46	40	41	29	47	40	47	34	-
R0208	Residential	NCA03	35	45	44	40	25	43	36	38	27	**49**	43	**50**	32	-
R0209	Residential	NCA01	34	42	47	44	30	47	40	42	31	45	39	46	31	-
R0210	Residential	NCA03	37	43	45	43	27	**48**	40	42	30	**50**	41	**48**	34	-
R0211	Residential	NCA03	36	42	42	38	24	41	35	37	26	**48**	40	46	33	-
R0212	Residential	NCA01	34	43	48	45	30	48	39	41	30	45	40	47	31	-
R0213	Residential	NCA03	35	45	44	40	23	42	37	38	27	**48**	43	**50**	32	-
R0214	Residential	NCA01	34	42	48	45	29	48	40	42	30	45	39	46	31	-
R0215	Residential	NCA03	36	42	46	43	27	**48**	40	42	30	**48**	40	47	33	-
R0216	Residential	NCA01	36	44	**49**	46	31	**49**	41	43	31	47	41	47	33	-
R0217	Residential	NCA03	34	42	42	39	25	42	35	37	26	**49**	40	47	31	-
R0218	Medical facility	NCA03	31	36	37	33	20	36	29	31	21	38	33	40	28	-
R0219	Residential	NCA01	33	41	48	44	28	47	38	40	29	44	39	46	30	-
R0220	Residential	NCA03	36	41	46	42	27	46	38	40	28	47	39	46	33	-
R0221	Residential	NCA01	32	42	48	44	28	48	38	40	29	43	39	45	29	-
R0222	Residential	NCA03	38	44	43	40	25	42	37	39	28	**48**	42	**48**	35	-
R0223	Residential	NCA03	41	46	**49**	45	28	**48**	41	43	30	**50**	43	**50**	38	-
R0224	Residential	NCA03	33	43	42	38	24	41	34	36	25	47	41	**48**	30	-
R0225	Residential	NCA01	35	43	**49**	46	31	**49**	40	42	31	45	40	47	32	-
R0226	Residential	NCA03	37	45	44	40	26	44	37	39	28	47	42	**49**	34	-
R0227	Residential	NCA03	36	45	45	41	27	45	38	40	28	47	43	**50**	33	-
R0228	Residential	NCA03	37	44	41	37	23	40	34	35	25	47	41	**48**	34	-
R0229	Residential	NCA03	34	44	42	39	24	42	36	38	27	**48**	43	**49**	31	-
R0230	Residential	NCA03	35	43	43	39	26	43	36	38	27	**50**	42	**48**	32	-
R0231	Residential	NCA01	33	42	48	44	30	48	39	41	30	44	39	46	30	-
R0232	Medical facility	NCA03	37	40	40	37	22	39	33	35	24	45	39	46	34	-
R0233	Residential	NCA01	33	41	48	44	28	48	39	41	30	45	39	46	30	-
R0234	Residential	NCA01	32	42	48	44	30	48	39	41	30	43	39	46	29	-
R0235	Residential	NCA01	34	42	48	45	30	48	39	41	31	45	39	46	31	-
R0236	Residential	NCA03	37	45	44	40	25	44	37	39	28	**49**	43	**50**	34	-
R0237	Residential	NCA03	42	47	**50**	45	29	**48**	41	43	30	**51**	43	**50**	39	-
R0238	Residential	NCA01	34	43	48	44	30	48	39	41	31	45	39	46	31	-
R0239	Residential	NCA03	35	41	43	39	25	42	36	38	27	**48**	39	46	32	-
R0240	Residential	NCA01	33	42	48	44	29	48	39	40	29	44	39	46	30	-
R0241	Residential	NCA01	31	40	46	42	29	46	37	39	27	43	37	44	28	-
R0242	Residential	NCA03	33	41	42	38	24	40	35	36	26	46	41	46	30	-
R0243	Residential	NCA01	35	44	**50**	46	31	**50**	42	44	32	46	41	48	32	-
R0244	Residential	NCA01	33	41	47	43	28	47	39	41	29	44	38	45	30	-
R0245	Residential	NCA01	32	42	48	45	30	48	38	40	29	44	39	47	29	-
R0246	Residential	NCA03	35	43	43	39	25	41	36	37	26	**49**	41	**48**	32	-
R0247	Residential	NCA01	33	42	**49**	45	29	**49**	39	41	30	44	40	46	30	-
R0248	Residential	NCA01	32	41	47	43	28	47	38	39	27	44	38	45	29	-
R0249	Residential	NCA03	39	**48**	**50**	44	28	**48**	41	43	30	**51**	45	**50**	36	-
R0250	Residential	NCA01	35	44	**50**	46	31	**50**	41	43	32	46	41	48	32	-
R0251	Residential	NCA01	35	44	**50**	46	31	**50**	41	43	32	46	41	48	32	-
R0252	Residential	NCA03	36	43	42	39	24	42	35	37	26	**49**	40	47	33	-
R0253	Medical facility	NCA03	41	44	41	37	24	41	34	36	25	48	42	49	38	-
R0254	Residential	NCA03	36	45	45	41	26	45	37	39	28	**50**	43	**50**	33	-
R0255	Residential	NCA01	33	43	**49**	45	30	**49**	39	41	31	45	40	47	30	-
R0256	Residential	NCA01	29	39	46	42	27	46	34	35	23	41	37	44	26	-
R0257	Medical facility	NCA03	42	45	43	39	25	42	36	37	26	48	42	49	39	-
R0258	Residential	NCA03	36	45	44	40	26	43	37	39	28	47	44	**50**	33	-
R0259	Residential	NCA03	40	**48**	**48**	44	29	**48**	40	42	31	**51**	44	**51**	37	-
R0260	Residential	NCA01	36	43	**49**	46	30	**49**	41	43	31	48	41	47	33	-
R0261	Residential	NCA01	34	42	48	45	29	48	40	42	31	45	39	46	31	-
R0262	Residential	NCA03	38	47	47	44	29	**48**	40	42	31	**51**	43	**50**	35	-
R0263	Residential	NCA03	35	43	44	40	26	43	37	39	28	**49**	43	**50**	32	-
R0264	Residential	NCA01	34	43	48	45	30	**49**	40	42	30	45	40	47	31	-
R0265	Residential	NCA01	31	39	45	41	28	45	37	39	24	42	36	43	28	-
R0266	Residential	NCA01	32	40	47	43	29	47	37	39	28	43	38	45	29	-
R0267	Residential	NCA01	34	43	48	45	30	48	40	42	31	45	40	46	31	-
R0268	Residential	NCA03	35	42	43	39	25	42	36	38	27	**49**	41	**48**	32	-
R0269	Residential	NCA03	31	45	42	38	25	41	35	37	26	46	42	**49**	28	-
R0270	Residential	NCA01	34	43	**49**	46	31	**49**	40	42	31	45	41	47	31	-
R0271	Residential	NCA01	35	44	**50**	46	31	**50**	41	43	31	47	41	48	32	-
R0272	Residential	NCA01	34	44	**50**	46	31	**49**	40	42	30	46	41	47	31	-
R0273	Residential	NCA01	36	43	**50**	46	31	**49**	41	43	32	47	41	48	33	-
R0274	Residential	NCA03	35	40	43	39	25	42	35	37	26	47	37	44	32	-
R0275	Residential	NCA03	34	38	33	31	16	33	27	29	18	41	36	43	31	-
R0276	Residential	NCA01	35	44	**50**	46	31	**49**	41	43	32	46	41	48	32	-
R0277	Educational institute	NCA03	37	46	46	43	28	46	40	41	30	50	44	51	34	-
R0278	Residential	NCA01	32	41	48	44	30	47	38	40	29	43	39	46	29	-
R0279	Residential	NCA03	39	45	39	36	22	39	32	34	23	46	42	**49**	36	-
R0280	Residential	NCA03	35	41	43	40	26	43	37	39	28	**49**	40	47	32	-
R0281	Medical facility	NCA03	40	42	39	36	22	39	32	34	23	45	39	46	37	-
R0282	Residential	NCA03	38	45	37	35	20	37	31	33	23	42	42	**49**	35	-
R0283	Residential	NCA01	35	44	**50**	46	31	**50**	40	42	31	45	41	**49**	32	-
R0284	Residential	NCA01	36	44	**50**	46	32	**49**	42	44	33	48	41	48	33	-
R0285	Residential	NCA01	37	45	**51**	48	33	**50**	44	46	35	48	42	**49**	34	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0286	Residential	NCA01	30	40	46	42	29	47	36	38	24	41	37	44	27	-
R0287	Medical facility	NCA03	39	41	39	36	22	39	33	34	23	46	39	46	36	-
R0288	Residential	NCA03	37	47	44	40	26	44	37	39	28	**51**	44	**51**	34	-
R0289	Residential	NCA03	42	44	43	39	25	43	36	38	27	**48**	41	**48**	39	-
R0290	Residential	NCA03	36	44	44	41	26	44	37	39	28	**50**	43	**50**	33	-
R0291	Educational institute	NCA03	38	43	45	42	26	45	39	40	28	49	40	47	35	-
R0292	Residential	NCA01	35	44	**50**	46	31	**50**	40	43	31	46	41	48	32	-
R0293	Residential	NCA03	32	35	40	36	21	39	31	33	23	40	33	39	29	-
R0294	Residential	NCA03	41	46	44	40	26	44	37	38	27	**49**	43	**50**	38	-
R0295	Residential	NCA01	36	44	**50**	46	31	**50**	41	43	31	47	41	47	33	-
R0296	Residential	NCA01	31	39	46	42	28	45	37	39	24	40	36	43	28	-
R0297	Residential	NCA01	30	40	46	42	28	46	37	38	24	41	38	44	27	-
R0298	Residential	NCA03	36	46	42	38	24	41	34	36	25	**48**	43	**50**	33	-
R0299	Residential	NCA01	34	43	**49**	45	30	**49**	39	41	30	44	40	47	31	-
R0300	Residential	NCA01	30	39	47	43	29	46	37	38	25	42	37	44	27	-
R0301	Residential	NCA01	33	41	47	44	29	47	39	41	31	45	39	46	30	-
R0302	Educational institute	NCA03	38	47	46	42	28	46	38	40	30	50	45	52	35	-
R0303	Residential	NCA01	32	41	47	43	28	47	39	40	28	42	38	45	29	-
R0304	Residential	NCA01	33	41	47	44	28	47	39	41	29	44	39	46	30	-
R0305	Residential	NCA03	36	43	44	41	26	43	37	39	28	**50**	42	**49**	33	-
R0306	Residential	NCA01	33	42	47	44	29	47	39	41	30	44	39	46	30	-
R0307	Residential	NCA01	33	42	48	44	29	48	39	41	30	44	39	46	30	-
R0308	Residential	NCA03	35	45	43	39	25	42	36	38	27	**49**	43	**50**	32	-
R0309	Residential	NCA01	38	45	**51**	47	33	**49**	43	45	34	**49**	42	**49**	35	-
R0310	Residential	NCA01	29	36	44	40	25	43	34	35	22	40	33	41	26	-
R0311	Residential	NCA03	34	42	38	34	22	38	31	33	23	44	40	46	31	-
R0312	Educational institute	NCA03	38	44	46	43	27	46	40	41	30	50	41	48	35	-
R0313	Residential	NCA01	30	40	47	43	29	47	36	37	26	42	38	45	27	-
R0314	Residential	NCA03	38	46	46	41	28	45	38	40	28	**50**	45	**52**	35	-
R0315	Residential	NCA03	41	45	41	37	24	40	34	36	25	47	42	**49**	38	-
R0316	Residential	NCA01	33	44	**50**	46	32	**50**	41	43	31	46	41	48	30	-
R0317	Residential	NCA03	34	35	39	35	21	38	32	34	23	42	34	40	31	-
R0318	Residential	NCA01	33	43	**49**	45	31	**49**	40	42	31	45	40	47	30	-
R0319	Residential	NCA01	37	46	**51**	48	33	**50**	43	45	34	48	43	**50**	34	-
R0320	Residential	NCA01	33	42	48	44	29	48	39	40	30	44	39	46	30	-
R0321	Residential	NCA03	34	44	42	38	24	41	35	37	26	**48**	44	**50**	31	-
R0322	Medical facility	NCA03	36	40	40	37	23	39	33	35	23	43	39	46	33	-
R0323	Residential	NCA03	35	43	44	40	26	43	37	38	28	**50**	42	**48**	32	-
R0324	Residential	NCA01	37	45	**51**	48	33	**52**	43	45	34	47	43	**49**	34	-
R0325	Residential	NCA03	35	43	43	39	25	42	36	38	27	**49**	42	**50**	32	-
R0326	Residential	NCA01	34	43	**49**	46	31	**49**	40	43	31	46	41	47	31	-
R0327	Residential	NCA01	38	46	**51**	47	33	**50**	43	45	34	**49**	42	**49**	35	-
R0328	Residential	NCA01	36	45	**50**	47	32	**50**	42	44	32	47	42	48	33	-
R0329	Educational institute	NCA03	38	46	48	44	29	48	42	44	30	51	43	50	35	-
R0330	Residential	NCA03	39	43	42	38	24	41	35	37	26	47	41	**48**	36	-
R0331	Residential	NCA01	38	46	**52**	48	34	**51**	44	45	35	**49**	43	**50**	35	-
R0332	Residential	NCA01	36	44	**50**	46	32	**50**	42	44	32	47	41	48	33	-
R0333	Residential	NCA03	34	44	42	38	24	41	35	37	26	**48**	42	**49**	31	-
R0334	Residential	NCA01	36	44	**51**	47	32	**50**	41	43	32	48	42	**49**	33	-
R0335	Residential	NCA03	38	45	42	38	24	41	33	35	24	45	42	**48**	35	-
R0336	Residential	NCA01	34	44	**50**	46	31	**50**	40	42	31	45	41	48	31	-
R0337	Residential	NCA01	33	42	**49**	45	31	**49**	40	42	31	45	40	47	30	-
R0338	Residential	NCA01	30	39	45	41	27	46	36	38	25	41	36	43	27	-
R0339	Residential	NCA01	38	46	**51**	47	33	**51**	43	45	34	**50**	43	**49**	35	-
R0340	Educational institute	NCA03	40	47	49	45	30	49	42	44	32	53	46	52	37	-
R0341	Residential	NCA01	34	43	**49**	45	30	**49**	40	42	31	45	40	47	31	-
R0342	Residential	NCA01	31	41	47	43	27	47	36	37	23	42	38	45	28	-
R0343	Residential	NCA01	35	45	**51**	47	32	**51**	42	44	33	47	42	48	32	-
R0344	Residential	NCA01	31	40	46	43	26	46	38	40	28	42	37	44	28	-
R0345	Residential	NCA01	36	45	**50**	46	31	**50**	42	44	32	47	41	48	33	-
R0346	Residential	NCA03	34	43	40	37	22	39	33	34	22	44	40	47	31	-
R0347	Residential	NCA01	29	41	48	44	30	47	35	37	25	42	38	45	26	-
R0348	Residential	NCA01	34	43	**49**	45	31	**49**	39	41	29	46	40	47	31	-
R0349	Residential	NCA01	36	45	**51**	47	32	**50**	41	43	32	48	42	**49**	33	-
R0350	Residential	NCA03	33	40	38	35	21	37	31	33	22	44	40	46	30	-
R0351	Medical facility	NCA03	45	43	40	36	22	39	33	34	24	46	40	47	42	-
R0352	Residential	NCA03	37	38	41	37	23	40	34	36	24	44	35	42	34	-
R0353	Residential	NCA03	35	43	43	39	25	43	36	38	27	**49**	43	**49**	32	-
R0354	Residential	NCA03	37	46	45	41	27	45	38	39	29	**51**	44	**51**	34	-
R0355	Residential	NCA03	37	46	45	42	27	45	38	40	29	**51**	45	**51**	34	-
R0356	Residential	NCA01	32	42	48	44	29	48	38	40	28	43	39	46	29	-
R0357	Medical facility	NCA03	41	43	42	38	24	41	34	36	25	46	41	48	38	-
R0358	Residential	NCA01	33	42	**49**	45	29	48	38	40	29	43	40	47	30	-
R0359	Residential	NCA03	44	**50**	44	40	26	43	37	39	27	**50**	47	**52**	41	-
R0360	Residential	NCA01	33	42	**49**	45	29	48	39	41	30	44	39	46	30	-
R0361	Residential	NCA03	42	42	41	37	23	40	34	36	23	46	41	**48**	39	-
R0362	Residential	NCA03	34	41	42	39	25	41	35	37	26	**49**	39	46	31	-
R0363	Educational institute	NCA03	39	48	47	43	29	47	40	42	30	52	45	52	36	-
R0364	Residential	NCA03	35	45	43	39	25	43	36	38	27	**49**	43	**50**	32	-
R0365	Residential	NCA01	36	45	**51**	47	32	**50**	42	44	32	47	42	**49**	33	-
R0366	Residential	NCA01	36	45	**51**	47	32	**51**	42	45	33	47	43	**49**	33	-
R0367	Residential	NCA03	35	45	43	39	25	42	36	38	27	**48**	44	**51**	32	-
R0368	Residential	NCA01	30	40	48	44	30	48	33	35	21	41	38	45	27	-
R0369	Residential	NCA03	35	47	43	39	25	43	36	37	27	**49**	41	**48**	32	-
R0370	Residential	NCA01	31	41	48	44	30	48	37	39	29	43	39	46	28	-
R0371	Residential	NCA01	33	41	47	44	28	47	40	41	30	44	38	45	30	-
R0372	Commercial	NCA03	44	43	41	38	24	40	34	36	25	46	40	47	41	-
R0373	Residential	NCA01	30	38	45	41	25	44	36	38	24	40	35	42	27	-
R0374	Residential	NCA01	34	43	**49**	45	31	**49**	40	43	31	47	40	47	31	-
R0375	Residential	NCA03	33	44	42	38	23	41	34	36	24	44	41	**48**	30	-
R0376	Residential	NCA03	41	47	41	38	24	41	34	36	25	43	43	**49**	38	-
R0377	Residential	NCA03	37	45	44	41	26	43	37	39	28	**51**	44	**51**	34	-
R0378	Residential	NCA01	40	45	48	44	28	48	41	44	33	**51**	42	**49**	37	-
R0379	Residential	NCA03	35	45	41	37	24	41	34	36	26	**50**	43	**49**	32	-
R0380	Residential	NCA01	36	46	**51**	48	33	**52**	43	45	34	47	43	**49**	33	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0381	Residential	NCA03	41	46	41	38	24	40	34	36	25	**48**	43	**50**	38	-
R0382	Residential	NCA01	35	43	**49**	45	31	**49**	39	41	29	44	40	48	32	-
R0383	Residential	NCA01	40	46	**50**	46	31	**49**	43	45	34	**52**	43	**50**	37	-
R0384	Residential	NCA01	39	44	48	44	27	48	42	44	33	**50**	41	48	36	-
R0385	Residential	NCA03	37	47	45	41	27	44	38	40	28	**51**	45	**52**	34	-
R0386	Residential	NCA01	34	43	48	45	29	48	40	42	30	45	40	47	31	-
R0387	Residential	NCA01	36	45	**51**	47	33	**51**	41	43	31	48	42	**49**	33	-
R0388	Residential	NCA01	38	44	48	44	28	48	42	44	33	**50**	41	48	35	-
R0389	Residential	NCA01	35	42	**49**	44	28	48	39	41	28	47	39	46	32	-
R0390	Residential	NCA01	35	44	**50**	46	32	**50**	39	42	31	46	41	48	32	-
R0391	Residential	NCA03	36	44	43	40	26	44	37	39	28	**51**	43	**50**	33	-
R0392	Residential	NCA03	35	42	43	39	25	43	36	38	27	**49**	40	47	32	-
R0393	Residential	NCA01	36	44	**50**	47	32	**50**	41	43	31	48	41	**49**	33	-
R0394	Residential	NCA01	30	39	45	42	28	46	36	38	26	42	37	44	27	-
R0395	Residential	NCA03	42	43	40	37	23	40	34	35	24	47	41	**48**	39	-
R0396	Residential	NCA01	35	44	**50**	46	33	48	42	44	34	47	41	48	32	-
R0397	Residential	NCA01	33	39	46	41	25	45	36	39	28	44	36	44	30	-
R0398	Residential	NCA03	43	43	39	36	22	39	32	34	20	46	41	47	40	-
R0399	Residential	NCA01	37	44	**50**	46	30	**49**	41	43	30	**49**	41	48	34	-
R0400	Residential	NCA03	43	45	40	37	23	40	34	35	24	47	42	**49**	40	-
R0401	Residential	NCA01	37	44	48	45	28	48	42	44	33	**49**	40	47	34	-
R0402	Residential	NCA01	39	45	**49**	45	29	48	42	44	33	**50**	42	**49**	36	-
R0403	Residential	NCA01	35	43	**49**	46	31	**49**	41	43	32	46	41	48	32	-
R0404	Residential	NCA01	37	45	**50**	46	30	**49**	42	44	33	**49**	41	48	34	-
R0405	Residential	NCA01	35	46	**52**	48	33	**51**	42	44	32	46	43	**49**	32	-
R0406	Residential	NCA03	44	43	40	37	22	39	34	35	23	46	41	47	41	-
R0407	Residential	NCA01	31	42	**49**	45	31	**49**	38	40	29	43	40	46	28	-
R0408	Residential	NCA03	37	45	44	40	26	44	37	39	28	**51**	43	**50**	34	-
R0409	Residential	NCA01	37	45	**50**	46	28	**49**	43	44	33	**49**	42	**49**	34	-
R0410	Residential	NCA01	35	43	**49**	46	31	**49**	41	43	32	46	41	48	32	-
R0411	Residential	NCA01	35	45	**51**	48	33	**51**	42	44	32	47	43	**50**	32	-
R0412	Residential	NCA01	34	43	**49**	45	31	**49**	40	42	31	45	41	48	31	-
R0413	Residential	NCA01	38	46	**51**	48	34	**51**	44	46	35	**50**	43	**50**	35	-
R0414	Residential	NCA01	36	45	**51**	47	32	**51**	42	44	32	47	43	**49**	33	-
R0415	Residential	NCA01	29	37	44	39	24	43	35	37	21	41	34	41	26	-
R0416	Residential	NCA03	36	47	44	40	26	43	37	39	27	**49**	44	**52**	33	-
R0417	Residential	NCA01	39	46	**50**	48	33	**50**	44	46	34	**49**	43	**50**	36	-
R0418	Residential	NCA01	39	44	**49**	46	29	**50**	41	43	33	**50**	41	48	36	-
R0419	Residential	NCA01	36	45	**50**	47	32	**51**	42	44	33	48	42	**49**	33	-
R0420	Residential	NCA01	34	45	**51**	47	32	**50**	40	42	31	46	42	48	31	-
R0421	Residential	NCA03	38	47	45	42	27	45	38	40	29	**51**	45	**52**	35	-
R0422	Residential	NCA01	39	46	**50**	46	29	**49**	42	44	33	**50**	42	**49**	36	-
R0423	Residential	NCA01	38	46	**49**	45	30	**49**	42	44	34	**50**	43	**49**	35	-
R0424	Residential	NCA03	36	46	44	40	26	43	37	39	28	**52**	44	**51**	33	-
R0425	Residential	NCA03	39	47	44	41	26	43	37	39	28	**51**	45	**52**	36	-
R0426	Residential	NCA03	36	45	44	40	26	43	37	39	28	**49**	43	**50**	33	-
R0427	Residential	NCA01	37	44	**50**	46	31	**50**	41	43	32	**49**	41	48	34	-
R0428	Residential	NCA01	35	43	**49**	45	29	**49**	40	42	31	46	40	48	32	-
R0429	Residential	NCA01	34	44	**51**	47	33	**50**	41	43	31	45	41	48	31	-
R0430	Residential	NCA01	34	43	**49**	45	30	**49**	40	42	31	45	41	48	31	-
R0431	Residential	NCA03	44	44	40	37	23	40	33	35	24	**48**	42	**49**	41	-
R0432	Residential	NCA03	42	44	42	39	24	42	35	37	26	**48**	41	**48**	39	-
R0433	Residential	NCA01	30	38	43	40	24	43	36	38	24	41	34	41	27	-
R0434	Residential	NCA01	38	47	**52**	48	34	**51**	44	46	35	**50**	43	**50**	35	-
R0435	Residential	NCA01	27	38	44	41	28	45	34	36	22	38	35	43	24	-
R0436	Residential	NCA03	42	**48**	43	39	25	42	36	38	27	**50**	45	**52**	39	-
R0437	Residential	NCA01	37	46	**49**	46	31	47	44	46	33	**49**	42	**49**	34	-
R0438	Active recreation	NCA03	41	49	48	46	30	48	43	45	32	53	46	53	38	-
R0439	Educational institute	NCA03	40	48	48	45	30	48	41	43	32	53	46	53	37	-
R0440	Residential	NCA03	43	44	42	38	24	41	35	37	26	**48**	42	**49**	40	-
R0441	Residential	NCA03	34	45	42	38	25	41	35	37	26	**50**	45	**52**	31	-
R0442	Residential	NCA01	37	45	**50**	46	31	**50**	42	44	33	48	41	48	34	-
R0443	Residential	NCA03	36	44	44	40	26	44	37	38	28	**51**	43	**50**	33	-
R0444	Residential	NCA01	32	41	48	45	30	48	38	40	29	43	39	46	29	-
R0445	Residential	NCA01	34	44	**50**	46	32	48	42	44	33	44	41	48	31	-
R0446	Residential	NCA03	36	45	44	40	26	44	36	38	28	**49**	44	**51**	33	-
R0447	Residential	NCA01	38	45	**50**	46	29	**50**	43	44	34	**50**	43	**50**	35	-
R0448	Residential	NCA03	37	45	45	41	27	44	38	40	28	**51**	44	**51**	34	-
R0449	Residential	NCA01	29	35	43	39	24	42	33	35	20	40	33	40	26	-
R0450	Residential	NCA03	41	46	41	37	23	40	34	36	23	**48**	43	**50**	38	-
R0451	Residential	NCA03	36	44	44	40	26	44	37	39	28	**51**	43	**50**	33	-
R0452	Residential	NCA03	42	**49**	44	40	27	44	38	39	28	**51**	46	**53**	39	-
R0453	Residential	NCA01	29	39	47	43	27	46	34	36	24	40	37	43	26	-
R0454	Educational institute	NCA03	40	49	48	44	29	48	40	42	31	54	47	53	37	-
R0455	Residential	NCA01	37	45	48	45	29	**49**	43	45	33	**49**	41	48	34	-
R0456	Residential	NCA01	37	45	46	45	27	46	43	45	34	**50**	41	48	34	-
R0457	Residential	NCA01	35	43	**49**	45	32	47	42	44	33	43	40	47	32	-
R0458	Residential	NCA01	40	45	46	44	26	46	42	44	33	**51**	42	**49**	37	-
R0459	Residential	NCA03	44	47	42	39	25	41	35	37	26	**49**	44	**51**	41	-
R0460	Residential	NCA01	39	44	**50**	46	30	**50**	40	42	30	**50**	41	48	36	-
R0461	Residential	NCA01	37	47	**53**	**49**	33	**50**	45	47	34	48	44	**49**	34	-
R0462	Residential	NCA01	28	39	47	43	29	47	36	37	22	39	38	45	25	-
R0463	Residential	NCA01	35	44	**50**	46	32	**50**	42	42	31	46	41	**49**	32	-
R0464	Residential	NCA01	38	46	**50**	46	29	**49**	44	45	34	**51**	42	**49**	35	-
R0465	Residential	NCA03	40	46	45	41	27	44	38	39	28	**51**	45	**52**	37	-
R0466	Residential	NCA01	35	46	**50**	47	32	**50**	43	45	33	47	42	48	32	-
R0467	Residential	NCA01	39	46	**49**	46	29	48	43	45	34	**52**	43	**50**	36	-
R0468	Residential	NCA03	37	42	44	40	26	43	37	38	28	**48**	40	46	34	-
R0469	Educational institute	NCA03	40	48	47	43	28	47	40	42	30	52	45	52	37	-
R0470	Residential	NCA01	38	46	44	44	26	44	43	45	34	**50**	42	**49**	35	-
R0471	Residential	NCA03	35	44	43	39	26	41	36	38	27	**50**	43	**50**	32	-
R0472	Residential	NCA03	37	45	44	40	26	44	37	38	28	**52**	43	**50**	34	-
R0473	Residential	NCA01	34	44	**50**	46	31	**50**	42	44	32	47	41	48	31	-
R0474	Residential	NCA03	45	47	42	39	24	41	36	38	26	**49**	44	**51**	42	-
R0475	Residential	NCA03	46	47	43	40	26	43	37	40	27	**50**	44	**51**	43	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0476	Commercial	NCA03	44	53	44	41	26	43	37	39	28	50	48	53	41	-
R0477	Residential	NCA01	35	44	**50**	46	32	**50**	41	43	32	46	41	48	32	-
R0478	Residential	NCA01	38	47	**53**	**49**	35	**51**	45	47	36	**49**	44	**51**	35	-
R0479	Residential	NCA01	37	45	**50**	47	31	**50**	43	45	33	**49**	42	**49**	34	-
R0480	Residential	NCA01	28	36	44	39	25	44	33	35	20	40	33	40	25	-
R0481	Residential	NCA03	43	44	41	37	23	40	34	36	25	47	41	**48**	40	-
R0482	Residential	NCA01	37	45	**51**	47	34	**50**	43	45	35	48	42	**49**	34	-
R0483	Active recreation	NCA03	41	50	49	46	30	50	43	45	32	53	47	53	38	-
R0484	Residential	NCA01	36	45	**51**	47	34	**50**	43	45	35	48	42	**49**	33	-
R0485	Residential	NCA01	36	46	**51**	48	33	**51**	42	44	33	48	43	**50**	33	-
R0486	Residential	NCA03	44	**51**	45	42	27	44	38	40	28	**51**	**48**	**54**	41	-
R0487	Residential	NCA01	34	46	**51**	48	33	**52**	41	43	31	46	43	**50**	31	-
R0488	Residential	NCA03	44	43	40	37	23	39	33	34	24	47	41	**48**	41	-
R0489	Residential	NCA01	38	45	**50**	46	29	**50**	41	43	32	**49**	42	**49**	35	-
R0490	Residential	NCA03	37	**48**	46	42	27	45	39	40	29	**53**	47	**54**	34	-
R0491	Residential	NCA01	37	45	**51**	47	34	**50**	43	45	35	48	42	**49**	34	-
R0492	Residential	NCA01	37	45	**51**	47	33	**50**	43	45	34	47	42	**49**	34	-
R0493	Residential	NCA01	36	45	**51**	48	33	**51**	43	45	33	48	43	**49**	33	-
R0494	Place of worship	NCA03	44	44	40	36	22	39	33	35	24	47	42	49	41	-
R0495	Residential	NCA01	37	46	**50**	47	32	**50**	43	45	33	**49**	42	**49**	34	-
R0496	Residential	NCA01	37	45	48	46	29	48	43	45	34	48	42	**49**	34	-
R0497	Residential	NCA01	34	44	**50**	46	31	**50**	40	42	31	46	41	48	31	-
R0498	Residential	NCA01	38	46	48	46	27	48	43	45	34	**52**	43	**50**	35	-
R0499	Residential	NCA01	28	36	43	39	25	42	34	36	24	39	33	40	25	-
R0500	Residential	NCA01	38	47	**52**	**49**	34	**52**	44	46	35	**49**	44	**51**	35	-
R0501	Residential	NCA03	41	**48**	44	41	27	44	37	39	28	**51**	46	**53**	38	-
R0502	Residential	NCA01	32	42	**49**	45	31	**49**	38	40	26	43	40	45	29	-
R0503	Residential	NCA03	41	**48**	45	41	27	44	38	40	28	**52**	46	**53**	38	-
R0504	Residential	NCA01	36	46	**52**	**49**	34	**52**	42	45	33	48	43	**50**	33	-
R0505	Residential	NCA01	35	45	**52**	48	33	**51**	42	44	32	48	43	**49**	32	-
R0506	Residential	NCA01	36	45	**51**	47	34	**50**	43	45	35	47	42	**49**	33	-
R0507	Residential	NCA03	39	47	45	41	28	45	38	40	29	**51**	45	**52**	36	-
R0508	Residential	NCA03	33	39	39	35	22	39	32	34	23	45	38	43	30	-
R0509	Residential	NCA03	38	47	45	42	27	45	39	40	29	**52**	46	**53**	35	-
R0510	Residential	NCA03	44	44	40	36	23	40	33	35	24	47	41	**48**	41	-
R0511	Residential	NCA03	36	47	41	38	24	40	35	36	26	**48**	44	**51**	33	-
R0512	Residential	NCA03	43	**49**	43	40	26	42	36	38	27	**51**	46	**53**	40	-
R0513	Residential	NCA03	39	45	45	41	27	45	38	40	29	**52**	43	**51**	36	-
R0514	Residential	NCA01	37	44	**51**	47	31	**50**	42	44	32	**50**	42	**49**	34	-
R0515	Residential	NCA01	34	45	**51**	47	33	**51**	38	40	28	45	42	**49**	31	-
R0516	Educational institute	NCA03	39	48	47	43	29	47	39	41	30	53	45	52	36	-
R0517	Residential	NCA01	29	40	48	44	29	47	35	36	25	40	38	44	26	-
R0518	Residential	NCA01	38	46	**50**	47	32	**50**	44	46	33	**50**	42	**49**	35	-
R0519	Residential	NCA01	35	45	**51**	47	32	**50**	40	42	31	46	42	**49**	32	-
R0520	Residential	NCA01	38	47	**51**	**49**	34	**52**	45	47	35	**49**	43	**50**	35	-
R0521	Residential	NCA01	39	47	**52**	48	34	**51**	45	47	35	**49**	44	**50**	36	-
R0522	Residential	NCA01	34	45	**50**	47	32	**50**	42	44	32	44	42	**49**	31	-
R0523	Residential	NCA01	36	45	**51**	47	32	**50**	42	44	33	47	42	**49**	33	-
R0524	Residential	NCA01	40	46	**49**	46	29	**49**	43	45	34	**51**	43	**50**	37	-
R0525	Residential	NCA01	40	46	**50**	46	29	**49**	44	46	35	**51**	43	**50**	37	-
R0526	Residential	NCA03	36	44	44	40	26	43	36	38	27	**50**	43	**50**	33	-
R0527	Residential	NCA01	34	47	**50**	47	32	**51**	41	42	31	46	44	**49**	31	-
R0528	Residential	NCA01	33	43	**50**	46	32	**50**	39	41	30	45	41	48	30	-
R0529	Residential	NCA03	32	34	36	33	20	36	29	31	19	39	32	39	29	-
R0530	Residential	NCA01	34	44	**50**	46	31	**50**	40	42	30	45	41	48	31	-
R0531	Residential	NCA03	44	46	41	38	24	40	34	36	25	**48**	43	**50**	41	-
R0532	Residential	NCA01	29	40	46	42	27	46	31	33	20	40	37	43	26	-
R0533	Residential	NCA01	40	47	**49**	47	28	**49**	45	46	35	**52**	44	**51**	37	-
R0534	Residential	NCA01	41	47	**50**	47	31	**50**	44	46	35	**52**	44	**51**	38	-
R0535	Residential	NCA01	34	44	**50**	46	30	**50**	40	42	31	45	41	48	31	-
R0536	Residential	NCA01	32	40	46	43	26	48	38	40	26	42	37	44	29	-
R0537	Residential	NCA01	41	47	**52**	48	34	**51**	44	46	35	**52**	44	**51**	38	-
R0538	Residential	NCA03	38	44	45	42	27	44	39	40	29	**51**	42	**49**	35	-
R0539	Residential	NCA01	37	44	**50**	46	31	**50**	41	43	32	**49**	41	48	34	-
R0540	Residential	NCA01	31	43	48	44	30	**49**	37	38	23	43	39	44	28	-
R0541	Residential	NCA01	40	46	**51**	47	29	**51**	42	44	32	**51**	43	**50**	37	-
R0542	Residential	NCA01	36	45	**51**	47	33	**51**	42	44	32	47	42	**49**	33	-
R0543	Residential	NCA01	33	39	43	39	25	43	36	38	27	43	36	43	30	-
R0544	Residential	NCA01	31	45	**50**	46	31	**51**	40	42	26	42	41	48	28	-
R0545	Residential	NCA03	37	46	43	40	26	43	36	38	27	**50**	45	**52**	34	-
R0546	Residential	NCA01	36	45	**51**	47	32	**51**	43	44	32	47	42	**49**	33	-
R0547	Residential	NCA03	35	39	39	35	20	37	31	33	22	42	37	43	32	-
R0548	Residential	NCA01	29	38	45	41	27	45	33	35	20	41	35	42	26	-
R0549	Residential	NCA01	30	39	46	43	28	46	36	38	27	41	37	44	27	-
R0550	Residential	NCA01	38	46	45	46	27	45	42	44	33	**49**	42	**50**	35	-
R0551	Residential	NCA01	37	47	**51**	**49**	34	**52**	44	46	35	48	43	**50**	34	-
R0552	Residential	NCA03	37	44	44	41	26	44	37	39	28	**52**	42	**50**	34	-
R0553	Residential	NCA03	40	47	43	39	26	42	35	37	26	**48**	45	**52**	37	-
R0554	Residential	NCA01	39	44	**49**	46	28	**49**	40	42	30	**50**	41	48	36	-
R0555	Residential	NCA01	39	47	**52**	**49**	35	**51**	45	47	36	**51**	44	**51**	36	-
R0556	Residential	NCA01	35	45	**51**	47	31	**51**	43	45	32	46	42	**49**	32	-
R0557	Residential	NCA03	40	**48**	46	42	28	46	39	41	30	**53**	47	**53**	37	-
R0558	Residential	NCA01	36	45	**51**	47	33	**51**	43	45	34	47	42	**49**	33	-
R0559	Residential	NCA01	30	44	**50**	46	31	**50**	38	39	29	41	42	**49**	27	-
R0560	Residential	NCA01	29	41	48	45	30	48	36	37	25	41	39	45	26	-
R0561	Residential	NCA01	34	44	**50**	47	31	**50**	40	42	31	45	42	48	31	-
R0562	Residential	NCA01	31	42	**50**	46	32	**49**	38	39	27	42	40	47	28	-
R0563	Residential	NCA01	34	44	**51**	47	32	**50**	40	42	29	45	42	**50**	31	-
R0564	Residential	NCA03	37	**49**	46	42	28	46	39	41	29	**53**	45	**52**	34	-
R0565	Residential	NCA01	39	45	**51**	47	30	**50**	43	45	34	**50**	42	**49**	36	-
R0566	Residential	NCA01	35	44	**51**	47	32	**50**	41	43	32	46	42	**49**	32	-
R0567	Residential	NCA01	35	44	**50**	47	32	**50**	42	44	33	46	42	**49**	32	-
R0568	Residential	NCA01	39	47	**49**	47	29	**49**	44	45	34	**51**	43	**50**	36	-
R0569	Residential	NCA01	36	46	**52**	48	33	**51**	42	44	33	48	43	**50**	33	-
R0570	Residential	NCA03	42	47	42	38	24	41	35	37	26	**49**	44	**51**	39	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0571	Residential	NCA03	41	46	42	39	24	41	35	37	25	**50**	44	**51**	38	-
R0572	Residential	NCA01	35	44	**50**	47	31	**50**	41	43	32	47	42	**49**	32	-
R0573	Residential	NCA01	35	44	**49**	46	31	**49**	41	43	32	46	41	48	32	-
R0574	Residential	NCA01	37	46	**51**	48	34	**51**	43	45	34	48	43	**50**	34	-
R0575	Residential	NCA01	32	42	48	45	28	48	38	40	28	43	39	46	29	-
R0576	Residential	NCA01	39	48	**55**	**51**	35	**52**	47	**49**	37	**50**	46	**52**	36	-
R0577	Residential	NCA01	40	47	**52**	**49**	34	**52**	45	47	35	**50**	44	**51**	37	-
R0578	Residential	NCA03	39	46	43	39	24	41	35	37	26	**51**	45	**52**	36	-
R0579	Residential	NCA01	39	46	**50**	46	30	**50**	43	44	32	**50**	43	**49**	36	-
R0580	Residential	NCA03	43	**50**	45	41	27	44	38	40	28	**51**	47	**54**	40	-
R0581	Residential	NCA01	27	40	48	44	29	47	29	31	18	39	38	45	24	-
R0582	Residential	NCA03	38	43	45	40	26	44	37	39	28	**51**	41	**48**	35	-
R0583	Residential	NCA01	27	37	43	39	24	43	33	35	20	37	34	41	24	-
R0584	Residential	NCA01	38	45	**51**	47	32	**51**	43	45	32	**49**	42	**49**	35	-
R0585	Residential	NCA01	38	46	**51**	47	33	**51**	43	45	33	**50**	42	**49**	35	-
R0586	Residential	NCA03	44	46	42	39	25	42	35	37	26	**48**	43	**50**	41	-
R0587	Residential	NCA01	38	45	**51**	47	33	**51**	43	45	35	**49**	43	**50**	35	-
R0588	Residential	NCA03	43	40	40	37	22	39	34	36	25	45	38	45	40	-
R0589	Residential	NCA01	35	44	**50**	46	31	**50**	41	43	32	46	42	48	32	-
R0590	Residential	NCA01	37	46	**52**	48	33	**51**	43	45	33	48	43	**49**	34	-
R0591	Residential	NCA01	37	45	**51**	47	33	**50**	42	45	34	48	42	**49**	34	-
R0592	Residential	NCA01	37	47	**52**	**49**	34	**52**	43	45	34	48	44	**51**	34	-
R0593	Residential	NCA01	35	44	**50**	46	29	**50**	42	44	32	48	41	48	32	-
R0594	Residential	NCA01	35	45	**52**	48	33	**52**	41	43	32	47	43	**49**	32	-
R0595	Residential	NCA01	39	46	47	45	29	47	44	45	35	**51**	43	**50**	36	-
R0596	Residential	NCA01	35	44	**50**	47	32	**51**	41	43	32	46	42	48	32	-
R0597	Residential	NCA01	32	41	48	44	27	47	38	40	28	43	38	45	29	-
R0598	Residential	NCA01	40	48	**50**	48	30	**49**	46	48	36	**53**	45	**52**	37	-
R0599	Residential	NCA01	26	33	40	36	22	40	31	33	22	37	30	37	23	-
R0600	Residential	NCA03	36	**48**	44	41	27	43	37	39	28	**49**	47	**54**	33	-
R0601	Residential	NCA01	39	45	**51**	47	30	**50**	42	44	33	**51**	42	**49**	36	-
R0602	Residential	NCA03	47	47	42	39	24	41	36	37	26	**49**	45	**52**	44	-
R0603	Residential	NCA03	38	46	44	41	26	43	38	39	28	**50**	45	**51**	35	-
R0604	Residential	NCA01	37	44	**50**	46	32	**49**	42	44	33	48	42	**49**	34	-
R0605	Residential	NCA01	32	41	48	44	28	48	38	40	27	43	38	45	29	-
R0606	Residential	NCA01	38	47	**51**	48	33	**51**	44	46	34	**49**	43	**49**	35	-
R0607	Place of worship	NCA01	33	43	49	46	32	49	38	40	30	44	41	48	30	-
R0608	Residential	NCA01	25	38	45	41	27	44	35	35	21	37	36	43	22	-
R0609	Residential	NCA01	37	47	**52**	**49**	34	**52**	43	45	34	48	44	**51**	34	-
R0610	Residential	NCA01	37	45	**51**	47	34	**51**	43	46	35	47	42	**49**	34	-
R0611	Residential	NCA03	42	**49**	45	41	27	44	38	40	28	**51**	47	**54**	39	-
R0612	Residential	NCA01	28	38	46	42	27	45	35	36	25	39	36	42	25	-
R0613	Residential	NCA01	39	46	**50**	46	29	**50**	43	44	33	**50**	44	**50**	36	-
R0614	Residential	NCA01	35	44	**50**	47	32	**50**	42	43	32	46	42	**49**	32	-
R0615	Residential	NCA01	37	45	**52**	47	34	**50**	43	46	35	47	42	**49**	34	-
R0616	Residential	NCA03	**48**	**49**	43	40	26	42	36	39	26	**50**	46	**52**	45	-
R0617	Residential	NCA01	36	45	**51**	47	34	**51**	44	46	35	47	42	**49**	33	-
R0618	Educational institute	NCA03	44	42	40	36	22	39	33	34	23	46	40	47	41	-
R0619	Medical facility	NCA03	38	43	42	38	24	40	35	36	25	48	42	49	35	-
R0620	Residential	NCA01	35	45	**51**	47	32	**51**	41	43	32	46	42	**49**	32	-
R0621	Medical facility	NCA03	44	39	38	35	21	38	31	33	19	43	36	44	41	-
R0622	Residential	NCA01	35	46	**51**	47	32	**51**	44	46	33	**49**	43	**50**	32	-
R0623	Medical facility	NCA03	45	44	39	36	22	39	32	34	23	45	40	47	42	-
R0624	Residential	NCA01	38	46	**51**	48	33	**51**	44	46	34	**49**	43	**50**	35	-
R0625	Residential	NCA03	36	40	39	36	21	37	32	34	22	44	38	44	33	-
R0626	Residential	NCA01	34	43	**50**	46	30	**50**	40	42	31	45	41	48	31	-
R0627	Residential	NCA03	**48**	**52**	44	40	26	43	38	39	27	**51**	**50**	**57**	45	-
R0628	Residential	NCA03	38	**49**	45	41	27	45	38	40	29	**52**	47	**54**	35	-
R0629	Residential	NCA01	36	44	**51**	47	32	**51**	42	44	33	48	42	**49**	33	-
R0630	Residential	NCA01	39	46	**50**	46	30	**50**	44	46	34	**52**	43	**50**	36	-
R0631	Residential	NCA01	30	42	**49**	45	31	**49**	37	38	26	42	40	47	27	-
R0632	Residential	NCA01	37	46	**50**	46	29	**49**	43	45	33	48	43	**49**	34	-
R0633	Residential	NCA01	36	45	**50**	47	31	**50**	42	44	33	46	41	48	33	-
R0634	Residential	NCA01	36	46	**52**	48	33	**52**	42	44	33	47	43	**50**	33	-
R0635	Residential	NCA03	37	47	44	40	26	44	37	39	28	**50**	47	**53**	34	-
R0636	Residential	NCA01	41	46	48	45	28	48	45	46	35	**51**	43	**50**	38	-
R0637	Residential	NCA01	37	44	**49**	47	32	**49**	42	44	33	48	41	48	34	-
R0638	Residential	NCA01	45	**49**	**52**	48	34	**52**	46	48	36	**55**	46	**53**	42	-
R0639	Educational institute	NCA03	47	42	41	37	23	40	34	35	23	47	40	47	44	-
R0640	Residential	NCA01	38	47	**52**	**49**	34	**52**	45	47	35	**49**	44	**51**	35	-
R0641	Medical facility	NCA03	46	44	41	37	23	40	34	35	24	46	41	48	43	-
R0642	Residential	NCA01	39	45	**51**	47	30	**51**	43	44	33	**50**	42	**49**	36	-
R0643	Residential	NCA01	40	46	**49**	45	28	**49**	44	46	35	**51**	43	**50**	37	-
R0644	Residential	NCA01	30	43	**50**	46	33	**50**	36	38	23	41	41	48	27	-
R0645	Residential	NCA01	35	45	**52**	48	33	**52**	41	44	32	47	43	**50**	32	-
R0646	Residential	NCA01	36	45	**51**	48	32	**51**	43	44	32	47	42	**49**	33	-
R0647	Residential	NCA01	39	47	**51**	48	33	**51**	44	46	33	**50**	43	**50**	36	-
R0648	Residential	NCA03	43	**49**	44	41	27	43	37	39	28	**52**	47	**54**	40	-
R0649	Residential	NCA01	34	46	**52**	48	33	**52**	40	42	31	46	43	**49**	31	-
R0650	Residential	NCA01	39	47	**51**	48	30	**51**	44	45	33	**50**	44	**51**	36	-
R0651	Residential	NCA01	28	34	41	37	24	41	31	33	20	40	32	39	25	-
R0652	Residential	NCA01	38	47	**53**	**49**	34	**53**	45	47	35	**49**	44	**51**	35	-
R0653	Residential	NCA03	37	47	43	39	24	43	36	37	27	**53**	45	**52**	34	-
R0654	Residential	NCA01	38	47	**52**	**49**	35	**53**	45	47	35	**49**	44	**51**	35	-
R0655	Residential	NCA01	38	46	**51**	47	32	**51**	44	46	33	**49**	43	**50**	35	-
R0656	Residential	NCA01	30	42	**49**	45	31	**49**	36	38	26	41	40	47	27	-
R0657	Residential	NCA01	39	46	**51**	48	34	**51**	44	46	35	**50**	43	**50**	36	-
R0658	Residential	NCA01	37	45	**51**	47	32	**50**	42	45	34	48	42	**49**	34	-
R0659	Residential	NCA01	28	38	45	41	27	45	34	36	24	39	35	42	25	-
R0660	Residential	NCA01	31	43	**50**	46	33	**50**	37	39	28	42	41	48	28	-
R0661	Commercial	NCA03	43	53	44	41	26	43	38	40	28	50	51	56	40	-
R0662	Residential	NCA01	43	**49**	**50**	**50**	30	**50**	46	48	36	**54**	46	**53**	40	-
R0663	Residential	NCA01	28	39	47	43	29	46	34	36	25	40	37	42	25	-
R0664	Residential	NCA01	36	47	**53**	**49**	34	**52**	43	45	33	48	44	**51**	33	-
R0665	Residential	NCA01	36	46	**51**	48	33	**51**	43	44	34	47	43	**50**	33	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible **Moderately intrusive** **Highly intrusive** **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0666	Residential	NCA01	38	47	**54**	**49**	34	**51**	46	48	35	**49**	45	**51**	35	-
R0667	Residential	NCA01	40	47	**49**	47	28	48	45	47	35	**52**	44	**50**	37	-
R0668	Residential	NCA01	37	46	**53**	48	35	**51**	44	47	36	48	43	**50**	34	-
R0669	Residential	NCA01	35	44	**50**	46	32	**49**	42	44	33	46	41	48	32	-
R0670	Residential	NCA01	37	46	**52**	48	31	**52**	44	46	35	**49**	43	**50**	34	-
R0671	Residential	NCA01	29	38	46	41	27	45	34	36	23	40	35	42	26	-
R0672	Residential	NCA01	39	47	**51**	**49**	33	**52**	45	47	35	**50**	43	**50**	36	-
R0673	Residential	NCA01	35	45	**51**	47	31	**51**	42	43	32	46	42	**50**	32	-
R0674	Residential	NCA01	34	45	**51**	47	32	**51**	40	42	30	46	42	**49**	31	-
R0675	Residential	NCA01	30	41	**49**	45	30	48	37	38	27	40	39	46	27	-
R0676	Residential	NCA01	35	46	**52**	48	34	**52**	41	44	32	47	43	**50**	32	-
R0677	Residential	NCA01	34	45	**52**	48	33	**52**	41	43	32	46	43	**49**	31	-
R0678	Residential	NCA03	37	**48**	42	38	23	41	33	35	25	**52**	47	**53**	34	-
R0679	Educational institute	NCA03	43	44	41	37	23	40	34	35	23	47	41	48	40	-
R0680	Residential	NCA01	38	46	**52**	48	34	**51**	44	46	35	**49**	43	**50**	35	-
R0681	Residential	NCA01	37	46	**52**	48	33	**51**	43	45	34	48	43	**50**	34	-
R0682	Residential	NCA01	40	48	**51**	47	30	**51**	43	45	33	**51**	44	**51**	37	-
R0683	Residential	NCA01	30	40	46	43	27	47	36	37	26	40	37	44	27	-
R0684	Residential	NCA01	35	45	**49**	46	32	**49**	39	42	29	47	42	**49**	32	-
R0685	Residential	NCA01	39	47	48	48	28	**49**	44	47	35	**50**	43	**50**	36	-
R0686	Residential	NCA01	37	46	**51**	48	34	**51**	43	46	34	**49**	43	**50**	34	-
R0687	Residential	NCA01	35	44	**51**	47	32	**50**	42	44	32	46	42	48	32	-
R0688	Residential	NCA01	36	46	**51**	48	32	**51**	44	46	34	46	43	**50**	33	-
R0689	Residential	NCA03	36	**48**	42	39	26	42	35	37	27	**51**	46	**53**	33	-
R0690	Residential	NCA01	39	47	**52**	48	34	**52**	45	46	35	**50**	44	**51**	36	-
R0691	Residential	NCA03	36	44	43	39	25	41	37	38	26	**51**	44	**50**	33	-
R0692	Educational institute	NCA03	45	42	41	37	23	40	34	35	23	47	40	47	42	-
R0693	Active recreation	NCA03	39	48	46	42	28	46	39	41	30	54	46	53	36	-
R0694	Residential	NCA01	43	**49**	**52**	**49**	34	**52**	46	48	37	**53**	46	**52**	40	-
R0695	Residential	NCA01	41	46	**50**	48	29	**49**	44	46	34	**52**	43	**50**	38	-
R0696	Residential	NCA01	43	**49**	**51**	**49**	33	**50**	46	**49**	36	**54**	47	**53**	40	-
R0697	Residential	NCA01	35	45	**50**	47	32	**50**	41	43	31	46	42	**49**	32	-
R0698	Residential	NCA01	30	40	**49**	45	30	48	35	37	26	41	39	46	27	-
R0699	Residential	NCA03	35	45	44	40	26	43	37	38	26	**48**	44	**50**	32	-
R0700	Residential	NCA03	38	**49**	45	42	27	45	38	40	29	**51**	**48**	**55**	35	-
R0701	Residential	NCA01	37	46	**52**	48	35	**51**	44	46	36	48	43	**50**	34	-
R0702	Residential	NCA01	33	44	**51**	47	32	**52**	40	41	30	44	42	48	30	-
R0703	Residential	NCA01	40	47	**53**	**49**	35	**53**	45	48	36	**51**	44	**51**	37	-
R0704	Residential	NCA01	33	42	**49**	45	28	**49**	39	40	29	45	39	46	30	-
R0705	Residential	NCA01	28	38	44	40	26	44	35	36	25	40	35	42	25	-
R0706	Residential	NCA01	37	47	**52**	**49**	34	**52**	44	46	34	48	44	**50**	34	-
R0707	Residential	NCA01	31	39	44	40	25	43	37	38	27	42	36	43	28	-
R0708	Residential	NCA01	35	43	**50**	46	31	**50**	40	41	31	46	41	48	32	-
R0709	Residential	NCA01	37	47	**52**	**49**	34	**52**	43	45	34	48	44	**51**	34	-
R0710	Residential	NCA01	37	46	**52**	48	32	**52**	43	45	33	47	43	**50**	34	-
R0711	Residential	NCA01	40	**49**	**51**	47	30	**50**	46	47	36	**53**	45	**52**	37	-
R0712	Residential	NCA01	42	48	**52**	48	31	**51**	46	47	37	**53**	45	**52**	39	-
R0713	Residential	NCA03	39	40	40	37	23	39	33	35	23	45	38	45	36	-
R0714	Residential	NCA01	40	47	**51**	48	32	**51**	45	46	35	**51**	44	**51**	37	-
R0715	Residential	NCA01	38	48	**52**	**49**	33	**52**	45	47	32	**49**	43	**50**	35	-
R0716	Residential	NCA01	35	45	**51**	47	32	**51**	42	44	33	46	42	**49**	32	-
R0717	Residential	NCA01	37	45	**52**	48	33	**51**	43	45	34	48	43	**50**	34	-
R0718	Residential	NCA03	39	**48**	43	39	25	41	36	38	27	**49**	46	**52**	36	-
R0719	Residential	NCA01	37	46	**51**	48	33	**51**	44	46	35	**49**	43	**50**	34	-
R0720	Residential	NCA01	30	39	46	43	28	47	36	37	26	40	37	44	27	-
R0721	Residential	NCA01	40	48	**51**	47	31	**51**	44	45	33	**51**	44	**51**	37	-
R0722	Residential	NCA01	30	38	45	41	27	45	36	38	25	39	35	42	27	-
R0723	Residential	NCA01	35	45	**51**	47	32	**51**	42	44	33	47	42	**49**	32	-
R0724	Residential	NCA01	35	45	**51**	47	32	**51**	41	43	31	47	42	**49**	32	-
R0725	Residential	NCA01	36	46	**52**	**49**	33	**52**	43	45	34	**49**	44	**51**	33	-
R0726	Residential	NCA01	37	46	**52**	48	32	**52**	44	45	33	47	43	**50**	34	-
R0727	Residential	NCA01	40	46	**51**	47	30	**50**	42	44	33	**50**	43	**49**	37	-
R0728	Residential	NCA03	47	46	40	36	23	39	32	34	21	**49**	44	**51**	44	-
R0729	Residential	NCA01	40	**50**	**51**	**50**	33	**50**	48	**50**	36	**54**	46	**53**	37	-
R0730	Residential	NCA01	35	45	**51**	47	32	**51**	42	44	32	46	43	**50**	32	-
R0731	Residential	NCA01	38	48	**52**	48	33	**52**	45	47	35	**50**	43	**50**	35	-
R0732	Residential	NCA01	40	47	**51**	**49**	31	**51**	46	47	36	**52**	44	**51**	37	-
R0733	Residential	NCA01	40	47	**51**	48	32	**52**	45	46	33	**51**	43	**50**	37	-
R0734	Residential	NCA01	37	47	**53**	**49**	34	**53**	44	46	34	48	44	**51**	34	-
R0735	Residential	NCA01	30	39	46	43	28	46	36	38	26	41	36	43	27	-
R0736	Educational institute	NCA03	40	36	39	35	22	38	31	32	18	42	34	41	37	-
R0737	Residential	NCA01	38	48	**53**	**50**	35	**53**	45	47	36	**49**	45	**52**	35	-
R0738	Residential	NCA01	23	31	39	34	21	40	29	30	18	35	28	36	20	-
R0739	Residential	NCA03	42	**52**	46	43	28	45	39	40	30	**54**	**49**	**56**	39	-
R0740	Residential	NCA03	45	46	42	38	24	41	35	36	25	**49**	44	**51**	42	-
R0741	Residential	NCA03	39	**51**	46	42	28	44	39	40	29	**53**	**48**	**55**	36	-
R0742	Residential	NCA01	38	48	**53**	**50**	35	**53**	45	47	36	**50**	45	**52**	35	-
R0743	Residential	NCA01	31	43	**50**	46	33	**50**	38	39	28	42	41	48	28	-
R0744	Medical facility	NCA03	45	43	40	37	22	40	33	35	23	46	39	45	42	-
R0745	Residential	NCA01	41	48	**53**	**50**	35	**53**	46	48	37	**51**	45	**52**	38	-
R0746	Residential	NCA03	41	**49**	41	38	25	41	35	37	26	45	46	**53**	38	-
R0747	Residential	NCA03	37	36	34	30	16	34	27	29	14	43	34	41	34	-
R0748	Residential	NCA01	40	48	**52**	48	30	**51**	42	44	30	**51**	45	**52**	37	-
R0749	Residential	NCA03	**49**	**49**	43	40	26	42	36	38	26	**50**	46	**53**	46	-
R0750	Residential	NCA01	30	37	43	39	26	43	35	37	25	41	34	41	27	-
R0751	Commercial	NCA03	38	52	45	41	27	43	38	40	29	54	48	55	35	-
R0752	Residential	NCA01	41	**49**	**50**	48	29	**50**	47	48	37	**52**	46	**52**	38	-
R0753	Residential	NCA01	38	48	**52**	**50**	35	**53**	45	47	35	**49**	44	**51**	35	-
R0754	Residential	NCA03	38	47	43	39	24	42	34	36	25	**54**	45	**52**	35	-
R0755	Residential	NCA01	33	42	**50**	46	32	**50**	40	41	31	45	40	47	30	-
R0756	Residential	NCA01	42	47	**51**	47	32	**51**	43	45	34	**54**	44	**51**	39	-
R0757	Residential	NCA01	27	34	41	37	24	41	32	33	23	39	32	38	24	-
R0758	Residential	NCA03	**49**	**48**	43	40	26	43	37	38	26	**50**	46	**53**	46	-
R0759	Residential	NCA01	39	47	**52**	48	32	**52**	44	46	32	**50**	44	**51**	36	-
R0760	Residential	NCA01	38	47	**52**	48	33	**52**	45	47	34	**50**	43	**50**	35	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0761	Residential	NCA01	46	**51**	**51**	48	32	**51**	44	46	33	**55**	47	**54**	43	-
R0762	Residential	NCA01	37	47	**52**	**49**	34	**52**	44	46	35	**50**	44	**51**	34	-
R0763	Residential	NCA03	**50**	**48**	43	40	25	42	36	38	27	**51**	46	**53**	47	-
R0764	Residential	NCA01	28	40	47	43	29	47	35	37	24	39	37	43	25	-
R0765	Residential	NCA01	27	33	39	35	22	39	31	32	21	37	30	36	24	-
R0766	Residential	NCA01	36	46	**52**	48	32	**52**	43	44	33	47	43	**50**	33	-
R0767	Educational institute	NCA03	47	44	40	37	23	40	34	36	24	47	41	49	44	-
R0768	Residential	NCA01	40	**49**	**54**	**51**	36	**53**	46	48	37	**51**	46	**53**	37	-
R0769	Residential	NCA01	36	46	**51**	48	32	**51**	43	44	33	46	43	**50**	33	-
R0770	Residential	NCA01	30	41	**49**	45	31	**49**	35	37	25	40	40	47	27	-
R0771	Residential	NCA03	42	**51**	45	42	28	44	39	41	29	**52**	**49**	**55**	39	-
R0772	Residential	NCA01	28	34	38	35	22	38	32	34	23	39	32	39	25	-
R0773	Residential	NCA03	41	**51**	43	40	26	42	36	38	27	47	**48**	**55**	38	-
R0774	Residential	NCA01	39	**49**	**54**	**51**	37	**53**	46	48	37	**51**	46	**52**	36	-
R0775	Residential	NCA01	32	45	**51**	47	32	**50**	39	41	29	44	42	**49**	29	-
R0776	Educational institute	NCA03	39	36	38	34	20	37	29	32	16	42	34	41	36	-
R0777	Residential	NCA03	47	**53**	44	41	27	44	38	39	28	**52**	**50**	**57**	44	-
R0778	Residential	NCA01	37	48	**54**	**50**	35	**54**	43	45	34	48	45	**52**	34	-
R0779	Residential	NCA01	34	46	**51**	48	30	**52**	41	43	30	46	43	**50**	31	-
R0780	Residential	NCA01	36	47	**53**	**49**	33	**52**	43	45	34	48	44	**51**	33	-
R0781	Residential	NCA01	39	46	**52**	**49**	33	**53**	43	45	32	**50**	44	**51**	36	-
R0782	Residential	NCA01	35	45	**50**	47	32	**50**	42	44	32	46	42	**49**	32	-
R0783	Active recreation	NCA03	45	52	50	48	32	50	45	47	34	57	49	56	42	-
R0784	Residential	NCA03	38	44	43	40	26	42	37	38	27	**50**	43	**50**	35	-
R0785	Educational institute	NCA03	48	44	40	37	23	40	33	35	24	48	41	49	45	-
R0786	Residential	NCA01	27	33	39	35	21	40	31	33	21	38	30	37	24	-
R0787	Residential	NCA01	38	46	**52**	**49**	34	**52**	44	46	35	**50**	43	**50**	35	-
R0788	Residential	NCA01	39	48	**52**	48	30	**51**	43	44	34	**51**	45	**52**	36	-
R0789	Residential	NCA01	33	44	**51**	47	33	**50**	40	42	31	44	41	48	30	-
R0790	Residential	NCA03	39	45	41	38	24	40	35	36	25	**49**	43	**50**	36	-
R0791	Residential	NCA01	36	48	**54**	**51**	35	**53**	44	45	34	48	46	**52**	33	-
R0792	Residential	NCA03	40	**49**	45	41	27	44	38	40	29	**50**	46	**52**	37	-
R0793	Residential	NCA03	38	46	45	41	27	43	38	39	28	**50**	42	**50**	35	-
R0794	Residential	NCA03	43	**48**	44	40	27	44	37	39	28	**51**	46	**53**	40	-
R0795	Residential	NCA01	38	46	**52**	48	35	**51**	44	47	36	**49**	43	**50**	35	-
R0796	Residential	NCA03	46	**51**	42	39	24	40	35	36	26	**49**	**51**	**57**	43	-
R0797	Residential	NCA01	35	46	**52**	48	34	**52**	40	42	32	45	43	**50**	32	-
R0798	Residential	NCA01	34	45	**50**	48	30	**50**	41	43	30	45	42	**49**	31	-
R0799	Residential	NCA01	33	47	**51**	48	32	**51**	41	42	30	44	44	**49**	30	-
R0800	Residential	NCA01	32	45	**52**	48	33	**51**	38	39	27	42	43	**49**	29	-
R0801	Residential	NCA01	31	42	**50**	46	32	**50**	37	39	27	42	40	47	28	-
R0802	Residential	NCA01	47	**53**	**51**	**51**	33	**51**	**49**	**51**	37	**56**	**50**	**57**	44	-
R0803	Residential	NCA01	39	46	**52**	48	32	**52**	45	45	34	**50**	44	**51**	36	-
R0804	Residential	NCA03	37	44	44	41	27	43	38	40	29	**49**	43	**50**	34	-
R0805	Residential	NCA01	38	46	**52**	48	35	**52**	44	47	36	48	43	**50**	35	-
R0806	Educational institute	NCA03	47	43	40	37	23	39	33	35	22	45	41	48	44	-
R0807	Residential	NCA03	39	47	46	42	28	44	39	41	29	**53**	44	**51**	36	-
R0808	Residential	NCA01	39	47	**53**	**49**	34	**52**	45	47	35	**50**	44	**51**	36	-
R0809	Residential	NCA01	30	36	41	37	23	41	34	35	24	40	33	40	27	-
R0810	Educational institute	NCA03	46	44	41	37	22	40	34	35	22	48	42	49	43	-
R0811	Residential	NCA01	36	47	**52**	48	34	**52**	42	44	33	46	44	**51**	33	-
R0812	Residential	NCA03	40	**53**	**48**	45	30	**48**	42	44	31	**56**	**51**	**58**	37	N, V
R0813	Residential	NCA01	30	40	48	44	30	48	35	36	24	40	38	45	27	-
R0814	Residential	NCA01	41	**51**	**50**	**49**	29	**49**	47	48	36	**52**	48	**53**	38	-
R0815	Residential	NCA01	38	47	**52**	**49**	34	**52**	44	46	35	**49**	45	**51**	35	-
R0816	Residential	NCA03	39	**51**	47	44	30	47	41	42	31	**53**	**49**	**55**	36	-
R0817	Residential	NCA03	42	**54**	**49**	45	30	**48**	43	44	33	**56**	**51**	**58**	39	N, V
R0818	Educational institute	NCA03	50	43	40	37	23	40	33	35	22	46	40	47	47	-
R0819	Residential	NCA01	35	45	**51**	47	31	**51**	41	43	31	46	42	**49**	32	-
R0820	Residential	NCA01	35	47	**53**	**49**	35	**53**	42	44	32	46	44	**51**	32	-
R0821	Residential	NCA01	37	46	**52**	48	32	**52**	43	45	33	48	43	**50**	34	-
R0822	Residential	NCA01	42	**52**	**51**	47	30	**50**	47	**49**	36	**54**	48	**55**	39	-
R0823	Residential	NCA03	40	**50**	46	43	29	45	40	42	30	**54**	47	**54**	37	-
R0824	Residential	NCA01	28	38	46	42	27	45	31	33	23	40	35	42	25	-
R0825	Residential	NCA01	37	47	**53**	**49**	34	**53**	43	46	34	48	44	**51**	34	-
R0826	Residential	NCA01	40	**49**	46	47	27	46	47	**49**	37	**51**	47	**53**	37	-
R0827	Residential	NCA01	34	46	**51**	48	32	**52**	41	43	31	46	43	**50**	31	-
R0828	Residential	NCA01	35	46	**52**	48	32	**52**	41	43	31	45	43	**50**	32	-
R0829	Residential	NCA01	36	46	**51**	48	32	**51**	44	44	32	47	43	**50**	33	-
R0830	Residential	NCA01	31	44	**51**	47	33	**50**	34	35	24	42	41	48	28	-
R0831	Residential	NCA01	40	48	**50**	48	32	**49**	46	48	37	**52**	45	**52**	37	-
R0832	Residential	NCA01	38	48	**53**	**50**	33	**53**	46	48	34	**49**	44	**51**	35	-
R0833	Residential	NCA01	41	47	**52**	**49**	32	**51**	45	47	36	**52**	44	**51**	38	-
R0834	Residential	NCA01	37	47	**53**	**49**	32	**52**	43	45	34	48	44	**50**	34	-
R0835	Residential	NCA01	40	**50**	**49**	45	28	**50**	43	45	34	**52**	47	**54**	37	-
R0836	Residential	NCA01	28	41	48	44	30	48	35	36	25	39	38	46	25	-
R0837	Residential	NCA01	31	37	43	39	25	43	35	37	25	39	34	41	28	-
R0838	Residential	NCA01	35	46	**52**	48	33	**51**	42	43	31	46	43	**49**	32	-
R0839	Residential	NCA01	42	**50**	**51**	47	31	**51**	46	48	36	**53**	47	**54**	39	-
R0840	Residential	NCA01	37	47	**52**	**49**	32	**52**	43	45	33	47	44	**51**	34	-
R0841	Residential	NCA03	38	**51**	44	41	27	43	37	39	29	**50**	**48**	**55**	35	-
R0842	Educational institute	NCA03	45	37	36	33	19	36	29	30	17	40	34	41	42	-
R0843	Residential	NCA01	43	**52**	**49**	**50**	29	**49**	46	48	36	**53**	48	**55**	40	-
R0844	Residential	NCA01	37	46	**51**	48	32	**51**	43	45	33	47	44	**50**	34	-
R0845	Residential	NCA01	39	47	**52**	48	33	**52**	45	47	34	**51**	43	**50**	36	-
R0846	Residential	NCA03	38	**48**	44	41	27	43	38	40	29	**54**	46	**53**	35	-
R0847	Residential	NCA01	40	48	**53**	**49**	32	**52**	45	47	35	**51**	45	**52**	37	-
R0848	Residential	NCA01	26	33	38	34	21	38	31	32	21	37	29	36	23	-
R0849	Residential	NCA01	36	46	**51**	48	32	**51**	43	45	33	47	43	**50**	33	-
R0850	Residential	NCA01	47	**52**	**50**	47	31	**50**	46	48	37	**56**	**49**	**56**	44	-
R0851	Active recreation	NCA03	46	53	50	49	32	53	46	48	35	58	50	57	43	-
R0852	Medical facility	NCA03	44	43	38	35	21	38	31	33	22	45	40	47	41	-
R0853	Residential	NCA01	30	40	48	44	29	47	37	38	26	39	38	45	27	-
R0854	Residential	NCA01	34	45	**52**	48	34	**52**	40	42	30	43	43	**50**	31	-
R0855	Residential	NCA01	48	**53**	**54**	**51**	35	**54**	**49**	**51**	37	**57**	**49**	**56**	45	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0856	Residential	NCA03	40	**53**	47	44	29	47	41	43	31	**53**	**51**	**58**	37	N, V
R0857	Residential	NCA03	41	**51**	**50**	47	32	**50**	44	46	33	**55**	**48**	**55**	38	-
R0858	Residential	NCA01	26	32	38	34	21	38	30	32	21	38	29	36	23	-
R0859	Residential	NCA01	37	46	**52**	**49**	33	**53**	42	44	32	47	44	**51**	34	-
R0860	Residential	NCA01	41	**52**	**58**	**54**	38	**54**	**50**	**52**	40	**53**	**49**	**55**	38	-
R0861	Residential	NCA01	34	46	**52**	48	34	**52**	41	43	32	46	43	**50**	31	-
R0862	Residential	NCA01	31	43	**51**	47	33	**50**	35	38	24	42	41	48	28	-
R0863	Residential	NCA03	36	**52**	45	41	28	44	38	40	29	47	**50**	**56**	33	-
R0864	Residential	NCA03	40	**50**	**50**	47	31	**51**	45	47	34	**54**	**48**	**54**	37	-
R0865	Residential	NCA03	40	**52**	**48**	45	30	**48**	42	43	33	**54**	**49**	**56**	37	-
R0866	Educational institute	NCA03	40	39	38	34	20	38	31	33	20	43	36	43	37	-
R0867	Residential	NCA01	39	**49**	**52**	**50**	34	**53**	46	48	36	**50**	44	**51**	36	-
R0868	Residential	NCA03	37	**51**	44	40	26	44	36	38	25	**54**	47	**54**	34	-
R0869	Residential	NCA03	40	**52**	**48**	45	30	**48**	42	44	33	**55**	**49**	**55**	37	-
R0870	Residential	NCA03	47	47	43	39	24	42	35	37	26	**49**	45	**52**	44	-
R0871	Residential	NCA01	37	46	**52**	**49**	34	**52**	44	45	35	48	44	**51**	34	-
R0872	Residential	NCA03	40	**51**	46	43	28	46	40	42	31	**54**	**48**	**54**	37	-
R0873	Residential	NCA01	33	42	**50**	46	32	**49**	37	40	28	44	40	46	30	-
R0874	Residential	NCA03	40	**48**	47	43	29	45	40	41	31	**52**	46	**52**	37	-
R0875	Residential	NCA03	40	**51**	**48**	45	30	**48**	42	43	32	**55**	**48**	**55**	37	-
R0876	Residential	NCA01	36	47	**52**	**49**	33	**52**	43	45	34	47	44	**51**	33	-
R0877	Residential	NCA03	42	45	40	36	22	39	33	34	22	**48**	43	**50**	39	-
R0878	Residential	NCA03	37	45	46	42	27	46	39	40	26	**48**	45	**52**	34	-
R0879	Residential	NCA03	42	**52**	45	41	27	45	37	39	28	**57**	**50**	**56**	39	-
R0880	Residential	NCA01	40	**51**	**49**	47	30	**49**	43	45	34	**52**	48	**55**	37	-
R0881	Residential	NCA01	36	47	**50**	**49**	32	**50**	43	44	33	46	43	**50**	33	-
R0882	Residential	NCA03	42	**52**	**49**	45	31	**49**	42	44	33	**56**	**50**	**57**	39	-
R0883	Residential	NCA03	**49**	**54**	**53**	**49**	33	**54**	47	**49**	37	**60**	**51**	**58**	46	N, V
R0884	Residential	NCA01	36	46	**53**	**49**	32	**53**	43	45	33	47	44	**51**	33	-
R0885	Residential	NCA01	46	**52**	**50**	**49**	30	**50**	47	**49**	37	**55**	**49**	**56**	43	-
R0886	Residential	NCA01	38	48	**53**	**50**	36	**52**	46	48	37	**49**	45	**52**	35	-
R0887	Residential	NCA01	29	36	42	38	25	42	33	35	25	41	33	40	26	-
R0888	Educational institute	NCA03	44	42	42	38	24	41	34	36	24	48	39	46	41	-
R0889	Residential	NCA03	45	46	42	38	24	41	35	37	26	**50**	44	**51**	42	-
R0890	Residential	NCA01	29	40	48	44	30	47	36	37	26	41	38	45	26	-
R0891	Residential	NCA01	40	48	**53**	**49**	32	**53**	45	47	35	**51**	44	**51**	37	-
R0892	Educational institute	NCA03	48	43	40	36	23	40	33	34	24	46	41	48	45	-
R0893	Residential	NCA01	40	48	**53**	**49**	34	**53**	46	48	36	**51**	44	**51**	37	-
R0894	Residential	NCA01	42	**50**	**53**	**50**	35	**53**	47	48	37	**53**	47	**54**	39	-
R0895	Residential	NCA03	47	**51**	45	42	28	44	38	40	29	**53**	**49**	**55**	44	-
R0896	Residential	NCA03	45	44	41	38	23	40	34	36	25	**48**	42	**50**	42	-
R0897	Residential	NCA01	35	46	**52**	48	33	**52**	41	43	29	46	43	**50**	32	-
R0898	Residential	NCA03	39	**51**	42	38	25	41	35	36	24	**50**	**48**	**55**	36	-
R0899	Residential	NCA01	39	48	**54**	**50**	37	**51**	46	48	38	**50**	45	**52**	36	-
R0900	Residential	NCA01	39	48	**53**	**50**	36	**53**	45	47	37	**51**	45	**52**	36	-
R0901	Residential	NCA01	30	40	48	44	29	47	36	38	26	41	38	45	27	-
R0902	Residential	NCA01	37	48	**54**	**50**	35	**53**	44	46	34	48	45	**52**	34	-
R0903	Residential	NCA01	32	42	**49**	45	30	**49**	38	39	28	41	40	47	29	-
R0904	Residential	NCA01	27	34	41	37	23	42	33	34	23	39	31	38	24	-
R0905	Residential	NCA01	47	**53**	**53**	**50**	34	**51**	47	**49**	37	**57**	**50**	**57**	44	-
R0906	Residential	NCA03	34	**51**	43	40	26	43	36	38	28	46	**49**	**56**	31	-
R0907	Residential	NCA01	28	35	41	38	24	41	32	34	24	39	32	38	25	-
R0908	Residential	NCA01	47	**52**	**50**	**50**	30	**49**	47	**49**	37	**56**	48	**55**	44	-
R0909	Residential	NCA03	42	**52**	**48**	44	29	47	41	43	31	**57**	**49**	**56**	39	-
R0910	Residential	NCA01	28	34	41	37	23	41	31	33	23	39	32	38	25	-
R0911	Residential	NCA01	36	48	**53**	**50**	35	**53**	44	46	34	48	45	**51**	33	-
R0912	Residential	NCA01	34	45	**52**	48	35	**52**	40	42	31	45	43	**50**	31	-
R0913	Educational institute	NCA03	47	42	39	36	22	39	32	34	22	45	39	46	44	-
R0914	Residential	NCA03	42	**52**	**49**	45	30	**48**	42	43	32	**57**	**50**	**57**	39	-
R0915	Residential	NCA03	**53**	**48**	43	39	25	42	36	37	26	**51**	45	**52**	**50**	-
R0916	Residential	NCA03	46	**53**	47	44	28	46	41	42	31	**54**	**51**	**57**	43	-
R0917	Residential	NCA01	36	48	**53**	**50**	34	**53**	44	45	34	47	45	**52**	33	-
R0918	Residential	NCA01	41	**50**	**54**	**51**	37	**54**	46	48	38	**52**	46	**53**	38	-
R0919	Residential	NCA01	37	47	**52**	**49**	32	**52**	43	45	33	48	44	**51**	34	-
R0920	Residential	NCA01	38	47	**53**	**49**	35	**53**	45	47	36	**49**	44	**51**	35	-
R0921	Residential	NCA03	42	**53**	47	43	29	45	40	42	31	**57**	**50**	**57**	39	-
R0922	Residential	NCA01	26	39	46	42	28	45	32	34	22	37	36	42	23	-
R0923	Residential	NCA01	46	**52**	**51**	47	30	**50**	47	**49**	38	**54**	**49**	**54**	43	-
R0924	Residential	NCA01	30	47	**52**	**49**	33	**52**	37	39	27	42	44	**51**	27	-
R0925	Residential	NCA01	46	**53**	**51**	**51**	30	**50**	47	**49**	38	**56**	**49**	**56**	43	-
R0926	Residential	NCA01	38	47	**52**	**49**	35	**52**	45	47	36	**49**	44	**51**	35	-
R0927	Residential	NCA03	43	**51**	47	44	29	46	41	42	31	**56**	**49**	**56**	40	-
R0928	Residential	NCA03	41	**51**	**48**	45	30	**48**	42	44	32	**55**	**48**	**55**	38	-
R0929	Residential	NCA01	29	41	48	44	30	48	35	36	25	40	38	45	26	-
R0930	Residential	NCA01	24	38	45	41	28	45	30	32	20	35	36	42	21	-
R0931	Residential	NCA01	28	35	43	39	25	45	32	33	23	40	33	40	25	-
R0932	Residential	NCA03	**52**	**48**	43	40	26	42	36	38	26	**51**	46	**53**	**49**	-
R0933	Residential	NCA01	47	**53**	**54**	**51**	35	**51**	**49**	**51**	37	**57**	**49**	**56**	44	-
R0934	Residential	NCA01	27	36	43	39	25	42	32	34	23	39	33	40	24	-
R0935	Residential	NCA01	33	47	**52**	**49**	31	**52**	41	43	30	45	44	**50**	30	-
R0936	Residential	NCA03	39	**49**	44	41	27	43	38	39	29	**56**	**48**	**54**	36	-
R0937	Residential	NCA01	32	46	**52**	48	32	**52**	37	39	25	41	43	**50**	29	-
R0938	Residential	NCA01	22	32	38	34	20	38	29	32	17	33	29	36	19	-
R0939	Residential	NCA01	31	44	**52**	48	33	**52**	38	39	28	42	42	**49**	28	-
R0940	Residential	NCA01	42	**52**	**53**	**50**	32	**53**	47	**49**	36	**53**	48	**55**	39	-
R0941	Residential	NCA01	40	**49**	**53**	**49**	33	**53**	46	47	35	**51**	45	**52**	37	-
R0942	Residential	NCA01	40	**49**	**53**	**50**	35	**54**	46	48	36	**50**	45	**52**	37	-
R0943	Residential	NCA03	41	**54**	45	43	28	45	39	41	30	**55**	**50**	**57**	38	-
R0944	Residential	NCA03	46	46	43	39	24	42	35	37	26	**49**	44	**50**	43	-
R0945	Residential	NCA01	44	**51**	**51**	**50**	31	**50**	47	**49**	38	**55**	**49**	**56**	41	-
R0946	Residential	NCA03	**52**	**54**	44	40	26	43	37	38	27	**52**	**51**	**57**	**49**	-
R0947	Residential	NCA01	32	46	**52**	48	31	**52**	43	44	30	43	43	**50**	29	-
R0948	Residential	NCA01	34	46	**52**	48	32	**51**	42	43	31	46	43	**50**	31	-
R0949	Residential	NCA01	36	48	**54**	**50**	35	**54**	44	46	34	48	45	**52**	33	-
R0950	Residential	NCA03	39	**50**	47	42	29	45	39	40	30	**48**	**48**	**54**	36	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive Bold Highly noise affected Non-residential: Exceeds noise management level																
R0951	Residential	NCA01	43	**53**	**53**	**50**	35	**53**	46	48	35	**54**	**50**	**57**	40	-
R0952	Residential	NCA01	32	44	**51**	47	33	**51**	38	39	27	43	41	**49**	29	-
R0953	Residential	NCA01	37	47	**52**	**49**	32	**53**	43	46	33	48	44	**51**	34	-
R0954	Residential	NCA03	34	46	44	40	26	42	36	38	25	**51**	44	**50**	31	-
R0955	Residential	NCA01	31	44	**51**	47	33	**51**	38	39	28	44	42	48	28	-
R0956	Residential	NCA01	34	46	**51**	48	33	**51**	42	44	30	45	43	**50**	31	-
R0957	Residential	NCA01	23	29	36	32	18	35	26	28	18	35	26	33	20	-
R0958	Residential	NCA01	37	47	**52**	**49**	32	**52**	44	45	32	48	44	**51**	34	-
R0959	Residential	NCA01	38	**49**	**54**	**51**	35	**55**	44	46	34	**49**	46	**53**	35	-
R0960	Residential	NCA01	29	36	42	38	24	42	32	35	24	40	33	39	26	-
R0961	Residential	NCA01	42	**51**	**53**	**50**	33	**53**	47	48	37	**54**	**49**	**55**	39	-
R0962	Residential	NCA01	31	42	**49**	45	30	**49**	37	39	27	42	39	47	28	-
R0963	Residential	NCA01	30	36	43	39	26	43	35	37	26	41	34	41	27	-
R0964	Residential	NCA01	36	48	**53**	**50**	36	**53**	43	45	33	46	44	**51**	33	-
R0965	Residential	NCA01	35	47	**53**	**49**	34	**53**	42	44	32	47	44	**51**	32	-
R0966	Residential	NCA03	42	**54**	**48**	44	30	47	41	43	32	**55**	**50**	**57**	39	-
R0967	Residential	NCA01	27	35	42	38	25	44	30	32	22	39	32	40	24	-
R0968	Residential	NCA01	36	47	**53**	**49**	35	**53**	44	45	34	48	45	**52**	33	-
R0969	Residential	NCA01	38	47	**52**	**49**	32	**52**	43	45	33	47	44	**51**	35	-
R0970	Medical facility	NCA03	44	43	39	35	21	38	32	34	23	45	39	46	41	-
R0971	Residential	NCA01	28	36	42	38	24	43	33	35	24	40	33	40	25	-
R0972	Residential	NCA01	39	48	**54**	**50**	36	**54**	46	48	37	48	45	**52**	36	-
R0973	Residential	NCA01	41	**52**	**53**	**49**	31	**52**	44	45	35	**53**	48	**55**	38	-
R0974	Residential	NCA01	41	**49**	**54**	**50**	34	**54**	47	48	38	**50**	45	**52**	38	-
R0975	Medical facility	NCA01	31	40	48	44	30	48	37	39	27	42	38	45	28	-
R0976	Residential	NCA01	48	**53**	**53**	**51**	33	**51**	47	**49**	36	**57**	**49**	**56**	45	-
R0977	Residential	NCA01	36	47	**53**	**49**	33	**53**	43	44	33	47	44	**51**	33	-
R0978	Residential	NCA01	38	47	**53**	**49**	32	**53**	43	45	33	47	44	**51**	35	-
R0979	Residential	NCA03	41	**51**	43	39	25	42	36	38	25	**56**	**48**	**55**	38	-
R0980	Residential	NCA03	40	**53**	45	42	28	44	39	41	30	**55**	**50**	**56**	37	-
R0981	Residential	NCA01	34	45	**52**	48	34	**52**	40	41	30	46	43	**49**	31	-
R0982	Residential	NCA03	39	**51**	46	42	28	45	39	41	30	**56**	**49**	**56**	36	-
R0983	Residential	NCA01	34	46	**53**	**49**	34	**52**	41	42	30	44	43	**50**	31	-
R0984	Residential	NCA01	38	**49**	**54**	**51**	35	**54**	45	47	36	**49**	46	**53**	35	-
R0985	Residential	NCA01	41	**49**	**53**	**50**	33	**53**	46	48	35	**51**	45	**52**	38	-
R0986	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	44	46	34	48	45	**52**	34	-
R0987	Residential	NCA03	43	**52**	**49**	46	31	**49**	43	45	32	**55**	**49**	**55**	40	-
R0988	Residential	NCA01	27	35	41	37	24	41	32	33	22	39	31	38	24	-
R0989	Medical facility	NCA03	41	40	37	34	20	37	30	32	20	43	36	44	38	-
R0990	Residential	NCA01	40	48	**53**	**50**	34	**54**	47	48	37	**51**	45	**52**	37	-
R0991	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	45	47	35	**49**	46	**53**	35	-
R0992	Residential	NCA01	35	48	**53**	**50**	36	**54**	42	44	32	46	45	**51**	32	-
R0993	Residential	NCA01	28	36	44	40	26	45	33	35	23	39	34	40	25	-
R0994	Residential	NCA01	36	48	**54**	**50**	36	**54**	44	45	34	48	45	**52**	33	-
R0995	Residential	NCA01	36	47	**53**	**50**	34	**53**	44	46	34	47	44	**52**	33	-
R0996	Residential	NCA03	41	**52**	**48**	44	30	46	41	43	32	**57**	**50**	**57**	38	-
R0997	Residential	NCA01	36	45	**51**	48	33	**51**	42	44	31	46	43	**50**	33	-
R0998	Residential	NCA01	33	44	**52**	48	34	**51**	40	41	29	44	42	**49**	30	-
R0999	Residential	NCA03	**52**	**50**	43	39	25	42	36	37	27	**53**	**48**	**54**	**49**	-
R1000	Residential	NCA01	34	47	**53**	**49**	33	**53**	40	42	29	45	44	**51**	31	-
R1001	Residential	NCA01	37	47	**51**	48	33	**51**	44	46	35	48	44	**51**	34	-
R1002	Residential	NCA01	37	**49**	**54**	**51**	35	**54**	44	46	34	48	46	**53**	34	-
R1003	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	45	47	36	**49**	46	**53**	35	-
R1004	Residential	NCA01	33	42	**49**	45	30	48	39	41	29	44	39	46	30	-
R1005	Residential	NCA01	26	31	37	33	20	37	28	30	20	37	28	35	23	-
R1006	Residential	NCA01	32	43	**51**	47	32	**50**	38	40	29	43	41	47	29	-
R1007	Residential	NCA03	40	**53**	46	42	29	45	38	40	28	**55**	**50**	**56**	37	-
R1008	Residential	NCA01	27	37	45	42	27	45	30	32	22	39	35	42	24	-
R1009	Residential	NCA01	40	48	**53**	**50**	34	**54**	45	48	36	**51**	45	**52**	37	-
R1010	Residential	NCA01	32	44	**52**	48	33	**51**	38	40	28	42	42	**49**	29	-
R1011	Residential	NCA03	42	**54**	**48**	44	30	47	40	42	31	**57**	**51**	**58**	39	N, V
R1012	Residential	NCA01	48	**53**	**53**	**52**	35	**52**	**50**	**52**	38	**57**	**50**	**57**	45	-
R1013	Residential	NCA01	45	**52**	**51**	**50**	31	**50**	47	**49**	35	**54**	**49**	**56**	42	-
R1014	Residential	NCA01	34	46	**51**	48	32	**52**	36	38	26	45	43	**50**	31	-
R1015	Residential	NCA01	31	39	45	41	27	45	37	38	26	41	36	43	28	-
R1016	Residential	NCA01	41	**50**	**53**	**51**	35	**53**	47	**49**	37	**51**	45	**53**	38	-
R1017	Residential	NCA03	**52**	**54**	44	40	26	43	37	39	27	**53**	**52**	**57**	**49**	-
R1018	Residential	NCA01	42	**50**	**56**	**52**	38	**55**	48	**50**	39	**53**	47	**53**	39	-
R1019	Residential	NCA01	32	43	**49**	45	29	**49**	40	42	31	44	40	47	29	-
R1020	Residential	NCA01	31	46	**52**	48	33	**52**	38	39	27	42	43	**50**	28	-
R1021	Residential	NCA01	37	47	**53**	**49**	34	**53**	43	45	34	47	44	**51**	34	-
R1022	Residential	NCA01	40	48	**54**	**50**	33	**54**	46	48	35	**51**	45	**52**	37	-
R1023	Residential	NCA01	42	**50**	**56**	**51**	38	**55**	48	**50**	39	**52**	46	**54**	39	-
R1024	Residential	NCA03	39	**56**	46	43	28	45	40	42	30	**54**	**54**	**58**	36	N, V
R1025	Medical facility	NCA01	34	46	52	48	34	52	41	42	30	46	43	50	31	-
R1026	Residential	NCA01	28	35	42	38	24	42	32	34	23	40	33	40	25	-
R1027	Residential	NCA03	43	**55**	45	42	28	45	39	41	30	**54**	**52**	**57**	40	-
R1028	Residential	NCA01	39	**49**	**53**	**49**	34	**53**	46	48	37	**50**	45	**52**	36	-
R1029	Residential	NCA03	43	**52**	**50**	47	31	**50**	45	47	34	**56**	**48**	**55**	40	-
R1030	Residential	NCA01	28	38	46	42	28	45	31	33	23	39	35	42	25	-
R1031	Residential	NCA03	42	**52**	**49**	45	31	**48**	42	44	31	**56**	**49**	**56**	39	-
R1032	Residential	NCA01	36	47	**52**	**49**	32	**52**	44	45	34	48	44	**51**	33	-
R1033	Residential	NCA01	41	**49**	**55**	**51**	37	**53**	47	**49**	38	**52**	46	**54**	38	-
R1034	Residential	NCA01	48	**54**	**52**	**53**	35	**52**	**50**	**52**	39	**57**	**51**	**58**	45	-
R1035	Residential	NCA01	38	47	**53**	**49**	33	**53**	42	44	31	**49**	44	**51**	35	-
R1036	Residential	NCA03	44	**54**	46	42	27	45	40	41	29	**53**	**51**	**58**	41	N, V
R1037	Medical facility	NCA03	46	43	39	35	22	38	32	33	23	45	40	47	43	-
R1038	Residential	NCA01	28	36	43	39	24	43	34	35	24	40	33	40	25	-
R1039	Residential	NCA01	35	47	**52**	48	31	**52**	45	47	32	47	45	**52**	32	-
R1040	Residential	NCA01	33	47	**53**	**49**	35	**53**	39	41	30	45	44	**50**	30	-
R1041	Residential	NCA01	28	37	45	40	26	43	31	33	22	40	34	40	25	-
R1042	Residential	NCA01	40	48	**54**	**50**	34	**54**	46	48	37	**50**	45	**52**	37	-
R1043	Residential	NCA01	47	**54**	**54**	**51**	36	**53**	**49**	**51**	38	**57**	**50**	**57**	44	-
R1044	Residential	NCA01	37	48	**54**	**51**	34	**54**	41	43	32	48	46	**53**	34	-
R1045	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	45	47	35	**49**	46	**53**	35	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R1046	Residential	NCA03	47	45	41	38	24	41	34	36	24	**49**	43	**50**	44	-
R1047	Residential	NCA03	41	**52**	**48**	45	30	46	42	43	31	**56**	**49**	**56**	38	-
R1048	Residential	NCA03	43	**55**	47	43	29	45	41	43	31	**56**	**52**	**59**	40	N, V
R1049	Residential	NCA03	44	**54**	**48**	45	31	**48**	42	44	32	**54**	**51**	**58**	41	N, V
R1050	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	44	46	34	**49**	46	**53**	34	-
R1051	Residential	NCA01	29	37	44	40	26	45	34	36	25	41	34	41	26	-
R1052	Residential	NCA03	40	**53**	40	38	23	38	35	36	26	**56**	**50**	**57**	37	-
R1053	Residential	NCA01	47	**54**	**53**	**52**	36	**53**	48	**50**	39	**57**	**50**	**57**	44	-
R1054	Residential	NCA03	46	**54**	**51**	47	33	**50**	44	46	32	**59**	**51**	**57**	43	N, V
R1055	Residential	NCA03	47	**56**	46	42	28	44	40	42	29	**55**	**53**	**59**	44	N, V
R1056	Residential	NCA03	**50**	46	41	38	24	41	35	37	26	**49**	43	**51**	47	-
R1057	Residential	NCA01	40	**49**	**55**	**51**	37	**53**	47	**49**	38	**51**	46	**53**	37	-
R1058	Residential	NCA01	37	**49**	**55**	**51**	36	**55**	44	46	34	48	46	**54**	34	-
R1059	Residential	NCA01	35	48	**54**	**50**	35	**54**	46	48	36	46	45	**52**	32	-
R1060	Residential	NCA01	47	**54**	**53**	**51**	35	**53**	48	**50**	39	**56**	**50**	**57**	44	-
R1061	Residential	NCA01	34	45	**52**	48	32	**52**	41	43	31	45	43	**50**	31	-
R1062	Residential	NCA03	44	**56**	47	43	28	45	40	42	30	**55**	**53**	**60**	41	N, V
R1063	Residential	NCA01	36	48	**54**	**50**	35	**53**	43	45	34	47	45	**52**	33	-
R1064	Residential	NCA03	43	**56**	46	43	29	45	41	43	31	**57**	**53**	**59**	40	N, V
R1065	Residential	NCA01	46	**53**	**53**	**50**	34	**53**	47	**49**	36	**55**	**50**	**57**	43	-
R1066	Residential	NCA01	48	**54**	**53**	**50**	36	**53**	**49**	**50**	39	**56**	**50**	**57**	45	-
R1067	Residential	NCA03	41	**55**	46	43	29	45	40	41	30	**50**	**52**	**56**	38	-
R1068	Residential	NCA01	41	48	**52**	**50**	31	**52**	47	48	36	**52**	45	**52**	38	-
R1069	Residential	NCA01	33	42	48	45	29	48	40	41	29	43	39	46	30	-
R1070	Residential	NCA01	36	47	**53**	**50**	33	**52**	45	46	34	46	45	**52**	33	-
R1071	Residential	NCA03	43	**55**	47	44	30	47	41	43	32	**58**	**52**	**59**	40	N, V
R1072	Residential	NCA01	38	**50**	**55**	**52**	36	**54**	44	46	34	48	47	**53**	35	-
R1073	Residential	NCA03	**50**	46	41	37	24	40	34	36	25	**50**	43	**51**	47	-
R1074	Residential	NCA01	44	**52**	**53**	**49**	32	**53**	47	48	38	**54**	**49**	**56**	41	-
R1075	Residential	NCA01	30	39	46	42	28	46	36	38	24	41	37	44	27	-
R1076	Residential	NCA03	**56**	43	34	31	17	34	26	27	16	44	42	**49**	**53**	-
R1077	Residential	NCA01	33	45	**52**	48	34	**52**	40	41	30	45	42	**49**	30	-
R1078	Residential	NCA01	39	48	**54**	**50**	36	**54**	46	48	37	**50**	45	**52**	36	-
R1079	Residential	NCA01	46	**53**	**53**	**51**	32	**52**	47	**49**	36	**54**	**49**	**56**	43	-
R1080	Residential	NCA01	33	45	**52**	48	34	**52**	39	40	29	44	43	**50**	30	-
R1081	Residential	NCA01	28	37	43	40	26	43	33	35	24	40	35	40	25	-
R1082	Residential	NCA03	**49**	**55**	**53**	**50**	34	**55**	47	**49**	39	**56**	**51**	**58**	46	N, V
R1083	Residential	NCA01	44	**50**	**54**	**50**	35	**53**	46	48	36	**53**	47	**53**	41	-
R1084	Residential	NCA01	38	48	**53**	**50**	33	**53**	41	41	30	**49**	46	**52**	35	-
R1085	Residential	NCA01	27	34	40	36	23	40	32	34	23	39	31	38	24	-
R1086	Educational institute	NCA03	52	43	41	37	24	40	34	36	24	47	40	45	49	-
R1087	Medical facility	NCA03	45	44	39	35	22	39	32	34	24	45	40	47	42	-
R1088	Residential	NCA03	**56**	47	42	38	24	41	35	36	26	**50**	44	**50**	**53**	-
R1089	Residential	NCA01	33	43	**51**	47	32	**51**	39	41	29	44	41	48	30	-
R1090	Residential	NCA01	24	30	34	30	17	34	26	28	18	36	27	34	21	-
R1091	Residential	NCA03	44	**51**	**48**	44	30	**48**	41	42	31	**57**	**48**	**55**	41	-
R1092	Residential	NCA01	37	48	**54**	**50**	34	**54**	43	45	33	48	46	**52**	34	-
R1093	Residential	NCA01	40	**49**	**54**	**51**	34	**54**	47	**49**	37	**51**	46	**53**	37	-
R1094	Residential	NCA03	41	**51**	44	42	26	42	39	41	30	**56**	**49**	**56**	38	-
R1095	Residential	NCA03	41	**55**	46	45	29	45	42	43	32	**57**	**52**	**58**	38	N, V
R1096	Residential	NCA01	24	30	35	32	18	35	28	30	19	36	27	34	21	-
R1097	Residential	NCA03	40	**52**	44	41	26	43	37	39	28	**54**	**49**	**54**	37	-
R1098	Residential	NCA01	23	32	38	34	20	38	27	29	17	34	30	36	20	-
R1099	Medical facility	NCA03	44	44	39	35	22	39	32	34	23	45	40	47	41	-
R1100	Residential	NCA01	30	38	44	40	25	43	35	37	26	42	35	42	27	-
R1101	Residential	NCA03	42	**53**	46	44	29	45	41	43	31	**57**	**49**	**56**	39	-
R1102	Residential	NCA01	36	48	**53**	**50**	34	**53**	43	45	34	48	45	**52**	33	-
R1103	Residential	NCA03	**53**	46	41	38	24	41	34	36	22	**50**	44	**52**	**50**	-
R1104	Residential	NCA03	40	**50**	42	39	25	41	36	38	26	**51**	47	**54**	37	-
R1105	Residential	NCA01	30	41	**49**	45	30	48	33	35	25	41	39	45	27	-
R1106	Residential	NCA01	30	43	**51**	47	32	**50**	37	38	27	42	41	47	27	-
R1107	Residential	NCA03	45	**53**	**50**	47	32	**49**	45	46	34	**56**	**50**	**57**	42	-
R1108	Residential	NCA01	47	**54**	**54**	**51**	35	**54**	48	**49**	38	**55**	**51**	**58**	44	-
R1109	Residential	NCA01	27	39	46	42	27	46	29	31	20	38	36	43	24	-
R1110	Residential	NCA01	23	35	41	37	23	41	26	28	18	35	32	37	20	-
R1111	Residential	NCA01	34	47	**54**	**49**	35	**53**	40	42	30	45	44	**51**	31	-
R1112	Residential	NCA01	32	44	**50**	47	31	**50**	39	41	29	44	42	**49**	29	-
R1113	Residential	NCA03	**54**	**50**	42	39	25	42	35	37	25	**52**	**48**	**55**	**51**	-
R1114	Residential	NCA01	33	42	**49**	45	30	**49**	39	41	29	44	39	46	30	-
R1115	Residential	NCA01	29	38	45	41	27	45	36	37	26	40	35	42	26	-
R1116	Residential	NCA03	43	**54**	46	42	28	44	39	41	30	**50**	**51**	**58**	40	N, V
R1117	Residential	NCA01	41	**50**	**55**	**50**	36	**54**	48	**49**	38	**53**	46	**54**	38	-
R1118	Residential	NCA01	30	39	47	43	29	47	33	35	25	41	37	43	27	-
R1119	Residential	NCA01	39	**49**	**54**	**51**	37	**54**	47	**49**	38	**51**	46	**53**	36	-
R1120	Residential	NCA01	41	**51**	**57**	**53**	39	**55**	**49**	**51**	40	**52**	48	**56**	38	-
R1121	Residential	NCA01	41	**50**	**55**	**52**	37	**53**	48	**50**	37	**51**	47	**54**	38	-
R1122	Residential	NCA01	26	31	36	32	19	35	27	29	20	38	28	35	23	-
R1123	Residential	NCA03	**52**	46	39	36	22	39	32	34	22	**51**	43	**50**	**49**	-
R1124	Residential	NCA01	41	**49**	**55**	**51**	36	**54**	46	48	37	**50**	46	**53**	38	-
R1125	Residential	NCA01	36	48	**54**	**50**	33	**54**	38	40	28	48	45	**52**	33	-
R1126	Residential	NCA01	34	46	**53**	**50**	35	**53**	40	42	30	45	44	**51**	31	-
R1127	Residential	NCA01	41	**51**	**56**	**53**	39	**56**	48	**51**	40	**52**	48	**55**	38	-
R1128	Residential	NCA03	40	**54**	44	40	25	43	36	38	27	**53**	**52**	**58**	37	N, V
R1129	Residential	NCA01	26	34	40	36	22	40	31	33	23	38	31	37	23	-
R1130	Residential	NCA01	41	**49**	**56**	**52**	38	**53**	48	**50**	39	**51**	46	**53**	38	-
R1131	Residential	NCA03	**54**	46	39	35	21	38	32	33	22	46	42	**49**	**51**	-
R1132	Residential	NCA01	36	**49**	**54**	**50**	35	**53**	43	44	34	47	45	**51**	33	-
R1133	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	45	47	34	**49**	47	**54**	35	-
R1134	Commercial	NCA03	46	45	40	37	23	40	33	35	25	47	42	49	43	-
R1135	Residential	NCA01	42	**51**	**56**	**53**	38	**56**	48	**51**	39	**52**	48	**55**	39	-
R1136	Residential	NCA01	31	40	46	42	27	46	37	38	27	42	37	44	28	-
R1137	Residential	NCA01	40	**49**	**55**	**52**	35	**55**	46	**49**	38	**51**	46	**53**	37	-
R1138	Residential	NCA03	**55**	**51**	43	39	26	42	36	37	25	**53**	**49**	**55**	**52**	-
R1139	Residential	NCA03	44	**58**	**48**	45	30	46	41	43	32	**55**	**54**	**60**	41	N, V
R1140	Residential	NCA01	35	48	**53**	**50**	33	**53**	42	44	31	47	45	**53**	32	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1141	Residential	NCA01	31	43	48	45	30	**49**	37	38	27	42	40	46	28	-
R1142	Residential	NCA03	44	**52**	**48**	44	30	47	40	42	31	**56**	**48**	**55**	41	-
R1143	Residential	NCA01	36	48	**53**	**50**	33	**53**	45	45	33	46	45	**52**	33	-
R1144	Residential	NCA01	36	48	**54**	**51**	34	**54**	43	44	33	48	45	**52**	33	-
R1145	Residential	NCA01	33	43	**50**	46	31	**50**	39	41	29	43	40	47	30	-
R1146	Residential	NCA03	42	**53**	46	43	28	45	40	41	30	**54**	**50**	**57**	39	-
R1147	Residential	NCA01	36	46	**52**	**49**	34	**52**	44	45	33	47	44	**51**	33	-
R1148	Residential	NCA01	41	**51**	**56**	**53**	37	**56**	48	**50**	37	**52**	48	**55**	38	-
R1149	Residential	NCA03	42	**53**	46	44	29	45	41	42	32	**56**	**49**	**56**	39	-
R1150	Residential	NCA03	**54**	**51**	44	41	27	44	38	39	26	**53**	**48**	**55**	**51**	-
R1151	Residential	NCA01	33	47	**54**	**50**	37	**54**	41	43	31	44	45	**52**	30	-
R1152	Residential	NCA03	**50**	**57**	**53**	**51**	34	**53**	47	**49**	36	**60**	**53**	**60**	47	N, V
R1153	Residential	NCA03	43	**55**	42	39	25	42	36	37	26	**53**	**52**	**59**	40	N, V
R1154	Residential	NCA03	40	**54**	44	41	26	44	38	40	29	**53**	**52**	**57**	37	-
R1155	Residential	NCA01	23	32	37	34	20	39	27	29	19	35	28	34	20	-
R1156	Residential	NCA01	38	48	**54**	**50**	35	**53**	45	47	36	**49**	45	**51**	35	-
R1157	Residential	NCA01	31	45	**52**	48	34	**52**	38	39	28	43	43	**49**	28	-
R1158	Residential	NCA01	36	48	**54**	**50**	35	**54**	42	44	34	47	45	**52**	33	-
R1159	Residential	NCA01	28	36	44	39	26	45	33	35	24	40	33	41	25	-
R1160	Residential	NCA03	42	**53**	**49**	46	31	**49**	44	43	30	**57**	**50**	**57**	39	-
R1161	Residential	NCA03	41	**55**	44	41	25	43	38	39	28	**53**	**52**	**58**	38	N, V
R1162	Residential	NCA01	28	38	43	39	25	43	35	36	25	40	34	41	25	-
R1163	Residential	NCA03	40	**51**	46	42	28	45	40	41	30	**52**	**50**	**57**	37	-
R1164	Residential	NCA01	28	36	44	39	26	43	31	33	23	40	33	40	25	-
R1165	Residential	NCA01	28	37	43	40	25	44	34	35	24	40	34	41	25	-
R1166	Residential	NCA01	35	47	**54**	**50**	35	**54**	42	44	31	46	45	**52**	32	-
R1167	Residential	NCA03	**54**	**53**	46	42	27	44	38	39	28	**54**	**51**	**57**	**51**	-
R1168	Residential	NCA03	41	**57**	45	41	27	43	38	40	29	**55**	**53**	**60**	38	N, V
R1169	Residential	NCA01	27	33	39	35	23	39	31	33	22	39	30	37	24	-
R1170	Residential	NCA03	**54**	44	36	33	18	36	29	31	16	47	41	**48**	**51**	-
R1171	Residential	NCA01	38	**49**	**55**	**51**	36	**55**	44	45	32	**49**	46	**53**	35	-
R1172	Residential	NCA03	40	**56**	46	42	28	45	39	41	30	**53**	**53**	**59**	37	N, V
R1173	Residential	NCA01	31	43	**50**	46	32	**50**	37	39	27	42	41	47	28	-
R1174	Residential	NCA01	37	**50**	**55**	**52**	36	**55**	44	46	33	48	47	**54**	34	-
R1175	Residential	NCA01	36	47	**53**	**50**	35	**53**	43	44	33	47	45	**52**	33	-
R1176	Residential	NCA01	39	**50**	**56**	**53**	38	**56**	47	**49**	39	**51**	47	**55**	36	-
R1177	Residential	NCA01	37	**50**	**55**	**52**	35	**55**	46	48	35	**49**	47	**54**	34	-
R1178	Residential	NCA01	37	**50**	**55**	**51**	36	**55**	45	47	35	48	47	**55**	34	-
R1179	Commercial	NCA01	36	50	55	52	36	55	44	46	33	48	47	54	33	-
R1180	Residential	NCA01	40	**51**	**56**	**52**	37	**55**	48	**49**	38	**51**	47	**54**	37	-
R1181	Residential	NCA03	42	**55**	45	42	27	44	39	40	30	**55**	**53**	**60**	39	N, V
R1182	Residential	NCA03	**52**	**57**	**55**	**52**	35	**54**	**49**	**51**	38	**60**	**53**	**60**	**49**	N, V
R1183	Residential	NCA03	40	**56**	46	43	29	45	40	42	31	**55**	**53**	**60**	37	N, V
R1184	Residential	NCA03	41	**52**	**52**	**48**	32	**50**	46	**48**	35	**58**	**50**	**57**	38	N, V
R1185	Residential	NCA03	44	**56**	45	42	27	44	39	40	29	**53**	**52**	**59**	41	N, V
R1186	Residential	NCA01	31	46	**51**	48	34	**54**	35	36	26	42	42	**49**	28	-
R1187	Residential	NCA03	44	**54**	**49**	45	30	46	43	44	32	**57**	**51**	**58**	41	N, V
R1188	Residential	NCA03	40	**53**	45	42	27	44	39	40	28	**51**	**52**	**59**	37	N, V
R1189	Residential	NCA03	42	**55**	46	43	29	45	40	42	30	**56**	**52**	**57**	39	-
R1190	Residential	NCA01	32	47	**55**	**51**	36	**54**	39	40	28	44	45	**52**	29	-
R1191	Residential	NCA01	36	**50**	**55**	**52**	38	**55**	44	45	33	46	47	**53**	33	-
R1192	Residential	NCA03	43	**52**	47	43	30	45	40	42	31	**57**	**50**	**57**	40	-
R1193	Residential	NCA01	39	**50**	**56**	**52**	37	**55**	48	**49**	38	**51**	47	**54**	36	-
R1194	Residential	NCA01	26	38	45	41	28	45	30	32	22	38	35	42	23	-
R1195	Residential	NCA01	47	**54**	**54**	**53**	36	**53**	**50**	**52**	38	**55**	**50**	**57**	44	-
R1196	Residential	NCA01	32	46	**53**	**50**	35	**53**	39	40	29	44	44	**51**	29	-
R1197	Residential	NCA03	**58**	**48**	42	38	24	41	34	37	24	**48**	44	**51**	**55**	N, V
R1198	Residential	NCA01	42	**51**	**54**	**50**	34	**54**	**49**	**51**	39	**52**	47	**54**	39	-
R1199	Residential	NCA01	33	45	**51**	48	33	**51**	40	41	29	44	43	**50**	30	-
R1200	Residential	NCA01	39	**50**	**55**	**52**	36	**56**	46	48	37	**51**	47	**54**	36	-
R1201	Residential	NCA01	37	48	**53**	**50**	34	**54**	45	47	35	48	46	**52**	34	-
R1202	Residential	NCA01	46	**53**	**52**	**52**	32	**52**	**49**	**51**	40	**55**	**50**	**57**	43	-
R1203	Residential	NCA01	38	**49**	**55**	**51**	34	**54**	45	47	35	**49**	47	**53**	35	-
R1204	Residential	NCA01	29	41	**49**	45	31	**49**	33	35	25	41	39	46	26	-
R1205	Residential	NCA03	42	**52**	45	42	28	44	39	41	29	**59**	**50**	**57**	39	N, V
R1206	Residential	NCA01	29	37	43	39	26	43	33	35	24	40	34	41	26	-
R1207	Residential	NCA01	29	36	43	39	26	45	34	35	24	41	33	41	26	-
R1208	Residential	NCA01	42	**50**	**55**	**51**	34	**54**	48	**49**	36	**53**	47	**53**	39	-
R1209	Residential	NCA01	32	46	**51**	48	32	**51**	39	41	30	44	40	47	29	-
R1210	Residential	NCA03	**57**	47	42	38	23	41	34	36	24	47	44	**51**	**54**	-
R1211	Residential	NCA01	31	44	**51**	47	33	**51**	36	38	27	42	42	**49**	28	-
R1212	Residential	NCA03	42	**54**	42	38	25	42	34	36	26	**59**	**51**	**57**	39	N, V
R1213	Residential	NCA03	47	**58**	47	43	28	45	40	41	29	**56**	**55**	**62**	44	N, V
R1214	Residential	NCA01	29	40	47	43	30	47	31	33	23	40	38	44	26	-
R1215	Residential	NCA03	46	**54**	**51**	47	32	**48**	41	43	29	**59**	**51**	**58**	43	N, V
R1216	Residential	NCA01	32	40	47	43	29	47	37	39	28	44	37	44	29	-
R1217	Residential	NCA01	39	**50**	**56**	**52**	36	**56**	46	48	37	**51**	47	**54**	36	-
R1218	Residential	NCA03	**55**	**52**	44	41	26	43	37	39	28	**53**	**49**	**56**	**52**	-
R1219	Residential	NCA03	**58**	**48**	42	38	23	41	35	37	24	**48**	45	**52**	**55**	N, V
R1220	Residential	NCA03	43	**53**	46	44	28	45	40	42	31	**58**	**50**	**57**	40	N, V
R1221	Residential	NCA01	40	**50**	**56**	**52**	36	**56**	47	**50**	38	**51**	47	**54**	37	-
R1222	Residential	NCA01	29	39	46	42	28	46	33	35	25	40	37	42	26	-
R1223	Residential	NCA01	38	**49**	**54**	**51**	34	**53**	44	45	33	**50**	47	**54**	35	-
R1224	Residential	NCA01	27	36	42	39	26	43	31	33	23	39	33	40	24	-
R1225	Residential	NCA01	31	43	**50**	46	32	**50**	38	39	28	43	40	47	28	-
R1226	Residential	NCA03	**58**	**49**	43	39	25	42	36	38	25	**49**	45	**52**	**55**	N, V
R1227	Residential	NCA01	33	46	**51**	47	33	**54**	38	39	29	44	41	48	30	-
R1228	Residential	NCA01	37	48	**54**	**50**	33	**53**	43	45	32	48	45	**52**	34	-
R1229	Residential	NCA03	**59**	**49**	43	39	24	42	36	38	26	**48**	44	**52**	**56**	N, V
R1230	Residential	NCA03	43	**57**	47	44	30	46	41	43	31	**59**	**55**	**62**	40	N, V
R1231	Residential	NCA01	40	**50**	**55**	**53**	37	**54**	**49**	**51**	39	**51**	47	**54**	37	-
R1232	Residential	NCA01	27	36	43	39	26	43	31	33	22	39	33	40	24	-
R1233	Residential	NCA03	38	**52**	43	40	25	42	37	39	27	**50**	**51**	**58**	35	N, V
R1234	Residential	NCA01	38	**50**	**53**	**51**	32	**53**	45	47	34	**49**	46	**53**	35	-
R1235	Residential	NCA03	**60**	**48**	43	39	25	42	36	37	26	**51**	46	**53**	**57**	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R1236	Residential	NCA01	23	33	40	35	21	42	27	29	18	35	29	35	20	-
R1237	Residential	NCA01	37	**49**	**53**	**50**	33	**53**	42	43	30	48	45	**52**	34	-
R1238	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	45	47	35	**50**	47	**54**	35	-
R1239	Residential	NCA01	39	**51**	**56**	**53**	38	**56**	46	48	37	**50**	47	**54**	36	-
R1240	Residential	NCA01	42	**51**	**54**	**51**	32	**54**	48	**50**	39	**52**	47	**54**	39	-
R1241	Residential	NCA03	40	**57**	42	39	25	41	36	38	27	**52**	**54**	**61**	37	N, V
R1242	Residential	NCA01	24	33	40	36	23	41	27	29	19	36	30	37	21	-
R1243	Residential	NCA01	30	41	48	44	30	48	32	34	23	41	38	45	27	-
R1244	Residential	NCA01	35	46	**52**	**49**	34	**53**	41	43	31	46	43	**51**	32	-
R1245	Medical facility	NCA01	32	47	54	50	36	54	39	41	29	44	45	52	29	-
R1246	Residential	NCA01	20	30	35	32	18	39	24	26	16	32	26	34	17	-
R1247	Residential	NCA01	21	27	34	30	17	35	25	26	15	32	25	32	18	-
R1248	Residential	NCA01	47	**53**	**50**	**52**	31	**50**	**52**	**54**	40	**56**	**51**	**57**	44	-
R1249	Residential	NCA01	41	**51**	**57**	**53**	39	**54**	**49**	**51**	40	**51**	47	**54**	38	-
R1250	Residential	NCA03	44	**57**	45	44	28	44	41	42	31	**59**	**54**	**61**	41	N, V
R1251	Residential	NCA01	39	**52**	**57**	**53**	39	**55**	**49**	**51**	41	**50**	48	**55**	36	-
R1252	Residential	NCA03	45	**58**	**49**	45	31	47	41	43	32	**57**	**54**	**61**	42	N, V
R1253	Residential	NCA03	43	**55**	47	43	30	46	40	42	32	**58**	**52**	**58**	40	N, V
R1254	Residential	NCA01	41	**50**	**55**	**52**	37	**54**	47	**49**	38	**51**	46	**54**	38	-
R1255	Residential	NCA03	**60**	**48**	42	39	23	43	36	38	25	**52**	46	**53**	**57**	N, V
R1256	Residential	NCA03	40	**57**	45	42	27	44	39	40	29	**56**	**55**	**60**	37	N, V
R1257	Residential	NCA01	25	32	39	35	22	39	29	31	21	36	30	38	22	-
R1258	Residential	NCA03	**59**	**49**	43	40	25	42	36	38	25	**50**	46	**53**	**56**	N, V
R1259	Residential	NCA01	43	**51**	**54**	**51**	33	**54**	**49**	**51**	39	**53**	47	**54**	40	-
R1260	Residential	NCA01	38	**51**	**56**	**53**	37	**56**	45	47	35	**49**	48	**55**	35	-
R1261	Residential	NCA01	44	**52**	**56**	**53**	38	**56**	**50**	**52**	41	**54**	**49**	**55**	41	-
R1262	Residential	NCA03	44	**58**	42	38	24	41	34	36	25	**54**	**56**	**61**	41	N, V
R1263	Residential	NCA03	42	**56**	47	45	30	46	42	43	33	**57**	**52**	**58**	39	N, V
R1264	Residential	NCA01	28	47	**54**	**50**	35	**54**	35	36	24	40	45	**52**	25	-
R1265	Residential	NCA03	39	**56**	42	40	25	42	37	38	27	**55**	**53**	**59**	36	N, V
R1266	Residential	NCA03	**60**	**50**	43	39	25	44	36	38	25	**51**	47	**54**	**57**	N, V
R1267	Residential	NCA01	42	**52**	**57**	**54**	40	**57**	**50**	**52**	40	**54**	**49**	**56**	39	-
R1268	Residential	NCA01	31	38	43	40	25	43	35	36	26	42	35	41	28	-
R1269	Residential	NCA01	28	40	47	43	29	47	32	34	24	40	37	44	25	-
R1270	Residential	NCA03	43	**55**	47	43	28	45	40	41	30	**56**	**53**	**60**	40	N, V
R1271	Residential	NCA01	28	38	46	42	28	45	32	34	21	38	36	42	25	-
R1272	Residential	NCA01	41	**50**	**55**	**52**	35	**54**	47	48	36	**52**	47	**54**	38	-
R1273	Residential	NCA01	34	**49**	**54**	**50**	36	**54**	41	43	31	44	45	**52**	31	-
R1274	Residential	NCA01	36	**49**	**55**	**50**	35	**55**	44	46	32	47	46	**53**	33	-
R1275	Residential	NCA01	40	**50**	**55**	**52**	35	**55**	47	**49**	36	**49**	47	**54**	37	-
R1276	Residential	NCA01	37	**52**	**57**	**54**	37	**57**	44	45	33	48	**49**	**55**	34	-
R1277	Residential	NCA01	36	**50**	**56**	**52**	38	**56**	43	45	32	47	46	**52**	33	-
R1278	Residential	NCA01	33	45	**51**	48	32	**52**	40	42	30	45	42	**50**	30	-
R1279	Residential	NCA01	22	29	35	31	18	36	26	28	18	34	26	33	19	-
R1280	Residential	NCA03	42	**56**	44	41	26	43	38	39	27	**53**	**53**	**60**	39	N, V
R1281	Residential	NCA03	**60**	**52**	44	41	26	43	38	40	28	**53**	**49**	**56**	**57**	N, V
R1282	Residential	NCA03	43	**59**	45	42	28	45	39	40	28	**53**	**57**	**64**	40	N, V
R1283	Residential	NCA01	24	30	34	31	17	35	27	29	20	35	27	34	21	-
R1284	Residential	NCA03	**57**	**53**	45	42	27	44	38	40	29	**54**	**50**	**57**	**54**	-
R1285	Residential	NCA01	43	**51**	**54**	**52**	36	**54**	**49**	**50**	39	**53**	**49**	**55**	40	-
R1286	Residential	NCA01	35	47	**54**	**50**	34	**54**	42	44	32	47	45	**52**	32	-
R1287	Residential	NCA01	24	30	38	34	21	39	28	30	20	37	28	35	21	-
R1288	Residential	NCA01	41	**52**	**56**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	-
R1289	Residential	NCA01	21	29	36	32	19	36	26	29	17	32	27	33	18	-
R1290	Residential	NCA01	39	**51**	**57**	**53**	38	**57**	46	48	35	**49**	48	**55**	36	-
R1291	Residential	NCA01	41	**52**	**57**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	-
R1292	Residential	NCA03	45	**56**	41	38	22	40	35	37	24	**51**	**53**	**62**	42	N, V
R1293	Residential	NCA03	43	**57**	44	40	26	43	37	39	27	**52**	**54**	**61**	40	N, V
R1294	Residential	NCA03	42	**59**	46	43	28	46	40	42	30	**54**	**57**	**63**	39	N, V
R1295	Residential	NCA03	**53**	**61**	46	42	28	45	39	40	30	**56**	**57**	**64**	**50**	N, V
R1296	Residential	NCA01	31	42	**49**	46	32	**49**	35	37	26	43	40	47	28	-
R1297	Residential	NCA01	30	40	47	43	29	47	35	37	26	41	38	44	27	-
R1298	Residential	NCA01	46	**53**	**54**	**51**	34	**54**	47	**49**	38	**55**	**49**	**56**	43	-
R1299	Residential	NCA01	41	**51**	**56**	**53**	35	**56**	48	**50**	39	**50**	48	**55**	38	-
R1300	Residential	NCA01	30	43	48	44	30	**49**	36	38	26	42	39	45	27	-
R1301	Residential	NCA01	30	43	48	44	30	**49**	36	38	26	42	39	45	27	-
R1302	Residential	NCA01	39	**50**	**55**	**52**	35	**55**	45	47	36	**49**	46	**53**	36	-
R1303	Residential	NCA01	36	48	**55**	**51**	37	**55**	42	44	33	47	46	**53**	33	-
R1304	Residential	NCA01	40	**50**	**55**	**52**	34	**55**	45	47	36	**50**	47	**54**	37	-
R1305	Residential	NCA01	28	39	47	43	29	47	32	34	23	39	37	44	25	-
R1306	Residential	NCA01	28	36	43	39	25	43	34	34	24	40	34	40	25	-
R1307	Residential	NCA03	**48**	**54**	45	42	28	44	39	40	29	**55**	**50**	**57**	45	-
R1308	Residential	NCA03	43	**59**	46	42	28	45	40	41	30	**53**	**57**	**60**	40	N, V
R1309	Residential	NCA03	42	**58**	46	43	28	46	40	42	31	**58**	**54**	**60**	39	N, V
R1310	Residential	NCA01	18	25	31	27	15	31	22	24	14	30	21	29	15	-
R1311	Residential	NCA01	26	36	42	38	24	43	30	32	22	38	33	39	23	-
R1312	Residential	NCA01	41	**52**	**56**	**53**	37	**55**	**49**	**52**	40	**50**	48	**55**	38	-
R1313	Residential	NCA03	**49**	**59**	**53**	**50**	34	**51**	47	**49**	36	**65**	**56**	**63**	46	N, V
R1314	Residential	NCA01	32	43	**51**	47	32	**51**	39	41	28	44	41	48	29	-
R1315	Residential	NCA01	37	**49**	**54**	**51**	32	**54**	44	46	33	48	46	**53**	34	-
R1316	Residential	NCA01	30	41	47	45	30	47	36	37	26	42	39	45	27	-
R1317	Residential	NCA01	38	**49**	**53**	**51**	33	**54**	45	47	35	48	46	**53**	35	-
R1318	Residential	NCA01	27	39	46	42	28	46	33	35	24	39	36	43	24	-
R1319	Residential	NCA01	25	36	42	39	24	42	30	32	20	37	33	40	22	-
R1320	Residential	NCA01	28	38	46	42	28	47	33	34	23	40	36	42	25	-
R1321	Residential	NCA01	32	42	**49**	45	31	**49**	39	40	28	44	39	46	29	-
R1322	Residential	NCA01	33	44	**52**	48	34	**51**	39	40	28	45	42	**49**	30	-
R1323	Residential	NCA03	44	**58**	39	37	21	39	32	34	21	**57**	**55**	**61**	41	N, V
R1324	Residential	NCA01	43	**53**	**54**	**52**	34	**54**	**49**	**51**	40	**53**	**49**	**55**	40	-
R1325	Residential	NCA03	44	**59**	**49**	45	30	47	42	44	32	**60**	**55**	**62**	41	N, V
R1326	Residential	NCA01	38	**50**	**55**	**52**	36	**55**	44	46	33	48	47	**54**	35	-
R1327	Residential	NCA01	27	33	39	35	22	41	30	33	22	38	30	37	24	-
R1328	Residential	NCA01	30	40	47	43	29	47	33	35	25	42	37	44	27	-
R1329	Residential	NCA01	46	**52**	**56**	**53**	36	**55**	46	47	37	**55**	48	**55**	43	-
R1330	Residential	NCA01	24	32	40	36	23	40	29	31	19	35	30	37	21	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1331	Residential	NCA03	44	**58**	47	45	29	45	42	44	31	**60**	**55**	**63**	41	N, V
R1332	Residential	NCA03	43	**53**	47	44	30	46	41	43	32	**56**	**50**	**57**	40	-
R1333	Residential	NCA01	38	48	**54**	**50**	34	**53**	46	48	36	48	45	**52**	35	-
R1334	Residential	NCA03	**52**	**60**	**54**	**50**	34	**52**	**48**	**50**	37	**64**	**56**	**63**	**49**	N, V
R1335	Residential	NCA03	**52**	**60**	**53**	**50**	35	**52**	47	**48**	37	**64**	**57**	**63**	**49**	N, V
R1336	Residential	NCA01	38	**50**	**56**	**52**	35	**55**	46	48	34	**50**	47	**54**	35	-
R1337	Residential	NCA01	43	**52**	**56**	**54**	37	**57**	**50**	**52**	40	**55**	**49**	**55**	40	-
R1338	Residential	NCA03	43	**57**	**48**	44	30	47	42	43	30	**56**	**54**	**60**	40	N, V
R1339	Residential	NCA01	36	**50**	**54**	**52**	34	**54**	41	43	31	47	47	**54**	33	-
R1340	Residential	NCA03	45	**55**	**49**	45	32	47	44	44	33	**60**	**52**	**59**	42	N, V
R1341	Residential	NCA01	32	45	**53**	**49**	35	**52**	38	40	28	44	43	**50**	29	-
R1342	Residential	NCA03	44	**60**	47	44	29	46	42	43	31	**59**	**57**	**64**	41	N, V
R1343	Residential	NCA01	29	37	43	40	25	43	34	36	25	41	34	41	26	-
R1344	Residential	NCA01	25	33	40	36	22	41	29	31	19	36	31	38	22	-
R1345	Residential	NCA03	45	**61**	**49**	46	31	47	43	44	32	**61**	**57**	**64**	42	N, V
R1346	Residential	NCA01	31	40	48	44	30	47	36	38	26	43	38	45	28	-
R1347	Residential	NCA03	45	**60**	**48**	45	31	47	42	44	31	**58**	**56**	**63**	42	N, V
R1348	Medical facility	NCA01	34	46	55	51	35	54	40	41	30	45	44	51	31	-
R1349	Residential	NCA01	36	**50**	**54**	**51**	34	**54**	43	44	32	46	46	**53**	33	-
R1350	Commercial	NCA04	46	45	41	37	23	41	34	36	24	46	39	46	43	-
R1351	Residential	NCA01	36	47	**51**	48	31	**52**	44	46	33	47	44	**51**	33	-
R1352	Residential	NCA01	30	38	42	39	24	43	35	37	26	42	34	41	27	-
R1353	Residential	NCA01	20	29	35	31	19	36	25	27	16	32	26	33	17	-
R1354	Residential	NCA01	45	**54**	**55**	**53**	36	**54**	**51**	**52**	40	**56**	**50**	**57**	42	-
R1355	Residential	NCA01	33	46	**54**	**50**	35	**54**	39	41	29	44	44	**51**	30	-
R1356	Residential	NCA01	47	**55**	**53**	**54**	35	**53**	**52**	**53**	42	**54**	**50**	**57**	44	-
R1357	Residential	NCA01	30	40	46	42	28	46	36	37	26	42	37	44	27	-
R1358	Residential	NCA01	25	32	39	35	22	39	29	31	20	37	29	36	22	-
R1359	Residential	NCA03	44	**60**	**48**	45	30	47	42	44	31	**61**	**56**	**63**	41	N, V
R1360	Residential	NCA01	30	39	45	41	27	44	34	36	25	42	36	43	27	-
R1361	Residential	NCA01	42	**54**	**60**	**56**	42	**57**	**52**	**54**	41	**52**	**51**	**58**	39	N, V
R1362	Residential	NCA01	36	48	**53**	**50**	35	**54**	43	45	33	48	44	**51**	33	-
R1363	Residential	NCA01	39	**51**	**57**	**53**	37	**57**	46	48	36	**50**	48	**55**	36	-
R1364	Residential	NCA01	44	**53**	**58**	**54**	41	**57**	**50**	**53**	41	**54**	**49**	**56**	41	-
R1365	Residential	NCA01	37	**51**	**55**	**53**	35	**55**	43	45	32	47	47	**55**	34	-
R1366	Residential	NCA01	30	37	42	39	25	42	34	36	26	42	33	40	27	-
R1367	Residential	NCA01	25	34	41	37	23	43	29	31	20	37	31	39	22	-
R1368	Commercial	NCA01	34	48	55	51	37	55	42	43	31	46	46	52	31	-
R1369	Residential	NCA03	45	**62**	**48**	45	30	46	42	44	32	**60**	**58**	**65**	42	N, V
R1370	Residential	NCA01	29	36	42	38	24	42	34	36	26	42	33	40	26	-
R1371	Residential	NCA01	38	**52**	**56**	**53**	37	**57**	46	48	35	**49**	48	**56**	35	-
R1372	Residential	NCA03	44	**61**	**49**	46	31	47	43	45	32	**62**	**58**	**64**	41	N, V
R1373	Residential	NCA01	44	**54**	**60**	**56**	40	**57**	**52**	**54**	42	**56**	**51**	**58**	41	N, V
R1374	Residential	NCA03	**51**	**63**	46	42	28	45	39	40	28	**57**	**60**	**67**	**48**	N, V
R1375	Residential	NCA01	44	**53**	**59**	**56**	42	**57**	**51**	**53**	43	**54**	**50**	**57**	41	N, V
R1376	Residential	NCA01	43	**51**	**57**	**53**	39	**55**	**49**	**51**	41	**52**	48	**55**	40	-
R1377	Residential	NCA03	45	**62**	**48**	46	31	46	43	44	33	**58**	**58**	**65**	42	N, V
R1378	Residential	NCA03	42	**56**	46	43	27	45	41	42	30	**59**	**52**	**59**	39	N, V
R1379	Residential	NCA01	30	44	**52**	47	33	**51**	38	39	27	42	41	**49**	27	-
R1380	Residential	NCA03	46	**57**	**49**	46	31	47	43	45	32	**61**	**53**	**60**	43	N, V
R1381	Residential	NCA01	36	**50**	**54**	**51**	34	**55**	43	45	32	47	47	**53**	33	-
R1382	Residential	NCA01	30	38	44	41	26	44	34	36	25	42	35	42	27	-
R1383	Residential	NCA01	26	35	41	37	23	43	30	31	20	39	32	39	23	-
R1384	Residential	NCA01	39	**50**	**55**	**52**	34	**55**	46	48	35	**51**	47	**54**	36	-
R1385	Residential	NCA01	39	**51**	**55**	**52**	35	**55**	47	**49**	37	**50**	47	**54**	36	-
R1386	Residential	NCA01	24	31	38	36	21	41	28	30	20	36	29	36	21	-
R1387	Residential	NCA03	45	**58**	**48**	45	29	46	43	44	32	**61**	**55**	**62**	42	N, V
R1388	Residential	NCA01	40	**51**	**55**	**53**	36	**54**	48	**50**	37	**51**	48	**55**	37	-
R1389	Residential	NCA03	41	**61**	45	42	28	44	39	40	27	**56**	**57**	**62**	38	N, V
R1390	Residential	NCA03	**53**	**64**	45	41	27	44	37	39	25	**55**	**60**	**67**	**50**	N, V
R1391	Residential	NCA01	28	38	46	42	28	47	33	35	24	39	36	43	25	-
R1392	Residential	NCA01	27	39	45	42	27	45	33	35	24	39	36	43	24	-
R1393	Residential	NCA03	41	**58**	47	43	28	46	41	41	30	**53**	**55**	**62**	38	N, V
R1394	Residential	NCA03	45	**62**	45	42	27	44	39	40	27	**57**	**60**	**65**	42	N, V
R1395	Residential	NCA01	35	**49**	**54**	**51**	35	**54**	42	43	30	47	46	**53**	32	-
R1396	Residential	NCA03	47	**62**	39	35	22	38	32	33	21	47	**59**	**65**	44	N, V
R1397	Residential	NCA03	46	**61**	46	42	28	44	39	40	28	**55**	**57**	**62**	43	N, V
R1398	Commercial	NCA01	33	48	55	51	37	55	40	42	30	45	46	53	30	-
R1399	Residential	NCA03	47	**64**	43	39	25	42	37	38	26	**56**	**61**	**67**	44	N, V
R1400	Residential	NCA01	39	**51**	**55**	**53**	35	**55**	46	48	36	**49**	47	**54**	36	-
R1401	Residential	NCA03	42	**54**	47	44	28	45	41	42	30	**57**	**51**	**58**	39	N, V
R1402	Residential	NCA01	26	32	38	35	21	40	30	32	21	37	29	36	23	-
R1403	Residential	NCA01	28	41	**49**	45	30	**49**	34	36	25	40	39	45	25	-
R1404	Residential	NCA01	38	**51**	**56**	**53**	35	**55**	44	46	34	**49**	48	**54**	35	-
R1405	Residential	NCA01	38	**50**	**55**	**52**	37	**54**	47	**49**	38	**49**	47	**54**	35	-
R1406	Residential	NCA03	47	**60**	45	41	27	44	39	40	27	**57**	**55**	**61**	44	N, V
R1407	Residential	NCA01	39	**50**	**55**	**51**	36	**54**	46	48	37	**50**	46	**53**	36	-
R1408	Residential	NCA01	45	**57**	**55**	**56**	36	**54**	**54**	**57**	45	**57**	**53**	**60**	42	N, V
R1409	Industrial	NCA03	51	47	42	38	24	41	34	36	24	49	43	50	48	-
R1410	Residential	NCA03	43	**61**	43	39	25	42	37	38	26	**49**	**57**	**64**	40	N, V
R1411	Residential	NCA01	37	**50**	**54**	**51**	33	**55**	44	46	33	48	46	**53**	34	-
R1412	Commercial	NCA01	33	46	54	51	35	54	40	41	29	45	45	52	30	-
R1413	Residential	NCA01	38	**52**	**56**	**53**	38	**56**	46	47	35	**49**	**49**	**56**	35	-
R1414	Residential	NCA01	38	**50**	**54**	**52**	33	**54**	45	47	34	**49**	47	**54**	35	-
R1415	Residential	NCA01	43	**53**	**57**	**53**	38	**56**	**50**	**53**	41	**55**	**49**	**56**	40	-
R1416	Residential	NCA01	25	34	39	36	23	41	29	31	21	37	30	37	22	-
R1417	Residential	NCA01	38	**52**	**57**	**54**	36	**57**	46	47	34	**49**	**49**	**56**	35	-
R1418	Residential	NCA01	44	**54**	**60**	**56**	41	**57**	**52**	**54**	43	**55**	**51**	**58**	41	N, V
R1419	Residential	NCA03	46	**62**	**48**	45	30	46	43	44	32	**62**	**58**	**65**	43	N, V
R1420	Residential	NCA03	38	**64**	47	43	28	45	40	41	29	**51**	**61**	**62**	35	N, V
R1421	Residential	NCA03	45	**62**	46	42	28	45	40	41	30	**51**	**59**	**66**	42	N, V
R1422	Residential	NCA03	44	**61**	46	43	28	46	40	41	30	**53**	**57**	**64**	41	N, V
R1423	Residential	NCA01	28	37	44	39	25	43	33	35	24	40	34	40	25	-
R1424	Residential	NCA03	**54**	**61**	**52**	**48**	34	**51**	46	47	36	**65**	**57**	**64**	**51**	N, V
R1425	Residential	NCA01	34	**50**	**55**	**52**	36	**55**	40	42	29	45	47	**55**	31	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible **Moderately intrusive** **Highly intrusive** **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R1426	Residential	NCA01	40	**53**	**58**	**55**	38	**58**	48	**50**	38	**52**	**50**	**57**	37	-
R1427	Residential	NCA03	43	**62**	45	41	27	44	39	39	29	**53**	**58**	**64**	40	N, V
R1428	Residential	NCA01	45	**57**	**57**	**57**	38	**57**	**54**	**54**	43	**57**	**53**	**60**	42	N, V
R1429	Residential	NCA03	45	**62**	**48**	44	28	46	42	43	30	**61**	**58**	**65**	42	N, V
R1430	Commercial	NCA01	33	49	56	52	39	58	40	41	29	45	47	54	30	-
R1431	Residential	NCA01	39	**53**	**59**	**55**	40	**58**	45	47	35	**50**	**50**	**57**	36	N, V
R1432	Residential	NCA01	29	38	44	41	26	45	35	37	25	41	35	42	26	-
R1433	Residential	NCA01	**49**	**57**	**57**	**55**	38	**57**	**52**	**53**	42	**57**	**53**	**60**	46	N, V
R1434	Residential	NCA03	**52**	**60**	**51**	**48**	33	**50**	46	47	36	**66**	**57**	**63**	**49**	N, V
R1435	Residential	NCA01	24	35	43	38	25	43	30	31	20	36	32	39	21	-
R1436	Residential	NCA01	26	33	39	36	22	41	31	33	23	38	30	37	23	-
R1437	Residential	NCA01	39	**53**	**57**	**54**	38	**57**	48	**50**	39	**51**	**49**	**56**	36	-
R1438	Residential	NCA01	46	**56**	**60**	**57**	42	**59**	**53**	**54**	42	**56**	**51**	**57**	43	N, V
R1439	Residential	NCA01	39	**51**	**57**	**53**	38	**57**	45	46	34	**49**	48	**55**	36	-
R1440	Commercial	NCA01	33	44	50	47	30	50	38	40	29	45	41	48	30	-
R1441	Residential	NCA03	47	**64**	**48**	46	30	47	43	44	32	**62**	**60**	**67**	44	N, V
R1442	Residential	NCA01	27	36	42	38	23	42	32	34	23	39	33	40	24	-
R1443	Residential	NCA01	24	32	39	36	23	41	29	31	20	36	30	37	21	-
R1444	Commercial	NCA01	32	47	54	50	37	55	39	40	29	44	45	52	29	-
R1445	Commercial	NCA03	66	55	46	42	27	45	39	41	29	53	52	59	63	-
R1446	Residential	NCA01	24	35	41	37	24	42	29	31	20	36	32	39	21	-
R1447	Residential	NCA01	36	**54**	**60**	**56**	40	**60**	39	41	31	47	**51**	**58**	33	N, V
R1448	Residential	NCA03	42	**64**	44	41	26	43	38	39	27	**59**	**59**	**66**	39	N, V
R1449	Commercial	NCA04	42	42	37	34	20	37	30	32	21	42	38	45	39	-
R1450	Residential	NCA03	43	**62**	47	44	29	47	42	43	31	**57**	**58**	**65**	40	N, V
R1451	Residential	NCA03	**50**	**60**	**51**	**48**	33	**49**	45	47	34	**65**	**56**	**62**	47	N, V
R1452	Residential	NCA01	37	**51**	**57**	**54**	37	**57**	45	47	35	**49**	**49**	**56**	34	-
R1453	Residential	NCA03	**51**	**61**	**50**	46	33	**48**	43	44	34	**66**	**58**	**65**	**48**	N, V
R1454	Residential	NCA01	24	33	41	38	23	41	27	29	19	36	32	37	21	-
R1455	Residential	NCA03	**48**	**64**	**50**	46	31	**48**	44	45	34	**65**	**59**	**66**	45	N, V
R1456	Residential	NCA01	38	**52**	**55**	**52**	36	**55**	46	48	34	**49**	48	**54**	35	-
R1457	Residential	NCA01	35	48	**54**	**50**	34	**53**	40	42	29	45	43	**52**	32	-
R1458	Commercial	NCA01	31	47	54	51	36	55	38	39	27	43	45	52	28	-
R1459	Residential	NCA03	44	**59**	**49**	45	31	47	43	44	31	**63**	**56**	**62**	41	N, V
R1460	Residential	NCA01	29	38	44	40	26	45	35	37	25	41	35	42	26	-
R1461	Residential	NCA01	39	**52**	**58**	**54**	39	**58**	46	48	35	**51**	**49**	**56**	36	-
R1462	Residential	NCA01	37	**52**	**57**	**54**	37	**57**	44	45	32	48	**49**	**56**	34	-
R1463	Residential	NCA03	44	**58**	47	44	27	45	41	42	30	**62**	**55**	**62**	41	N, V
R1464	Active recreation	NCA01	49	58	57	59	39	57	56	58	44	58	55	62	46	-
R1465	Residential	NCA03	**48**	**63**	**50**	47	31	**48**	44	45	31	**63**	**59**	**66**	45	N, V
R1466	Residential	NCA01	38	**51**	**57**	**53**	40	**57**	44	46	33	**49**	48	**55**	35	-
R1467	Residential	NCA01	27	35	41	37	24	42	32	34	23	39	32	39	24	-
R1468	Commercial	NCA01	31	47	54	50	37	54	38	40	28	44	44	51	28	-
R1469	Residential	NCA03	**48**	**64**	**49**	46	31	47	44	45	32	**63**	**60**	**67**	45	N, V
R1470	Residential	NCA01	25	37	43	40	26	43	29	31	21	37	34	40	22	-
R1471	Residential	NCA01	39	**53**	**57**	**55**	40	**58**	47	48	37	**50**	**50**	**57**	36	-
R1472	Residential	NCA03	47	**63**	**49**	46	31	**48**	44	45	33	**67**	**60**	**67**	44	N, V
R1473	Residential	NCA01	36	**51**	**57**	**53**	39	**57**	42	44	32	48	48	**54**	33	-
R1474	Residential	NCA03	42	**64**	**48**	44	28	46	42	43	30	**60**	**59**	**66**	39	N, V
R1475	Residential	NCA01	39	**53**	**58**	**55**	39	**58**	47	48	36	**50**	**50**	**57**	36	-
R1476	Medical facility	NCA01	24	40	46	44	30	48	30	31	20	36	37	44	21	-
R1477	Residential	NCA01	29	39	46	42	28	46	35	37	25	41	37	43	26	-
R1478	Residential	NCA01	29	38	45	41	26	45	33	35	25	41	36	41	26	-
R1479	Residential	NCA01	48	**56**	**62**	**58**	42	**58**	**55**	**56**	45	**57**	**53**	**60**	45	N, V
R1480	Residential	NCA01	36	**51**	**57**	**53**	40	**57**	42	44	33	47	48	**54**	33	-
R1481	Residential	NCA03	**50**	**60**	**51**	**49**	34	**49**	46	47	34	**60**	**56**	**62**	47	N, V
R1482	Commercial	NCA01	35	51	57	53	39	57	42	43	31	46	48	54	32	-
R1483	Residential	NCA01	43	**57**	**63**	**59**	45	**59**	**55**	**57**	47	**54**	**54**	**61**	40	N, V
R1484	Industrial	NCA01	33	52	57	55	41	58	40	41	30	45	49	55	30	-
R1485	Residential	NCA01	43	**54**	**59**	**55**	40	**59**	**51**	**53**	41	**52**	**50**	**57**	40	N, V
R1486	Commercial	NCA01	31	45	53	49	35	53	38	39	28	43	43	50	28	-
R1487	Residential	NCA01	42	**53**	**58**	**55**	38	**58**	**49**	**50**	37	**52**	**50**	**57**	39	-
R1488	Residential	NCA01	29	38	44	41	27	45	34	36	25	41	35	42	26	-
R1489	Residential	NCA01	27	39	45	41	28	45	33	35	24	39	36	43	24	-
R1490	Residential	NCA03	**60**	**65**	**54**	**54**	36	**53**	**49**	**52**	39	**69**	**61**	**68**	**57**	N, V
R1491	Residential	NCA03	43	**68**	40	37	23	40	34	36	24	**52**	**63**	**69**	40	N, V
R1492	Residential	NCA03	**60**	**64**	**55**	**52**	35	**52**	**49**	**51**	39	**68**	**60**	**67**	**57**	N, V
R1493	Residential	NCA01	31	45	**52**	48	34	**51**	36	38	27	43	43	48	28	-
R1494	Residential	NCA01	42	**51**	**56**	**53**	35	**55**	48	**50**	34	**52**	48	**55**	39	-
R1495	Residential	NCA03	46	**63**	**49**	46	31	**48**	43	44	33	**63**	**58**	**65**	43	N, V
R1496	Residential	NCA03	45	**67**	45	43	28	44	39	41	28	**57**	**62**	**69**	42	N, V
R1497	Residential	NCA01	39	**51**	**56**	**53**	35	**56**	45	45	34	**50**	48	**55**	36	-
R1498	Residential	NCA01	31	45	**51**	47	33	**51**	38	40	28	43	42	48	28	-
R1499	Residential	NCA01	36	**53**	**56**	**55**	36	**56**	45	48	35	46	**49**	**56**	33	-
R1500	Residential	NCA01	28	35	40	37	23	42	33	35	24	39	32	39	25	-
R1501	Commercial	NCA04	41	41	38	34	20	37	31	33	22	41	38	44	38	-
R1502	Residential	NCA01	29	39	46	42	27	46	34	36	25	41	36	43	26	-
R1503	Residential	NCA03	43	**69**	45	41	27	44	38	39	24	**59**	**64**	**71**	40	N, V
R1504	Commercial	NCA01	33	47	54	51	36	55	39	41	29	45	45	52	30	-
R1505	Residential	NCA03	46	**69**	46	43	28	45	39	42	30	**59**	**64**	**71**	43	N, V
R1506	Residential	NCA01	42	**54**	**59**	**56**	41	**59**	**52**	**53**	42	**54**	**51**	**58**	39	N, V
R1507	Residential	NCA01	27	35	42	38	25	42	32	33	23	38	32	39	24	-
R1508	Residential	NCA03	42	**69**	45	41	27	44	39	40	29	**59**	**64**	**70**	39	N, V
R1509	Residential	NCA03	45	**66**	45	42	28	45	39	41	30	**56**	**62**	**69**	42	N, V
R1510	Residential	NCA03	47	**64**	**50**	47	31	**48**	45	45	31	**67**	**59**	**66**	44	N, V
R1511	Residential	NCA01	25	33	40	36	23	40	29	31	21	37	30	37	22	-
R1512	Residential	NCA01	42	**54**	**59**	**56**	40	**59**	**51**	**52**	40	**54**	**50**	**57**	39	N, V
R1513	Residential	NCA01	38	**51**	**55**	**53**	35	**55**	44	45	32	**49**	48	**54**	35	-
R1514	Residential	NCA01	25	32	38	34	20	37	28	30	20	36	28	35	22	-
R1515	Residential	NCA01	24	32	38	35	21	40	28	30	19	35	29	36	21	-
R1516	Residential	NCA01	41	**55**	**59**	**57**	40	**59**	**50**	**52**	40	**53**	**52**	**58**	38	N, V
R1517	Residential	NCA01	**50**	**58**	**62**	**59**	43	**60**	**56**	**58**	46	**58**	**55**	**62**	47	N, V
R1518	Residential	NCA01	32	45	**50**	47	32	**50**	38	40	29	44	42	48	29	-
R1519	Residential	NCA03	43	**68**	39	36	22	38	30	32	20	**60**	**63**	**71**	40	N, V
R1520	Residential	NCA01	27	36	42	38	25	43	32	34	23	39	33	40	24	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible **Moderately intrusive** **Highly intrusive** **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1521	Residential	NCA01	31	44	**50**	46	32	**50**	37	39	27	43	41	47	28	-
R1522	Residential	NCA03	44	**68**	43	39	25	42	36	37	22	**60**	**64**	**71**	41	N, V
R1523	Industrial	NCA04	60	48	41	38	24	41	35	36	26	47	43	50	57	-
R1524	Residential	NCA01	41	**54**	**59**	**56**	39	**60**	**50**	**51**	40	**52**	**51**	**58**	38	N, V
R1525	Residential	NCA01	24	31	37	33	19	37	28	30	20	36	28	35	21	-
R1526	Residential	NCA03	43	**68**	38	34	21	38	31	33	20	**53**	**63**	**68**	40	N, V
R1527	Residential	NCA01	28	41	**49**	44	31	48	34	34	23	40	39	45	25	-
R1528	Residential	NCA01	42	**55**	**59**	**56**	39	**59**	**49**	**51**	39	**53**	**51**	**58**	39	N, V
R1529	Residential	NCA01	38	**53**	**58**	**54**	38	**58**	44	46	33	**49**	**50**	**57**	35	-
R1530	Residential	NCA03	44	**67**	**49**	45	31	47	42	43	30	**68**	**63**	**70**	41	N, V
R1531	Residential	NCA01	30	44	**50**	46	32	**52**	35	36	25	42	41	48	27	-
R1532	Residential	NCA01	41	**52**	**56**	**54**	37	**56**	48	**50**	38	**52**	**49**	**56**	38	-
R1533	Residential	NCA01	37	**54**	**58**	**55**	39	**58**	45	47	34	48	**51**	**58**	34	-
R1534	Residential	NCA01	28	36	41	38	24	42	33	35	23	39	32	38	25	-
R1535	Residential	NCA03	40	**67**	37	33	19	36	30	31	20	**55**	**62**	**67**	37	N, V
R1536	Residential	NCA03	44	**68**	40	37	24	40	34	35	21	**61**	**63**	**70**	41	N, V
R1537	Residential	NCA01	28	39	45	41	25	45	34	35	22	39	36	43	25	-
R1538	Residential	NCA01	38	**53**	**56**	**54**	36	**56**	48	**49**	35	48	**49**	**56**	35	-
R1539	Residential	NCA01	31	42	**49**	45	31	**49**	35	37	26	42	39	47	28	-
R1540	Residential	NCA03	47	**71**	**50**	46	31	**48**	43	46	34	**68**	**66**	**73**	44	N, V
R1541	Residential	NCA01	40	**54**	**57**	**55**	36	**57**	**49**	**50**	37	**51**	**49**	**56**	37	-
R1542	Residential	NCA01	40	**54**	**58**	**55**	40	**58**	48	**50**	39	**52**	**50**	**57**	37	-
R1543	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	47	**48**	37	**68**	**60**	**67**	**54**	N, V
R1544	Residential	NCA01	**49**	**57**	**61**	**58**	43	**60**	**55**	**56**	45	**57**	**54**	**61**	46	N, V
R1545	Residential	NCA03	**49**	**65**	**50**	47	31	**48**	45	46	33	**68**	**60**	**67**	46	N, V
R1546	Residential	NCA01	38	**55**	**60**	**56**	41	**59**	47	48	35	47	**51**	**59**	35	N, V
R1547	Residential	NCA03	44	**69**	36	32	19	35	29	31	19	**48**	**63**	**70**	41	N, V
R1548	Residential	NCA01	38	**53**	**59**	**55**	40	**58**	46	47	34	48	**50**	**56**	35	-
R1549	Residential	NCA01	31	43	**50**	46	32	**50**	37	39	28	43	41	47	28	-
R1550	Residential	NCA01	38	**54**	**58**	**56**	37	**58**	43	45	33	**49**	**51**	**58**	35	-
R1551	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	**48**	**51**	37	**68**	**61**	**68**	**54**	N, V
R1552	Active recreation	NCA01	47	58	57	57	36	56	54	56	44	58	54	62	44	-
R1553	Residential	NCA01	39	**53**	**57**	**55**	37	**57**	48	**50**	37	**50**	**50**	**57**	36	-
R1554	Residential	NCA01	37	**53**	**58**	**54**	38	**57**	47	48	36	45	**49**	**56**	34	-
R1555	Residential	NCA01	39	**55**	**60**	**57**	41	**60**	**49**	**51**	37	**51**	**51**	**57**	36	N, V
R1556	Residential	NCA03	44	**67**	47	45	30	46	42	43	30	**67**	**63**	**70**	41	N, V
R1557	Residential	NCA03	43	**67**	45	42	28	45	39	40	30	**57**	**64**	**71**	40	N, V
R1558	Residential	NCA01	27	34	40	37	23	42	31	33	22	38	31	38	24	-
R1559	Residential	NCA01	38	**52**	**57**	**54**	37	**57**	46	48	36	**50**	**49**	**56**	35	-
R1560	Residential	NCA03	**57**	**64**	**51**	**49**	33	**50**	47	**50**	36	**68**	**61**	**68**	**54**	N, V
R1561	Residential	NCA01	28	36	42	38	23	42	32	34	23	40	33	40	25	-
R1562	Residential	NCA01	35	**52**	**58**	**54**	38	**58**	43	45	31	46	**49**	**56**	32	-
R1563	Residential	NCA01	40	**55**	**61**	**57**	42	**60**	46	48	34	**50**	**52**	**59**	37	N, V
R1564	Residential	NCA01	29	39	46	43	28	46	34	35	24	41	36	43	26	-
R1565	Residential	NCA03	**56**	**65**	**50**	**51**	33	**50**	47	**50**	36	**69**	**61**	**68**	**53**	N, V
R1566	Residential	NCA01	34	**54**	**55**	**53**	36	**55**	40	42	30	45	**49**	**56**	31	-
R1567	Residential	NCA03	**55**	**65**	**48**	**48**	31	**48**	46	**48**	35	**69**	**61**	**68**	**52**	N, V
R1568	Residential	NCA01	39	**56**	**63**	**59**	44	**63**	45	47	34	**50**	**53**	**60**	36	N, V
R1569	Residential	NCA01	41	**55**	**60**	**56**	42	**60**	48	**49**	36	**52**	**52**	**59**	38	N, V
R1570	Residential	NCA01	37	**54**	**58**	**56**	37	**58**	44	46	33	**49**	**51**	**56**	34	-
R1571	Residential	NCA01	45	**57**	**61**	**58**	42	**60**	**54**	**56**	44	**54**	**53**	**60**	42	N, V
R1572	Residential	NCA01	**49**	**58**	**62**	**59**	42	**58**	**54**	**56**	43	**57**	**53**	**60**	46	N, V
R1573	Residential	NCA01	29	35	42	38	25	43	32	35	23	41	32	39	26	-
R1574	Residential	NCA03	43	**66**	**48**	45	31	47	42	43	30	**70**	**62**	**69**	40	N, V
R1575	Residential	NCA01	29	48	**56**	**52**	38	**56**	35	37	25	42	46	**52**	26	-
R1576	Residential	NCA03	**54**	**58**	**50**	**48**	33	**49**	47	**49**	36	**60**	**54**	**61**	**51**	N, V
R1577	Residential	NCA01	40	**54**	**60**	**56**	41	**59**	46	48	36	**51**	**51**	**58**	37	N, V
R1578	Residential	NCA01	42	**57**	**60**	**58**	40	**60**	**52**	**52**	41	**52**	**52**	**59**	39	N, V
R1579	Residential	NCA01	29	40	46	43	28	46	35	36	25	41	37	43	26	-
R1580	Residential	NCA01	42	**56**	**60**	**57**	41	**60**	**51**	**53**	42	**52**	**52**	**60**	39	N, V
R1581	Residential	NCA01	42	**57**	**60**	**57**	42	**60**	**50**	**52**	39	**54**	**53**	**59**	39	N, V
R1582	Residential	NCA03	**54**	**65**	**51**	47	33	**49**	47	**49**	36	**66**	**61**	**68**	**51**	N, V
R1583	Residential	NCA01	39	**55**	**60**	**57**	42	**61**	47	**49**	34	**50**	**52**	**59**	36	N, V
R1584	Residential	NCA01	25	33	41	39	24	43	29	30	20	35	31	38	22	-
R1585	Residential	NCA01	37	**54**	**58**	**56**	36	**58**	42	44	31	48	**51**	**57**	34	-
R1586	Residential	NCA01	27	33	39	36	22	39	30	32	22	38	31	37	24	-
R1587	Residential	NCA01	42	**55**	**60**	**57**	41	**59**	**51**	**53**	41	**52**	**52**	**59**	39	N, V
R1588	Residential	NCA01	30	44	**50**	46	32	**52**	36	38	27	42	40	48	27	-
R1589	Residential	NCA01	28	42	47	43	30	48	34	35	24	40	37	44	25	-
R1590	Residential	NCA01	25	35	43	40	25	43	30	31	20	38	33	40	22	-
R1591	Residential	NCA03	44	**69**	47	45	30	47	42	43	30	**65**	**64**	**71**	41	N, V
R1592	Residential	NCA01	38	**54**	**59**	**56**	43	**59**	45	48	34	**49**	**50**	**57**	35	N, V
R1593	Residential	NCA01	40	**55**	**60**	**56**	42	**60**	47	**49**	35	**52**	**52**	**59**	37	N, V
R1594	Residential	NCA03	42	**76**	41	38	24	41	33	36	23	**51**	**69**	**76**	39	N, V
R1595	Residential	NCA03	41	**78**	45	42	27	44	38	39	28	**57**	**71**	**78**	38	N, V
R1596	Residential	NCA01	42	**59**	**61**	**60**	43	**61**	**51**	**53**	40	**54**	**54**	**60**	39	N, V
R1597	Residential	NCA01	28	39	46	44	27	46	33	35	24	40	37	43	25	-
R1598	Residential	NCA01	42	**57**	**61**	**58**	42	**62**	**52**	**54**	43	**53**	**53**	**59**	39	N, V
R1599	Residential	NCA01	42	**56**	**60**	**58**	40	**60**	**52**	**53**	41	**54**	**53**	**60**	39	N, V
R1600	Residential	NCA01	27	38	46	43	29	**49**	32	34	22	38	36	43	24	-
R1601	Residential	NCA03	**50**	**64**	47	45	30	47	44	44	30	**67**	**60**	**67**	47	N, V
R1602	Residential	NCA01	38	**54**	**62**	**58**	44	**62**	45	48	33	**49**	**52**	**58**	35	N, V
R1603	Residential	NCA01	37	**53**	**57**	**55**	37	**57**	41	43	32	**49**	**50**	**57**	34	-
R1604	Residential	NCA01	41	**57**	**60**	**58**	40	**59**	**50**	**51**	36	**53**	**53**	**60**	38	N, V
R1605	Residential	NCA01	39	**54**	**59**	**55**	40	**58**	46	48	35	**50**	**51**	**58**	36	N, V
R1606	Residential	NCA01	25	31	36	34	20	41	29	31	20	36	28	35	22	-
R1607	Residential	NCA03	42	**74**	47	43	29	46	41	42	30	**59**	**67**	**74**	39	N, V
R1608	Residential	NCA01	28	35	41	37	24	42	32	34	23	40	31	38	25	-
R1609	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	48	**50**	37	**51**	**53**	**59**	37	N, V
R1610	Residential	NCA01	28	40	47	44	29	48	34	35	23	39	37	44	25	-
R1611	Residential	NCA01	40	**59**	**61**	**58**	43	**61**	**50**	**52**	40	**52**	**55**	**62**	37	N, V
R1612	Residential	NCA03	41	**77**	44	41	27	44	38	39	24	**56**	**70**	**76**	38	N, V
R1613	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	**49**	**50**	37	**51**	**52**	**58**	37	N, V
R1614	Residential	NCA01	40	**57**	**61**	**58**	43	**61**	**49**	**51**	39	**52**	**53**	**60**	37	N, V
R1615	Residential	NCA01	39	**58**	**60**	**57**	42	**60**	47	48	36	**50**	**54**	**61**	36	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1616	Residential	NCA03	43	77	46	42	29	45	40	40	27	61	70	77	40	N, V
R1617	Commercial	NCA01	30	50	58	54	40	58	35	37	25	42	48	55	27	-
R1618	Residential	NCA01	27	35	42	38	24	42	32	33	21	38	32	39	24	-
R1619	Residential	NCA01	27	36	43	39	24	43	32	33	21	38	34	41	24	-
R1620	Residential	NCA01	30	40	45	42	27	47	35	36	25	42	37	44	27	-
R1621	Residential	NCA01	42	59	62	60	43	62	51	53	41	53	54	62	39	N, V
R1622	Residential	NCA01	38	57	62	59	44	62	44	46	33	49	53	59	35	N, V
R1623	Residential	NCA03	42	77	45	42	28	45	39	40	26	61	70	77	39	N, V
R1624	Residential	NCA03	40	76	40	37	23	40	33	35	22	53	69	76	37	N, V
R1625	Residential	NCA01	40	55	59	57	40	59	48	50	37	52	52	58	37	N, V
R1626	Residential	NCA03	43	69	47	44	30	46	41	42	29	71	64	71	40	N, V
R1627	Residential	NCA01	47	60	61	58	42	59	56	56	43	58	54	61	44	N, V
R1628	Residential	NCA03	43	78	45	43	27	44	40	40	29	57	70	77	40	N, V
R1629	Residential	NCA01	31	41	47	44	29	47	36	38	27	43	38	45	28	-
R1630	Residential	NCA01	30	44	52	48	34	52	36	38	27	42	41	48	27	-
R1631	Residential	NCA03	45	73	48	45	31	47	42	43	31	65	68	75	42	N, V
R1632	Residential	NCA01	28	39	46	42	27	45	34	36	24	40	36	42	25	-
R1633	Residential	NCA03	44	72	47	44	29	46	40	42	29	64	66	73	41	N, V
R1634	Residential	NCA01	36	56	62	57	42	61	44	46	33	48	52	57	33	N, V
R1635	Residential	NCA01	28	41	47	44	30	49	34	36	24	40	37	44	25	-
R1636	Residential	NCA01	27	36	43	39	25	43	32	34	23	39	34	40	24	-
R1637	Residential	NCA01	40	56	61	58	43	61	48	50	37	52	53	59	37	N, V
R1639	Residential	NCA01	30	41	48	44	28	48	34	36	25	42	39	44	27	-
R1640	Residential	NCA01	40	57	60	58	43	61	48	50	38	53	54	61	37	N, V
R1641	Educational institute	NCA03	49	73	50	47	32	50	45	46	33	75	68	75	46	-
R1642	Residential	NCA03	44	77	44	40	26	43	37	38	24	55	69	76	41	N, V
R1643	Residential	NCA01	38	54	59	56	39	58	47	49	36	49	51	58	35	N, V
R1644	Residential	NCA01	38	56	60	57	41	60	48	49	35	49	52	59	35	N, V
R1645	Residential	NCA01	27	35	41	37	24	42	31	33	22	38	32	39	24	-
R1646	Residential	NCA01	36	53	55	51	37	58	43	44	32	47	46	53	33	-
R1647	Residential	NCA01	47	61	65	61	45	60	56	58	45	57	54	61	44	N, V
R1648	Residential	NCA04	83	48	40	37	23	40	34	35	24	45	47	54	80	N, V
R1649	Educational institute	NCA03	52	69	53	49	34	51	46	48	37	74	65	72	49	-
R1650	Residential	NCA01	40	54	60	57	41	59	46	48	35	51	52	58	37	N, V
R1651	Residential	NCA01	30	39	44	41	26	48	35	37	26	41	36	43	27	-
R1652	Residential	NCA01	40	56	61	58	42	61	48	50	38	51	53	59	37	N, V
R1653	Residential	NCA03	44	78	46	43	27	45	40	42	30	64	70	77	41	N, V
R1655	Residential	NCA03	45	78	46	44	27	46	40	42	30	63	70	77	42	N, V
R1656	Residential	NCA03	44	77	45	41	27	44	38	40	26	65	69	76	41	N, V
R1657	Residential	NCA03	46	71	46	43	29	46	40	42	29	73	66	73	43	N, V
R1659	Residential	NCA04	94	50	40	36	22	39	32	35	24	46	46	53	91	N, V
R1660	Commercial	NCA01	38	55	61	58	43	61	43	45	32	49	52	59	35	-
R1661	Residential	NCA01	31	41	47	43	27	47	37	39	27	43	38	45	28	-
R1662	Residential	NCA01	40	55	60	57	41	60	47	49	36	51	52	59	37	N, V
R1663	Residential	NCA03	43	74	48	45	30	48	42	43	30	69	68	75	40	N, V
R1664	Residential	NCA01	30	38	43	39	26	46	35	37	27	42	34	41	27	-
R1665	Residential	NCA01	27	33	35	33	18	35	31	31	20	39	30	37	24	-
R1666	Residential	NCA04	73	49	42	39	25	42	35	37	24	46	45	51	70	N, V
R1667	Residential	NCA01	30	42	49	46	32	50	36	37	25	41	39	46	27	-
R1669	Residential	NCA01	38	55	59	56	40	59	46	48	35	50	51	58	35	N, V
R1670	Residential	NCA04	92	52	43	39	25	42	36	38	25	47	49	55	89	N, V
R1671	Residential	NCA03	43	78	45	42	27	45	39	41	28	66	70	77	40	N, V
R1672	Residential	NCA03	45	77	48	45	30	47	42	43	31	67	69	76	42	N, V
R1673	Educational institute	NCA03	59	74	52	49	34	52	49	51	37	77	69	76	56	-
R1674	Residential	NCA01	27	40	47	43	29	47	32	34	23	39	37	43	24	-
R1675	Residential	NCA01	38	55	59	55	38	59	46	48	35	51	51	58	35	N, V
R1676	Residential	NCA04	71	45	41	38	24	41	34	36	24	44	39	46	68	N, V
R1677	Residential	NCA01	27	41	45	44	30	48	32	33	20	38	36	42	24	-
R1678	Residential	NCA01	30	41	47	44	29	49	35	37	26	42	38	45	27	-
R1679	Residential	NCA01	42	61	66	62	47	58	58	60	49	53	57	64	39	N, V
R1680	Residential	NCA04	92	51	41	38	24	41	35	37	25	48	48	54	89	N, V
R1681	Residential	NCA01	41	54	58	57	38	58	51	53	39	52	51	58	38	-
R1682	Residential	NCA01	44	58	62	59	45	62	55	57	46	54	54	61	41	N, V
R1683	Educational institute	NCA03	52	75	50	48	32	50	45	46	34	78	70	77	49	-
R1684	Residential	NCA01	22	29	35	32	19	35	26	28	16	33	26	33	19	-
R1685	Residential	NCA01	44	59	62	60	46	63	55	57	46	55	55	61	41	N, V
R1686	Residential	NCA03	47	77	49	45	31	47	43	43	31	72	70	77	44	N, V
R1687	Residential	NCA01	41	57	61	58	40	60	52	54	39	52	54	61	38	N, V
R1688	Residential	NCA01	31	37	43	41	25	47	35	36	24	43	35	42	28	-
R1689	Residential	NCA01	30	45	52	48	35	52	37	38	27	42	43	50	27	-
R1690	Residential	NCA04	91	53	40	37	23	40	34	35	24	47	51	57	88	N, V
R1691	Residential	NCA01	42	59	62	59	41	61	54	55	39	52	53	61	39	N, V
R1692	Residential	NCA01	41	56	60	58	39	59	51	53	40	51	53	60	38	N, V
R1693	Residential	NCA03	47	79	48	45	30	48	43	44	32	70	71	78	44	N, V
R1694	Residential	NCA04	69	50	42	39	25	42	35	37	26	47	44	51	66	N, V
R1695	Residential	NCA01	44	60	63	60	44	63	54	56	44	55	55	62	41	N, V
R1696	Residential	NCA04	91	53	37	33	21	37	30	32	19	39	49	56	88	N, V
R1697	Residential	NCA01	27	35	42	38	25	42	32	34	22	39	32	39	24	-
R1698	Residential	NCA01	40	60	62	62	44	62	54	56	41	49	56	63	37	N, V
R1699	Industrial	NCA04	45	43	41	37	22	41	33	35	24	44	40	47	42	-
R1700	Residential	NCA01	25	40	46	42	28	46	30	29	18	33	36	42	22	-
R1701	Residential	NCA04	70	43	37	34	20	37	30	32	22	39	37	44	67	N, V
R1702	Residential	NCA04	83	56	44	40	26	43	37	39	28	50	52	59	80	N, V
R1703	Residential	NCA01	42	60	63	60	43	63	52	54	41	53	55	62	39	N, V
R1704	Residential	NCA01	30	44	51	47	34	52	36	37	26	42	42	48	27	-
R1705	Educational institute	NCA03	54	80	50	47	32	50	45	46	35	79	72	79	51	-
R1706	Residential	NCA01	42	59	62	60	43	62	51	52	40	52	54	61	39	N, V
R1707	Residential	NCA03	48	77	49	46	31	48	43	45	33	74	70	77	45	N, V
R1708	Commercial	NCA01	35	55	61	57	43	61	42	43	31	47	52	58	32	-
R1709	Residential	NCA04	72	56	41	37	23	40	34	36	25	48	50	65	69	N, V
R1710	Residential	NCA04	66	45	40	36	23	40	33	35	24	41	38	46	63	N, V
R1711	Residential	NCA01	44	60	62	62	44	62	53	55	42	55	56	63	41	N, V
R1712	Industrial	NCA01	48	61	67	64	47	62	59	60	48	59	57	64	45	-
R1713	Residential	NCA01	42	61	63	62	44	63	52	53	42	53	57	62	39	N, V
R1714	Residential	NCA01	42	60	63	62	44	64	52	54	42	54	57	63	39	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R1715	Commercial	NCA01	33	49	56	52	39	56	39	40	29	45	46	53	30	-
R1716	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	47	48	35	**50**	**53**	**60**	36	N, V
R1717	Residential	NCA01	43	**59**	**63**	**59**	44	**63**	**51**	**53**	41	**53**	**54**	**61**	40	N, V
R1718	Residential	NCA04	**65**	**57**	42	39	25	42	35	38	26	**49**	**49**	**65**	**62**	N, V
R1719	Residential	NCA01	31	46	**53**	**49**	36	**53**	37	38	27	43	43	**50**	28	-
R1720	Residential	NCA01	27	36	42	39	25	43	33	34	21	39	33	40	24	-
R1721	Residential	NCA01	43	**59**	**61**	**59**	43	**63**	**52**	**54**	41	**54**	**55**	**62**	40	N, V
R1722	Residential	NCA04	**57**	**54**	43	40	26	43	36	39	28	**50**	**48**	**55**	**54**	-
R1723	Residential	NCA04	**70**	**49**	42	39	25	42	35	37	26	47	44	**51**	**67**	N, V
R1724	Residential	NCA01	36	**56**	**61**	**57**	41	**61**	40	42	29	47	**52**	**59**	33	N, V
R1725	Residential	NCA01	29	38	45	42	27	46	34	36	25	41	35	43	26	-
R1726	Residential	NCA01	31	45	**52**	48	34	**51**	37	38	26	43	42	**49**	28	-
R1727	Residential	NCA01	28	40	47	44	30	48	34	35	24	40	37	44	25	-
R1728	Residential	NCA01	36	**52**	**57**	**53**	39	**57**	40	42	28	47	48	**55**	33	-
R1729	Residential	NCA01	41	**58**	**61**	**58**	41	**61**	**50**	**52**	38	**52**	**54**	**61**	38	N, V
R1730	Residential	NCA01	26	38	45	41	27	45	31	33	21	38	36	42	23	-
R1731	Residential	NCA04	**67**	40	35	31	17	35	27	30	17	37	34	41	**64**	N, V
R1732	Residential	NCA01	41	**61**	**62**	**60**	43	**62**	**49**	**51**	37	**53**	**55**	**62**	38	N, V
R1733	Residential	NCA01	37	**56**	**62**	**58**	44	**61**	45	47	34	**50**	**52**	**60**	34	N, V
R1734	Residential	NCA01	39	**59**	**64**	**61**	46	**65**	46	48	34	**51**	**56**	**62**	36	N, V
R1735	Residential	NCA01	40	**60**	**62**	**59**	44	**62**	**50**	**50**	37	**52**	**55**	**62**	37	N, V
R1736	Residential	NCA01	38	**60**	**66**	**62**	48	**66**	43	44	33	**50**	**57**	**64**	35	N, V
R1737	Residential	NCA01	38	**58**	**64**	**60**	46	**64**	45	46	34	**50**	**55**	**62**	35	N, V
R1738	Residential	NCA01	31	45	**52**	48	34	**52**	37	39	26	43	42	**49**	28	-
R1739	Educational institute	NCA03	57	77	52	49	34	52	49	48	37	79	71	78	54	-
R1740	Residential	NCA01	37	**57**	**60**	**58**	40	**61**	44	46	32	48	**54**	**60**	34	N, V
R1741	Residential	NCA04	**51**	44	34	30	17	34	27	29	18	39	38	45	**48**	-
R1742	Residential	NCA01	39	**59**	**66**	**62**	47	**65**	46	48	34	**49**	**56**	**63**	36	N, V
R1743	Residential	NCA01	39	**60**	**62**	**61**	42	**62**	48	**49**	35	**51**	**55**	**62**	36	N, V
R1744	Residential	NCA04	**62**	47	41	38	24	41	34	36	25	44	39	47	**59**	N, V
R1745	Residential	NCA01	28	38	46	42	28	45	33	35	23	40	35	41	25	-
R1746	Residential	NCA01	26	33	39	36	22	39	31	32	21	37	30	37	23	-
R1747	Residential	NCA04	**50**	**50**	41	38	24	39	34	36	22	44	42	**49**	47	-
R1748	Residential	NCA01	23	30	36	32	19	36	27	29	16	34	26	33	20	-
R1749	Residential	NCA04	**59**	**61**	44	40	26	43	36	38	26	46	**49**	**62**	**56**	N, V
R1750	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	47	**49**	35	**51**	**53**	**60**	36	N, V
R1751	Residential	NCA04	**49**	**49**	41	37	24	41	34	36	24	44	41	**48**	46	-
R1752	Residential	NCA01	30	37	45	41	27	45	34	36	24	40	34	41	27	-
R1753	Residential	NCA01	35	**55**	**59**	**57**	40	**60**	43	45	28	46	**51**	**58**	32	N, V
R1754	Residential	NCA01	28	36	42	38	25	45	32	34	24	40	33	40	25	-
R1755	Residential	NCA01	37	**58**	**59**	**56**	40	**59**	44	45	29	43	**53**	**59**	34	N, V
R1756	Residential	NCA01	42	**58**	**62**	**60**	42	**62**	**51**	**51**	39	**53**	**55**	**61**	39	N, V
R1757	Residential	NCA01	36	**58**	**64**	**60**	45	**64**	43	45	32	47	**54**	**62**	33	N, V
R1758	Residential	NCA01	41	**60**	**62**	**59**	44	**62**	48	**51**	38	**52**	**56**	**63**	38	N, V
R1759	Residential	NCA01	37	**57**	**61**	**58**	42	**61**	45	46	33	**49**	**52**	**60**	34	N, V
R1760	Residential	NCA01	37	**56**	**61**	**57**	40	**61**	45	47	32	48	**53**	**59**	34	N, V
R1761	Residential	NCA01	30	40	47	45	29	47	36	37	25	41	37	43	27	-
R1762	Residential	NCA01	42	**62**	**69**	**66**	**50**	**62**	**60**	**62**	**50**	**49**	**59**	**66**	39	N, V
R1763	Residential	NCA04	**59**	**60**	36	35	21	36	29	31	18	39	**48**	**62**	**56**	N, V
R1764	Residential	NCA01	44	**64**	**71**	**67**	**52**	**64**	**61**	**63**	**51**	**53**	**60**	**67**	41	N, V
R1765	Residential	NCA01	25	34	40	38	22	41	30	32	20	37	30	38	22	-
R1766	Residential	NCA01	39	**57**	**61**	**59**	40	**60**	46	48	34	**50**	**54**	**60**	36	N, V
R1767	Industrial	NCA04	47	93	46	43	29	46	40	42	28	57	88	95	44	-
R1768	Residential	NCA04	**57**	**63**	44	41	27	44	38	40	29	**51**	**50**	**63**	**54**	N, V
R1769	Residential	NCA01	41	**57**	**61**	**58**	40	**62**	**50**	**51**	39	**50**	**53**	**60**	38	N, V
R1770	Residential	NCA04	**66**	45	41	37	24	41	33	36	22	42	38	44	**63**	N, V
R1771	Residential	NCA01	29	40	47	44	29	47	35	37	24	41	37	44	26	-
R1772	Residential	NCA04	**54**	46	41	37	24	41	33	36	24	46	38	46	**51**	-
R1773	Residential	NCA04	**54**	**62**	44	40	27	44	37	39	27	47	**50**	**63**	**51**	N, V
R1774	Residential	NCA01	38	**57**	**62**	**59**	42	**62**	46	48	34	**50**	**53**	**60**	35	N, V
R1775	Commercial	NCA01	33	51	58	55	41	58	40	42	30	45	49	56	30	-
R1776	Residential	NCA04	**56**	**57**	39	36	23	39	31	33	21	42	45	**62**	**53**	N, V
R1777	Commercial	NCA01	35	60	65	62	47	66	42	44	32	46	56	63	32	-
R1778	Residential	NCA01	25	33	40	36	23	42	29	31	18	35	29	36	22	-
R1779	Industrial	NCA04	45	78	48	44	29	47	42	43	30	59	90	97	42	-
R1780	Residential	NCA04	**61**	**50**	42	39	25	42	36	37	27	**48**	44	**51**	**58**	N, V
R1781	Residential	NCA04	**61**	42	38	34	21	38	31	33	21	41	36	44	**58**	N, V
R1782	Residential	NCA01	27	34	41	38	23	41	32	33	19	38	32	38	24	-
R1783	Residential	NCA04	**63**	45	42	38	24	41	35	37	25	46	37	44	**60**	N, V
R1784	Residential	NCA01	31	**52**	**57**	**54**	40	**57**	40	38	26	42	48	**55**	28	-
R1785	Residential	NCA01	30	43	**51**	47	33	**53**	34	36	25	41	40	47	27	-
R1786	Residential	NCA01	28	41	48	45	30	**49**	34	36	24	40	37	44	25	-
R1787	Residential	NCA01	29	37	43	39	25	43	35	36	24	40	34	41	26	-
R1788	Residential	NCA04	**48**	**49**	43	40	25	43	36	38	26	47	41	**49**	45	-
R1789	Commercial	NCA01	54	70	77	74	59	73	67	69	57	63	65	73	51	-
R1790	Residential	NCA01	**49**	**61**	**64**	**62**	46	**64**	**56**	**57**	47	**53**	**57**	**63**	46	N, V
R1791	Residential	NCA04	**56**	**48**	41	38	24	41	34	36	26	44	39	46	**53**	-
R1792	Residential	NCA04	**57**	**56**	44	41	27	44	38	40	28	**51**	47	**59**	**54**	N, V
R1793	Residential	NCA01	25	31	38	34	21	38	29	31	18	37	29	35	22	-
R1794	Residential	NCA01	36	**57**	**61**	**58**	41	**61**	44	46	32	**49**	**54**	**61**	33	N, V
R1795	Residential	NCA01	**49**	**61**	**65**	**62**	47	**64**	**58**	**60**	47	**53**	**57**	**63**	46	N, V
R1796	Residential	NCA01	29	37	43	39	25	43	34	36	23	41	34	41	26	-
R1797	Residential	NCA01	28	38	45	43	27	46	33	35	23	40	36	42	25	-
R1798	Residential	NCA01	39	**57**	**62**	**58**	43	**61**	47	**49**	36	**51**	**53**	**60**	36	N, V
R1799	Residential	NCA01	28	37	43	40	25	43	33	35	21	40	34	41	25	-
R1800	Residential	NCA04	**67**	**49**	43	39	25	43	36	38	27	45	45	**52**	**64**	N, V
R1801	Residential	NCA01	40	**57**	**61**	**58**	41	**61**	47	**49**	36	**52**	**54**	**61**	37	N, V
R1802	Residential	NCA01	26	35	40	37	23	40	30	32	21	37	32	38	23	-
R1803	Residential	NCA01	48	**60**	**62**	**61**	42	**62**	**55**	**57**	42	**52**	**56**	**63**	45	N, V
R1804	Residential	NCA01	25	35	41	38	24	42	29	30	17	37	32	39	22	-
R1805	Residential	NCA01	28	36	42	40	25	43	34	35	24	40	34	40	25	-
R1806	Residential	NCA04	**59**	44	39	35	22	38	31	33	22	40	37	44	**56**	N, V
R1807	Residential	NCA04	**53**	47	41	38	24	41	34	36	25	43	41	**52**	**50**	-
R1808	Residential	NCA01	45	**62**	**64**	**63**	45	**64**	**56**	**57**	45	**56**	**57**	**64**	42	N, V
R1809	Residential	NCA01	38	**59**	**62**	**58**	42	**62**	**49**	**50**	34	**50**	**54**	**61**	35	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1810	Residential	NCA01	44	**63**	**64**	**64**	46	**64**	**55**	**56**	45	**56**	**58**	**65**	41	N, V
R1811	Residential	NCA01	28	37	44	41	26	43	34	35	23	40	33	40	25	-
R1812	Residential	NCA01	30	40	46	43	29	47	35	37	26	41	37	43	27	-
R1813	Residential	NCA01	47	**60**	**62**	**60**	42	**63**	**53**	**55**	41	**59**	**55**	**62**	44	N, V
R1814	Industrial	NCA04	46	76	44	43	25	43	41	38	25	51	81	88	43	-
R1815	Residential	NCA01	40	**58**	**62**	**58**	43	**62**	45	47	35	**52**	**53**	**60**	37	N, V
R1816	Residential	NCA04	**51**	**55**	45	42	27	45	39	41	26	**51**	**50**	**60**	**48**	N, V
R1817	Residential	NCA04	**62**	45	42	39	25	42	36	38	26	47	43	**50**	**59**	N, V
R1818	Residential	NCA01	38	**56**	**61**	**57**	42	**61**	46	47	33	**50**	**52**	**59**	35	N, V
R1819	Residential	NCA04	**55**	**58**	44	42	27	44	38	40	28	**50**	**48**	**56**	**52**	N, V
R1820	Residential	NCA01	40	**56**	**60**	**58**	40	**60**	48	**49**	35	**51**	**53**	**60**	37	N, V
R1821	Residential	NCA01	45	**63**	**64**	**64**	46	**64**	**55**	**57**	44	**55**	**59**	**66**	42	N, V
R1822	Residential	NCA01	25	38	46	43	28	46	30	31	16	37	34	41	22	-
R1823	Residential	NCA01	27	34	41	40	24	44	32	34	20	38	31	38	24	-
R1824	Residential	NCA01	42	**62**	**65**	**62**	45	**65**	**53**	**55**	41	**54**	**56**	**63**	39	N, V
R1825	Residential	NCA01	38	**59**	**60**	**59**	41	**60**	47	48	31	**49**	**54**	**60**	35	N, V
R1826	Residential	NCA04	**63**	**52**	42	39	25	42	35	37	26	47	45	**52**	**60**	N, V
R1827	Residential	NCA01	30	44	**49**	46	32	**52**	37	38	27	42	40	47	27	-
R1828	Residential	NCA01	42	**63**	**64**	**62**	45	**65**	**53**	**54**	40	**54**	**58**	**65**	39	N, V
R1829	Residential	NCA01	27	40	47	44	29	**52**	33	35	21	39	38	46	24	-
R1830	Industrial	NCA04	48	77	52	49	33	52	45	47	35	63	82	89	45	-
R1831	Residential	NCA01	36	**52**	**59**	**54**	40	**59**	42	43	31	48	**49**	**56**	33	N, V
R1832	Residential	NCA01	29	42	**49**	46	31	**50**	36	36	25	41	39	45	26	-
R1833	Residential	NCA04	**49**	**59**	43	39	25	42	36	38	26	**48**	47	**55**	46	N, V
R1834	Residential	NCA04	**50**	**57**	44	40	26	43	38	39	26	**50**	47	**55**	47	-
R1835	Residential	NCA04	41	**55**	45	42	28	45	39	40	29	**52**	**51**	**58**	38	N, V
R1836	Residential	NCA01	41	**63**	**64**	**64**	45	**66**	**52**	**53**	39	**53**	**58**	**65**	38	N, V
R1837	Residential	NCA04	**52**	**53**	44	40	26	44	37	39	27	**49**	45	**53**	**49**	-
R1838	Residential	NCA01	27	38	45	41	27	44	33	35	23	39	34	41	24	-
R1839	Residential	NCA01	41	**62**	**64**	**62**	45	**64**	**52**	**56**	40	**54**	**56**	**63**	38	N, V
R1840	Residential	NCA01	43	**63**	**65**	**64**	47	**65**	**52**	**54**	42	**54**	**58**	**65**	40	N, V
R1841	Residential	NCA01	40	**63**	**64**	**62**	44	**64**	**50**	**51**	37	**52**	**58**	**64**	37	N, V
R1842	Residential	NCA01	29	42	48	45	31	**49**	35	37	25	41	38	45	26	-
R1843	Residential	NCA01	43	**63**	**65**	**63**	46	**65**	**51**	**53**	40	**55**	**58**	**65**	40	N, V
R1844	Residential	NCA04	47	**48**	42	38	25	42	35	37	26	43	41	**52**	44	-
R1845	Residential	NCA01	42	**64**	**65**	**65**	47	**65**	**51**	**52**	39	**53**	**59**	**66**	39	N, V
R1846	Residential	NCA01	38	**61**	**63**	**61**	44	**64**	46	47	34	**50**	**56**	**62**	35	N, V
R1847	Residential	NCA01	39	**63**	**64**	**62**	44	**64**	**49**	**51**	36	**51**	**58**	**64**	36	N, V
R1848	Residential	NCA01	32	47	**54**	**50**	36	**55**	38	40	27	44	44	**51**	29	-
R1849	Residential	NCA01	36	**62**	**68**	**64**	**50**	**68**	44	46	31	48	**59**	**66**	33	N, V
R1850	Industrial	NCA01	34	60	65	61	47	65	41	42	30	46	54	62	31	-
R1851	Residential	NCA04	**55**	**48**	44	41	27	44	38	40	28	**51**	44	**53**	**52**	-
R1852	Residential	NCA01	39	**62**	**63**	**60**	43	**63**	**49**	**51**	35	**49**	**56**	**63**	36	N, V
R1853	Residential	NCA01	32	44	**49**	46	30	**53**	38	39	26	44	41	47	29	-
R1854	Residential	NCA01	40	**63**	**67**	**65**	**49**	**68**	47	**49**	34	**50**	**59**	**66**	37	N, V
R1855	Residential	NCA01	29	40	46	43	29	46	34	36	24	40	37	44	26	-
R1856	Residential	NCA01	27	35	42	38	25	42	32	34	20	39	33	39	24	-
R1857	Residential	NCA01	39	**63**	**64**	**61**	44	**64**	48	**51**	35	**51**	**57**	**64**	36	N, V
R1858	Residential	NCA01	38	**62**	**66**	**63**	47	**67**	45	47	33	**49**	**58**	**65**	35	N, V
R1859	Residential	NCA01	28	39	47	44	31	48	34	36	24	40	37	44	25	-
R1860	Residential	NCA04	**51**	46	39	35	21	39	32	34	23	45	39	47	**48**	-
R1861	Industrial	NCA04	50	78	50	48	32	50	44	46	35	77	92	99	47	-
R1862	Residential	NCA04	**52**	47	40	36	23	40	32	35	24	45	39	47	**49**	-
R1863	Residential	NCA01	40	**63**	**66**	**63**	47	**65**	**49**	**51**	37	**52**	**60**	**67**	37	N, V
R1864	Residential	NCA01	38	**62**	**68**	**64**	**50**	**68**	44	46	33	48	**59**	**66**	35	N, V
R1865	Residential	NCA04	**55**	**49**	42	39	25	42	35	37	25	46	43	**50**	**52**	-
R1866	Residential	NCA01	41	**63**	**64**	**63**	45	**64**	**49**	**51**	37	**52**	**58**	**66**	38	N, V
R1867	Residential	NCA04	**56**	45	39	36	22	39	32	34	24	45	40	47	**53**	-
R1868	Residential	NCA04	47	**48**	42	39	24	42	35	37	25	47	41	**51**	44	-
R1869	Residential	NCA01	28	37	43	40	26	43	32	34	21	40	33	40	25	-
R1870	Residential	NCA01	29	42	**49**	45	31	**49**	35	37	25	41	39	46	26	-
R1871	Residential	NCA04	**52**	46	41	38	24	41	35	37	25	46	37	44	**49**	-
R1872	Residential	NCA04	**54**	**48**	40	36	23	39	33	35	24	47	42	**49**	**51**	-
R1873	Residential	NCA04	47	**48**	43	40	26	43	37	39	28	**49**	46	**53**	44	-
R1874	Residential	NCA01	41	**60**	**64**	**61**	44	**65**	**49**	**50**	37	**52**	**56**	**63**	38	N, V
R1875	Residential	NCA01	39	**62**	**65**	**61**	46	**65**	48	**50**	36	**50**	**58**	**64**	36	N, V
R1876	Residential	NCA01	38	**63**	**64**	**62**	44	**64**	**49**	**51**	35	**50**	**58**	**64**	35	N, V
R1877	Residential	NCA01	27	37	44	41	26	44	33	35	21	39	34	41	24	-
R1878	Industrial	NCA04	44	44	39	36	22	39	32	34	24	44	39	45	41	-
R1879	Residential	NCA01	39	**63**	**68**	**64**	47	**68**	47	**49**	35	**50**	**59**	**66**	36	N, V
R1880	Commercial	NCA01	33	46	55	51	36	58	40	42	29	45	44	51	30	-
R1881	Residential	NCA01	33	47	**54**	**50**	36	**55**	39	41	29	45	44	**51**	30	-
R1882	Residential	NCA01	31	46	**53**	**49**	36	**53**	37	39	27	43	44	**51**	28	-
R1883	Residential	NCA04	**57**	47	39	36	22	39	32	34	23	46	42	**49**	**54**	-
R1884	Residential	NCA04	**50**	41	36	33	20	36	29	31	21	40	35	42	47	-
R1885	Residential	NCA01	38	**61**	**65**	**62**	47	**65**	47	**49**	35	**49**	**56**	**63**	35	N, V
R1886	Residential	NCA04	**61**	**51**	43	40	26	43	36	38	27	**48**	45	**53**	**58**	N, V
R1887	Residential	NCA01	27	37	44	40	26	44	31	33	20	39	35	41	24	-
R1888	Residential	NCA04	**57**	**49**	42	38	24	41	34	37	25	43	42	**49**	**54**	-
R1889	Residential	NCA01	39	**62**	**65**	**61**	46	**64**	**49**	**50**	35	**50**	**58**	**65**	36	N, V
R1890	Industrial	NCA04	45	43	40	36	23	40	33	35	24	44	39	46	42	-
R1891	Residential	NCA01	29	42	**49**	45	31	48	35	36	25	41	39	45	26	-
R1892	Industrial	NCA04	54	76	52	50	34	51	47	49	35	96	83	90	51	-
R1893	Residential	NCA01	39	**61**	**62**	**61**	42	**62**	**54**	**56**	40	**51**	**56**	**63**	36	N, V
R1894	Residential	NCA04	**51**	38	39	35	22	38	31	31	20	38	33	40	**48**	-
R1895	Residential	NCA01	29	40	47	44	30	48	35	36	23	41	38	45	26	-
R1896	Residential	NCA01	29	37	44	40	26	44	34	35	19	40	35	42	26	-
R1897	Residential	NCA01	27	35	41	37	24	41	33	34	19	39	32	39	24	-
R1898	Residential	NCA04	**57**	**50**	41	38	24	41	34	36	25	47	45	**52**	**54**	-
R1899	Residential	NCA01	42	**61**	**64**	**62**	43	**64**	**56**	**58**	42	**50**	**57**	**64**	39	N, V
R1900	Residential	NCA04	**55**	39	37	33	20	37	29	31	21	37	35	41	**52**	-
R1901	Residential	NCA01	22	32	37	34	20	39	28	30	17	34	29	36	19	-
R1902	Residential	NCA01	23	30	36	32	19	36	27	29	13	35	27	34	20	-
R1903	Residential	NCA01	43	**62**	**64**	**63**	44	**65**	**56**	**57**	40	**55**	**58**	**64**	40	N, V
R1904	Industrial	NCA04	44	44	40	36	23	40	32	34	24	41	37	45	41	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R1905	Residential	NCA01	30	39	47	44	30	48	35	37	22	42	35	42	27	-
R1906	Industrial	NCA01	51	78	82	79	65	73	68	70	59	61	67	74	48	-
R1907	Residential	NCA01	43	**62**	**65**	**62**	44	**65**	**55**	**56**	40	**56**	**57**	**64**	40	N, V
R1908	Residential	NCA01	27	38	46	42	27	45	33	35	22	40	35	42	24	-
R1909	Residential	NCA04	**48**	40	37	33	20	37	30	32	20	38	34	41	45	-
R1910	Industrial	NCA01	32	62	68	64	49	67	38	39	26	43	58	65	29	-
R1911	Residential	NCA01	31	47	**53**	**49**	35	**54**	37	39	27	43	43	**51**	28	-
R1912	Commercial	NCA01	34	50	56	53	39	62	40	42	29	46	47	54	31	-
R1913	Residential	NCA01	44	**62**	**65**	**63**	44	**65**	**55**	**57**	40	**55**	**58**	**65**	41	N, V
R1914	Residential	NCA04	46	39	38	34	21	38	30	32	21	38	34	41	43	-
R1915	Residential	NCA04	**48**	42	39	35	21	39	31	33	22	39	37	43	45	-
R1916	Residential	NCA01	36	**63**	**68**	**64**	**50**	**68**	45	47	33	48	**59**	**66**	33	N, V
R1917	Residential	NCA04	46	**48**	40	37	23	40	34	35	25	47	45	**53**	43	-
R1918	Residential	NCA01	42	**63**	**66**	**64**	45	**66**	**54**	**56**	38	**54**	**58**	**65**	39	N, V
R1919	Educational institute	NCA01	26	35	41	38	23	43	30	32	17	38	32	39	23	-
R1920	Residential	NCA01	43	**62**	**65**	**63**	44	**65**	**55**	**56**	39	**55**	**58**	**65**	40	N, V
R1921	Residential	NCA01	26	33	39	35	22	39	30	32	18	38	30	37	23	-
R1922	Residential	NCA01	29	42	**50**	46	32	**50**	35	37	24	41	40	45	26	-
R1923	Industrial	NCA04	60	76	55	51	38	55	49	51	39	96	83	90	57	-
R1924	Residential	NCA04	**52**	**54**	45	41	27	44	38	40	29	**51**	**51**	**57**	**49**	-
R1925	Residential	NCA04	**50**	**49**	40	37	23	40	33	35	25	44	44	**52**	47	-
R1926	Residential	NCA01	42	**66**	**67**	**65**	46	**67**	**54**	**56**	39	**54**	**60**	**67**	39	N, V
R1927	Residential	NCA04	**53**	40	38	34	21	38	31	33	22	40	34	41	**50**	-
R1928	Residential	NCA04	**50**	**49**	43	39	25	42	37	39	26	**49**	47	**53**	47	-
R1929	Residential	NCA01	41	**67**	**67**	**67**	47	**67**	**54**	**55**	39	**52**	**61**	**68**	38	N, V
R1930	Residential	NCA04	46	**49**	39	36	22	39	32	34	23	42	46	**54**	43	-
R1931	Commercial	NCA01	35	53	60	56	42	60	41	44	31	47	51	58	32	-
R1932	Residential	NCA04	**50**	46	38	35	22	38	31	33	22	41	42	**49**	47	-
R1933	Residential	NCA01	25	32	39	34	21	39	29	31	16	37	29	37	22	-
R1934	Residential	NCA01	41	**64**	**66**	**63**	46	**66**	**53**	**55**	38	**53**	**58**	**65**	38	N, V
R1935	Residential	NCA01	28	36	42	39	25	43	32	34	19	39	33	40	25	-
R1936	Residential	NCA04	45	47	42	38	25	42	34	37	26	43	43	**49**	42	-
R1937	Residential	NCA04	46	**48**	40	36	23	40	32	35	24	47	44	**49**	43	-
R1938	Residential	NCA01	31	40	47	44	29	47	36	38	22	42	35	42	28	-
R1939	Residential	NCA01	31	47	**52**	**49**	35	**54**	38	40	27	43	41	48	28	-
R1940	Residential	NCA04	47	43	38	34	21	38	30	33	22	40	40	47	44	-
R1941	Residential	NCA01	29	39	47	43	29	46	35	36	23	41	37	44	26	-
R1942	Residential	NCA01	40	**66**	**66**	**64**	46	**66**	**51**	**52**	36	**52**	**60**	**67**	37	N, V
R1943	Residential	NCA04	44	45	40	37	23	40	33	35	23	42	36	43	41	-
R1944	Residential	NCA01	23	30	36	32	19	37	26	28	12	35	27	34	20	-
R1945	Residential	NCA01	42	**60**	**61**	**61**	42	**63**	**54**	**56**	41	**54**	**56**	**63**	39	N, V
R1946	Residential	NCA04	**48**	43	40	36	23	40	34	35	24	44	38	45	45	-
R1947	Industrial	NCA04	58	71	53	49	35	54	48	50	37	84	74	81	55	-
R1948	Residential	NCA01	29	42	**49**	45	31	48	35	37	25	41	39	46	26	-
R1949	Residential	NCA04	45	41	39	35	22	39	31	34	23	42	37	45	42	-
R1950	Residential	NCA04	47	44	39	35	22	39	31	34	23	40	37	44	44	-
R1951	Industrial	NCA04	48	65	49	46	32	48	43	45	34	67	65	72	45	-
R1952	Place of worship	NCA01	32	45	50	48	32	53	37	39	24	44	40	47	29	-
R1953	Residential	NCA01	42	**68**	**67**	**68**	48	**68**	**51**	**53**	39	**53**	**63**	**69**	39	N, V
R1954	Residential	NCA04	**52**	43	39	35	22	39	32	34	23	40	36	43	**49**	-
R1955	Residential	NCA01	30	38	44	40	26	44	36	38	23	42	35	42	27	-
R1956	Residential	NCA01	26	33	39	36	22	40	29	31	16	37	30	37	23	-
R1957	Residential	NCA04	46	43	41	37	23	41	33	35	25	42	37	43	43	-
R1958	Residential	NCA04	**54**	**48**	42	39	25	42	35	37	26	46	41	**49**	**51**	-
R1959	Residential	NCA01	38	**66**	**67**	**65**	48	**67**	41	42	28	**50**	**61**	**68**	35	N, V
R1960	Residential	NCA01	40	**67**	**66**	**65**	46	**67**	**49**	**50**	33	**51**	**60**	**67**	37	N, V
R1961	Residential	NCA04	**48**	40	39	36	22	39	33	35	24	43	35	42	45	-
R1962	Residential	NCA01	31	40	46	44	30	48	37	39	26	43	36	43	28	-
R1963	Residential	NCA01	38	**66**	**66**	**65**	46	**66**	47	**49**	34	**50**	**60**	**67**	35	N, V
R1964	Residential	NCA04	**52**	39	40	36	23	40	33	35	24	44	35	42	**49**	-
R1965	Residential	NCA04	**52**	43	40	36	22	39	31	34	23	40	40	46	**49**	-
R1966	Residential	NCA04	41	40	40	37	23	39	34	36	24	46	37	44	38	-
R1967	Residential	NCA01	41	**68**	**69**	**69**	**50**	**69**	**50**	**52**	38	**52**	**64**	**71**	38	N, V
R1968	Residential	NCA01	28	37	45	41	28	44	33	35	21	40	35	41	25	-
R1969	Residential	NCA04	**51**	**48**	42	38	24	41	34	36	26	46	42	**49**	**48**	-
R1970	Residential	NCA04	**53**	46	43	39	25	43	35	37	25	45	40	47	**50**	-
R1971	Residential	NCA01	31	38	44	40	25	44	36	38	22	43	35	42	28	-
R1972	Residential	NCA04	**51**	46	40	36	22	39	33	35	24	46	42	**48**	**48**	-
R1973	Residential	NCA01	28	43	**50**	47	32	**51**	35	37	22	41	38	46	25	-
R1974	Residential	NCA01	33	**66**	**66**	**65**	47	**66**	41	43	28	42	**60**	**67**	30	N, V
R1975	Residential	NCA01	27	37	45	41	27	45	33	35	22	40	35	42	24	-
R1976	Residential	NCA01	31	48	**53**	**50**	36	**55**	38	39	27	43	43	**50**	28	-
R1977	Residential	NCA04	42	44	39	35	22	39	32	33	23	41	38	45	39	-
R1978	Residential	NCA04	**53**	44	42	39	25	42	35	37	26	44	42	**48**	**50**	-
R1979	Residential	NCA01	30	44	**51**	48	34	**51**	35	37	26	42	41	48	27	-
R1980	Residential	NCA01	39	**67**	**69**	**67**	**49**	**67**	47	**49**	36	**50**	**62**	**69**	36	N, V
R1981	Residential	NCA04	43	**52**	44	41	27	44	38	40	29	**50**	**50**	**56**	40	-
R1982	Residential	NCA01	37	**66**	**66**	**66**	46	**67**	46	48	33	**49**	**61**	**68**	34	N, V
R1983	Residential	NCA01	39	**66**	**68**	**66**	48	**68**	48	**49**	36	**50**	**60**	**67**	36	N, V
R1984	Residential	NCA01	29	47	**54**	**50**	36	**55**	35	37	25	41	41	48	26	-
R1985	Residential	NCA01	28	40	46	42	29	46	35	36	22	41	37	44	25	-
R1986	Residential	NCA04	42	44	43	39	25	43	35	37	27	44	42	47	39	-
R1987	Industrial	NCA01	43	69	69	69	50	69	53	55	40	54	63	70	40	-
R1988	Residential	NCA01	30	47	**53**	**51**	35	**54**	37	39	24	42	41	48	27	-
R1989	Residential	NCA04	**52**	**48**	42	39	25	42	35	37	27	45	41	**49**	**49**	-
R1990	Residential	NCA01	27	35	40	37	24	41	32	34	20	39	31	39	24	-
R1991	Residential	NCA01	31	48	**54**	**51**	38	**55**	37	38	25	43	44	**51**	28	-
R1992	Residential	NCA04	43	39	39	36	22	39	33	35	23	41	34	41	40	-
R1993	Residential	NCA01	28	42	**49**	45	31	**49**	34	36	24	40	39	46	25	-
R1994	Residential	NCA04	43	35	39	35	22	39	32	34	23	41	32	39	40	-
R1995	Residential	NCA01	39	**66**	**69**	**66**	**49**	**69**	47	**49**	34	**50**	**61**	**68**	36	N, V
R1996	Residential	NCA01	39	**66**	**67**	**65**	46	**67**	48	**49**	34	**51**	**61**	**68**	36	N, V
R1997	Residential	NCA04	**49**	42	39	36	22	39	32	34	24	40	38	45	46	-
R1998	Residential	NCA01	31	48	**53**	**50**	36	**54**	37	38	27	43	44	**50**	28	-
R1999	Residential	NCA01	29	39	46	43	29	47	33	35	19	41	35	41	26	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2000	Residential	NCA01	28	37	43	39	26	44	33	34	20	40	34	41	25	-
R2001	Residential	NCA04	43	47	44	40	26	43	37	39	28	**49**	45	**51**	40	-
R2002	Residential	NCA04	**52**	43	41	37	24	41	33	35	24	41	39	46	**49**	-
R2003	Residential	NCA01	38	**67**	**70**	**66**	**49**	**70**	47	**49**	34	**50**	**61**	**68**	35	N, V
R2004	Residential	NCA04	38	38	37	34	20	37	30	33	23	37	34	41	35	-
R2005	Residential	NCA01	30	46	**53**	**50**	35	**54**	35	37	23	42	41	48	27	-
R2006	Residential	NCA01	37	**66**	**69**	**66**	**50**	**69**	44	46	32	47	**61**	**68**	34	N, V
R2007	Residential	NCA01	25	32	38	34	21	39	25	27	14	34	29	36	22	-
R2008	Residential	NCA01	29	41	46	42	30	47	34	36	24	41	37	44	26	-
R2009	Residential	NCA01	38	**66**	**70**	**67**	**50**	**70**	46	48	32	**49**	**62**	**69**	35	N, V
R2010	Residential	NCA01	30	43	**50**	46	32	**50**	36	38	22	42	41	48	27	-
R2011	Residential	NCA01	26	32	38	34	21	38	29	30	16	38	29	36	23	-
R2012	Residential	NCA04	42	**49**	43	40	26	43	37	39	28	**49**	47	**52**	39	-
R2013	Residential	NCA04	**52**	41	40	37	23	40	32	35	24	41	38	45	**49**	-
R2014	Residential	NCA01	38	**65**	**68**	**65**	**49**	**68**	46	48	32	48	**60**	**67**	35	N, V
R2015	Residential	NCA01	39	**67**	**70**	**67**	**52**	**71**	46	48	35	**50**	**62**	**69**	36	N, V
R2016	Residential	NCA01	40	**70**	**68**	**68**	47	**68**	**49**	**52**	35	**51**	**61**	**69**	37	N, V
R2017	Residential	NCA04	44	37	41	38	24	41	34	36	25	42	35	42	41	-
R2018	Residential	NCA04	**48**	40	41	38	24	41	34	36	23	40	37	44	45	-
R2019	Residential	NCA01	28	37	43	39	26	43	33	35	20	40	34	40	25	-
R2020	Residential	NCA01	27	38	45	41	27	45	33	35	21	40	35	42	24	-
R2021	Residential	NCA01	26	39	45	41	27	46	29	31	17	38	36	43	23	-
R2022	Commercial	NCA01	35	68	66	63	49	71	40	42	31	45	56	63	32	-
R2023	Residential	NCA04	**50**	40	39	35	22	39	31	33	23	39	37	43	47	-
R2024	Residential	NCA01	40	**70**	**72**	**70**	**54**	**73**	47	48	35	**51**	**64**	**71**	37	N, V
R2025	Residential	NCA01	27	33	40	35	21	39	31	33	16	39	30	38	24	-
R2026	Residential	NCA01	36	**69**	**72**	**69**	**54**	**72**	42	44	30	48	**63**	**70**	33	N, V
R2027	Residential	NCA04	41	44	43	40	26	43	36	39	26	44	41	47	38	-
R2028	Industrial	NCA01	42	76	71	73	50	73	54	56	39	54	65	72	39	-
R2029	Residential	NCA04	43	**51**	44	41	27	44	37	39	29	**50**	**49**	**56**	40	-
R2030	Place of worship	NCA01	30	42	48	45	31	48	34	36	22	42	39	47	27	-
R2031	Residential	NCA01	35	**68**	**72**	**68**	**54**	**72**	41	43	29	47	**63**	**70**	32	N, V
R2032	Residential	NCA04	**48**	41	37	34	21	37	30	32	22	39	35	47	45	-
R2033	Residential	NCA01	29	39	45	41	28	46	34	35	23	40	36	43	26	-
R2034	Residential	NCA01	40	**71**	**71**	**70**	**49**	**69**	**49**	**51**	36	**51**	**65**	**72**	37	N, V
R2035	Place of worship	NCA01	30	43	50	46	32	50	36	37	25	41	40	47	27	-
R2036	Residential	NCA01	27	34	39	35	22	39	31	33	18	38	30	37	24	-
R2037	Residential	NCA04	45	44	42	39	25	42	35	37	25	44	42	**49**	42	-
R2038	Industrial	NCA04	48	61	49	47	32	49	44	46	35	71	60	67	45	-
R2039	Commercial	NCA01	33	56	60	56	43	62	40	41	29	45	46	53	30	-
R2040	Residential	NCA01	38	**70**	**67**	**67**	48	**68**	48	**50**	34	**50**	**62**	**69**	35	N, V
R2041	Residential	NCA04	44	39	38	34	20	36	31	33	22	39	37	44	41	-
R2042	Residential	NCA04	42	47	43	39	25	42	36	38	26	45	45	**51**	39	-
R2043	Residential	NCA01	22	28	34	32	17	36	24	26	13	34	25	32	19	-
R2044	Commercial	NCA01	33	51	57	53	39	58	40	42	28	45	46	53	30	-
R2045	Residential	NCA04	43	**51**	44	40	26	43	37	39	28	**49**	**49**	**54**	40	-
R2046	Residential	NCA04	46	46	42	38	25	41	35	37	26	44	44	**49**	43	-
R2047	Residential	NCA04	47	46	41	37	24	41	34	36	25	46	40	45	44	-
R2048	Residential	NCA04	45	43	40	37	23	40	34	36	24	45	40	47	42	-
R2049	Residential	NCA01	28	39	46	41	28	46	34	36	21	41	36	43	25	-
R2050	Commercial	NCA01	34	64	65	61	47	69	41	43	28	46	56	63	31	-
R2051	Residential	NCA01	39	**73**	**70**	**70**	**49**	**70**	**49**	**50**	34	**51**	**64**	**71**	36	N, V
R2052	Industrial	NCA04	44	44	40	37	23	40	33	35	25	44	38	44	41	-
R2053	Residential	NCA01	29	40	47	43	29	47	34	36	22	41	37	44	26	-
R2054	Residential	NCA04	44	41	40	37	22	39	33	35	24	44	39	47	41	-
R2055	Residential	NCA01	40	**78**	**78**	**76**	**59**	**78**	47	**49**	36	**50**	**70**	**77**	37	N, V
R2056	Commercial	NCA01	32	49	55	51	37	55	39	40	27	43	46	53	29	-
R2057	Residential	NCA01	29	39	47	44	29	48	34	36	21	40	37	44	26	-
R2058	Residential	NCA01	28	42	48	45	31	**49**	34	36	25	40	39	46	25	-
R2059	Residential	NCA01	25	33	39	37	22	41	29	31	16	37	30	37	22	-
R2060	Residential	NCA01	27	36	43	39	25	43	33	35	21	39	33	40	24	-
R2061	Residential	NCA01	41	**76**	**72**	**73**	**51**	**72**	**52**	**54**	39	**52**	**66**	**72**	38	N, V
R2062	Residential	NCA04	47	**52**	45	42	28	45	39	41	30	**50**	**50**	**56**	44	-
R2063	Residential	NCA04	**51**	47	44	39	25	43	37	39	27	**48**	44	**50**	**48**	-
R2064	Residential	NCA01	36	**69**	**72**	**69**	**53**	**73**	44	45	30	48	**64**	**71**	33	N, V
R2065	Residential	NCA01	29	38	45	41	28	46	35	36	23	40	35	42	26	-
R2066	Residential	NCA01	24	34	41	37	23	41	30	32	17	36	31	38	21	-
R2067	Residential	NCA04	46	45	42	38	25	42	35	37	26	**48**	42	47	43	-
R2068	Residential	NCA04	45	44	37	34	20	36	31	33	19	39	37	42	42	-
R2069	Commercial	NCA01	32	50	55	52	38	59	38	40	25	44	43	50	29	-
R2070	Residential	NCA01	41	**76**	**73**	**75**	**54**	**74**	**50**	**53**	38	**53**	**69**	**76**	38	N, V
R2071	Residential	NCA04	46	**51**	40	36	23	39	33	35	25	45	**48**	**54**	43	-
R2072	Residential	NCA01	38	**71**	**69**	**70**	**50**	**70**	47	**49**	33	**50**	**64**	**71**	35	N, V
R2073	Residential	NCA01	34	**68**	**72**	**68**	**54**	**72**	42	43	29	46	**63**	**70**	31	N, V
R2074	Residential	NCA01	30	44	**50**	46	33	**51**	36	38	25	42	40	48	27	-
R2075	Industrial	NCA04	48	60	50	48	32	50	45	47	35	70	60	67	45	-
R2076	Residential	NCA04	**48**	44	41	38	23	41	35	37	25	47	42	47	45	-
R2077	Residential	NCA04	41	38	34	31	16	33	27	29	18	39	32	39	38	-
R2078	Residential	NCA04	**50**	47	43	39	25	43	36	38	27	47	45	**48**	47	-
R2079	Residential	NCA04	**50**	46	42	38	24	41	35	37	26	46	43	**48**	47	-
R2080	Residential	NCA01	24	31	36	33	20	37	27	29	13	35	28	35	21	-
R2081	Residential	NCA01	39	**77**	**75**	**75**	**55**	**76**	48	**50**	36	**51**	**70**	**77**	36	N, V
R2082	Residential	NCA01	30	43	**50**	46	32	**50**	37	39	24	42	40	47	27	-
R2083	Residential	NCA01	40	**77**	**72**	**72**	**51**	**72**	48	**50**	36	**49**	**66**	**73**	37	N, V
R2084	Residential	NCA04	46	44	40	37	22	39	34	36	24	45	40	46	43	-
R2085	Industrial	NCA04	58	64	51	49	34	50	48	49	38	73	63	70	55	-
R2086	Residential	NCA01	25	33	39	36	22	40	30	31	15	37	30	37	22	-
R2087	Residential	NCA01	38	**76**	**77**	**75**	**60**	**78**	46	48	34	**50**	**69**	**76**	35	N, V
R2088	Residential	NCA01	41	**76**	**77**	**75**	**60**	**78**	**49**	**51**	37	**50**	**69**	**76**	38	N, V
R2089	Commercial	NCA01	31	49	55	51	37	55	38	40	28	43	45	52	28	-
R2090	Industrial	NCA04	43	59	44	42	28	44	38	40	29	67	58	65	40	-
R2091	Residential	NCA01	27	36	43	39	25	43	32	34	19	39	34	40	24	-
R2092	Residential	NCA01	37	**78**	**72**	**74**	**52**	**73**	45	48	35	48	**67**	**74**	34	N, V
R2093	Residential	NCA01	39	**77**	**73**	**74**	**53**	**73**	44	47	35	**49**	**68**	**75**	36	N, V
R2094	Residential	NCA01	28	40	46	42	29	47	32	34	20	40	37	44	25	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2095	Residential	NCA04	46	47	41	37	23	41	34	36	25	47	45	**51**	43	-
R2096	Residential	NCA01	28	44	**50**	46	32	**51**	34	36	24	40	41	48	25	-
R2097	Residential	NCA01	29	40	46	45	28	**49**	34	36	24	41	36	44	26	-
R2098	Residential	NCA01	29	41	47	44	30	47	34	36	23	41	38	45	26	-
R2099	Commercial	NCA01	25	36	44	42	26	46	29	31	16	37	32	39	22	-
R2100	Residential	NCA04	**49**	**49**	44	40	26	43	37	39	28	**49**	46	**50**	46	-
R2101	Commercial	NCA01	30	42	49	45	30	49	36	37	22	42	38	45	27	-
R2102	Industrial	NCA04	48	56	49	46	31	49	43	45	34	61	54	61	45	-
R2103	Commercial	NCA01	37	70	68	66	50	75	43	45	32	47	60	67	34	-
R2104	Commercial	NCA01	25	37	42	42	27	47	29	31	16	37	33	40	22	-
R2105	Residential	NCA04	**49**	**50**	44	41	27	44	38	41	30	**51**	**48**	**54**	46	-
R2106	Industrial	NCA04	66	65	57	54	39	57	50	52	41	73	64	71	63	-
R2107	Residential	NCA01	24	33	40	36	21	40	28	30	15	36	31	38	21	-
R2108	Residential	NCA04	**49**	**50**	41	39	24	41	36	38	25	**48**	47	**54**	46	-
R2109	Residential	NCA02	**54**	**75**	**91**	**100**	**78**	**87**	**82**	**83**	**72**	**66**	**78**	**85**	**51**	N, V
R2110	Residential	NCA01	37	**76**	**76**	**74**	**56**	**77**	44	47	33	47	**69**	**75**	34	N, V
R2111	Residential	NCA04	**50**	43	40	37	23	40	34	36	24	46	40	46	47	-
R2112	Residential	NCA01	32	**75**	**76**	**74**	**56**	**76**	39	41	25	44	**68**	**75**	29	N, V
R2113	Residential	NCA04	45	**51**	44	41	27	44	38	40	29	**51**	**49**	**55**	42	-
R2114	Residential	NCA01	37	**76**	**75**	**74**	**56**	**76**	44	47	33	46	**68**	**75**	34	N, V
R2115	Residential	NCA01	29	43	**50**	46	32	**50**	35	37	23	41	40	46	26	-
R2116	Residential	NCA04	**48**	**51**	45	42	27	44	39	41	30	**51**	**49**	**55**	45	-
R2117	Residential	NCA01	27	38	45	41	27	45	32	34	20	39	35	42	24	-
R2118	Residential	NCA01	38	**77**	**77**	**76**	**59**	**78**	45	47	33	48	**70**	**77**	35	N, V
R2119	Commercial	NCA01	35	58	61	58	46	64	40	42	30	46	53	60	32	-
R2120	Residential	NCA04	44	**52**	44	41	27	44	38	40	29	**50**	**49**	**55**	41	-
R2121	Industrial	NCA04	52	59	50	47	32	50	45	47	35	69	59	66	49	-
R2122	Residential	NCA02	**52**	**72**	**89**	**92**	**76**	**86**	**78**	**81**	**70**	**62**	**76**	**83**	**49**	N, V
R2123	Residential	NCA01	27	37	43	39	25	43	32	34	20	39	34	41	24	-
R2124	Residential	NCA04	41	38	38	34	21	38	30	32	22	39	35	41	38	-
R2125	Commercial	NCA01	38	77	78	76	60	78	45	47	34	50	70	77	35	-
R2126	Commercial	NCA01	30	45	52	49	34	53	35	37	22	42	42	49	27	-
R2127	Residential	NCA01	27	36	42	39	25	43	32	34	20	39	33	41	24	-
R2128	Residential	NCA02	**51**	**72**	**88**	**91**	**75**	**86**	**77**	**80**	**69**	**59**	**75**	**82**	48	N, V
R2129	Residential	NCA01	28	43	**49**	46	32	**49**	34	36	24	40	39	47	25	-
R2130	Residential	NCA04	45	**49**	40	37	23	40	35	37	24	46	44	47	42	-
R2131	Residential	NCA04	45	44	41	38	24	41	35	37	26	46	42	**48**	42	-
R2132	Residential	NCA01	26	36	43	39	25	43	32	34	19	38	34	40	23	-
R2133	Residential	NCA04	42	42	40	37	23	40	34	36	25	45	40	45	39	-
R2134	Industrial	NCA04	52	61	45	41	28	45	37	39	29	68	59	66	49	-
R2135	Residential	NCA02	**51**	**70**	**88**	**91**	**75**	**85**	**74**	**77**	**66**	**61**	**75**	**82**	48	N, V
R2136	Residential	NCA04	41	42	38	36	21	38	33	35	23	44	39	45	38	-
R2137	Industrial	NCA04	47	58	49	46	32	48	43	45	34	62	56	63	44	-
R2138	Residential	NCA02	47	**72**	**88**	**92**	**75**	**86**	**72**	**74**	**64**	**59**	**75**	**82**	44	N, V
R2139	Commercial	NCA01	32	53	57	54	39	57	38	39	24	43	48	55	29	-
R2140	Residential	NCA02	48	**73**	**88**	**91**	**74**	**86**	**68**	**70**	**60**	**60**	**75**	**82**	45	N, V
R2141	Residential	NCA04	38	39	41	38	24	41	34	36	25	46	37	44	35	-
R2142	Residential	NCA02	**54**	**69**	**80**	**79**	**64**	**79**	**73**	**74**	**63**	**66**	**69**	**76**	**51**	N, V
R2143	Commercial	NCA01	30	41	47	44	30	48	36	38	22	42	38	45	27	-
R2144	Residential	NCA04	**48**	46	42	39	25	42	35	37	27	47	43	**50**	45	-
R2145	Residential	NCA04	33	44	41	38	24	41	34	36	25	46	43	**49**	30	-
R2146	Residential	NCA02	47	**73**	**88**	**90**	**74**	**86**	**66**	**68**	**58**	**59**	**75**	**82**	44	N, V
R2147	Residential	NCA01	27	40	46	42	28	46	34	36	23	40	37	44	24	-
R2148	Residential	NCA04	47	40	39	35	21	39	31	33	22	43	37	42	44	-
R2149	Residential	NCA02	**49**	**73**	**89**	**91**	**75**	**86**	**65**	**67**	**56**	**59**	**75**	**82**	46	N, V
R2150	Commercial	NCA01	34	56	60	57	43	62	39	42	29	45	51	58	31	-
R2151	Commercial	NCA01	31	46	52	49	34	53	37	39	25	43	42	49	28	-
R2152	Residential	NCA02	47	**74**	**89**	**91**	**75**	**86**	**64**	**66**	**55**	**58**	**75**	**82**	44	N, V
R2153	Residential	NCA01	23	33	39	35	22	40	26	29	16	34	30	37	20	-
R2154	Residential	NCA04	47	37	42	39	24	42	36	38	25	45	35	43	44	-
R2155	Residential	NCA04	47	41	41	38	24	41	34	37	26	46	38	46	44	-
R2156	Residential	NCA04	38	**51**	45	42	27	44	38	40	29	**52**	**48**	**55**	35	-
R2157	Industrial	NCA04	46	59	48	46	31	48	42	44	33	60	58	65	43	-
R2158	Residential	NCA02	45	**74**	**92**	**99**	**80**	**88**	**60**	**62**	**51**	**56**	**77**	**84**	42	N, V
R2159	Residential	NCA02	45	**72**	**88**	**91**	**75**	**86**	**63**	**64**	**51**	**58**	**75**	**82**	42	N, V
R2160	Residential	NCA04	46	44	44	40	26	43	37	39	28	**50**	41	**48**	43	-
R2161	Residential	NCA02	45	**73**	**88**	**91**	**75**	**86**	**61**	**62**	**50**	**57**	**75**	**82**	42	N, V
R2162	Residential	NCA01	27	39	45	42	27	45	33	35	20	39	36	43	24	-
R2163	Residential	NCA01	28	43	**49**	46	31	**49**	34	36	22	40	39	46	25	-
R2164	Residential	NCA04	46	45	41	38	24	41	34	37	26	47	43	45	43	-
R2165	Commercial	NCA01	39	79	75	73	58	79	45	47	34	48	67	74	36	-
R2166	Residential	NCA02	39	**73**	**89**	**92**	**76**	**86**	**49**	**51**	38	**49**	**75**	**82**	36	N, V
R2167	Commercial	NCA01	36	65	64	61	48	68	43	45	30	47	56	63	33	-
R2168	Residential	NCA01	28	36	44	40	26	44	32	34	18	39	34	41	25	-
R2169	Residential	NCA04	36	41	37	33	21	37	29	32	22	41	39	43	33	-
R2170	Industrial	NCA04	41	41	39	37	22	39	33	36	23	44	38	45	38	-
R2171	Residential	NCA04	38	45	44	41	27	44	37	39	28	**50**	42	**48**	35	-
R2172	Residential	NCA02	**54**	**66**	**77**	**75**	**61**	**76**	**69**	**71**	**60**	**66**	**67**	**74**	**51**	N, V
R2173	Industrial	NCA04	43	43	40	37	23	40	33	35	25	45	40	47	40	-
R2174	Residential	NCA01	26	34	41	37	23	41	30	33	17	38	31	38	23	-
R2175	Residential	NCA02	**51**	**68**	**79**	**76**	**63**	**77**	**67**	**69**	**53**	**63**	**68**	**75**	48	N, V
R2176	Residential	NCA02	40	**73**	**88**	**90**	**74**	**85**	**51**	**53**	40	**51**	**75**	**82**	37	N, V
R2177	Residential	NCA04	47	42	41	38	24	41	35	37	25	46	39	45	44	-
R2178	Residential	NCA02	42	**73**	**88**	**90**	**75**	**86**	**56**	**58**	44	**53**	**75**	**82**	39	N, V
R2179	Residential	NCA01	28	43	**49**	46	32	**50**	34	36	25	40	40	47	25	-
R2180	Residential	NCA01	28	43	**49**	46	32	**50**	34	36	23	40	40	47	25	-
R2181	Residential	NCA02	43	**73**	**88**	**90**	**75**	**86**	**56**	**58**	46	**54**	**75**	**82**	40	N, V
R2182	Residential	NCA04	38	41	41	38	24	41	34	36	25	**48**	39	46	35	-
R2183	Industrial	NCA04	44	59	48	46	31	48	42	44	33	57	58	65	41	-
R2184	Residential	NCA02	43	**74**	**89**	**91**	**75**	**86**	**55**	**57**	43	**53**	**75**	**82**	40	N, V
R2185	Residential	NCA02	**57**	**65**	**72**	**72**	**55**	**70**	**67**	**69**	**58**	**68**	**65**	**72**	**54**	N, V
R2186	Commercial	NCA01	28	40	46	42	29	46	33	35	20	39	36	43	25	-
R2187	Residential	NCA04	46	**51**	45	42	28	44	39	41	29	**52**	**49**	**54**	43	-
R2188	Residential	NCA01	27	43	**49**	45	31	**49**	33	35	23	38	39	46	24	-
R2189	Industrial	NCA04	46	55	49	47	32	49	43	45	33	62	53	59	43	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2190	Residential	NCA04	41	41	37	33	20	37	30	32	21	41	39	42	38	-
R2191	Residential	NCA04	47	**49**	44	41	27	44	38	40	29	**51**	47	**53**	44	-
R2192	Residential	NCA02	40	**72**	**87**	**88**	**73**	**85**	48	**50**	33	**49**	**74**	**81**	37	N, V
R2193	Residential	NCA04	37	47	39	35	22	39	31	33	23	**48**	44	**50**	34	-
R2194	Residential	NCA02	42	**73**	**87**	**88**	**73**	**85**	**54**	**56**	43	**53**	**74**	**81**	39	N, V
R2195	Industrial	NCA04	63	60	57	54	39	56	50	52	40	68	58	65	60	-
R2196	Residential	NCA02	44	**70**	**81**	**80**	**65**	**80**	48	**50**	38	**51**	**70**	**77**	41	N, V
R2197	Residential	NCA01	26	34	41	37	24	41	30	32	17	37	31	38	23	-
R2198	Residential	NCA02	44	**69**	**81**	**80**	**66**	**79**	**49**	**51**	39	**54**	**69**	**76**	41	N, V
R2199	Residential	NCA01	27	43	48	45	31	**49**	33	35	23	39	39	46	24	-
R2200	Residential	NCA02	45	**69**	**79**	**77**	**63**	**78**	**54**	**56**	45	**57**	**68**	**75**	42	N, V
R2201	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	43	**53**	**75**	**82**	38	N, V
R2202	Commercial	NCA01	29	40	45	42	28	45	34	36	21	41	36	43	26	-
R2203	Residential	NCA02	**54**	**65**	**75**	**72**	**59**	**74**	**67**	**68**	**58**	**66**	**65**	**71**	**51**	N, V
R2204	Residential	NCA01	27	38	46	42	28	46	33	35	21	39	36	43	24	-
R2205	Residential	NCA02	**51**	**65**	**76**	**72**	**59**	**76**	**65**	**67**	**57**	**61**	**66**	**73**	48	N, V
R2206	Residential	NCA04	37	43	42	39	25	42	35	37	27	**48**	42	45	34	-
R2207	Residential	NCA01	25	34	40	37	22	40	30	32	15	36	32	38	22	-
R2208	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	41	**54**	**75**	**82**	38	N, V
R2209	Residential	NCA04	38	46	35	31	18	35	27	29	19	40	43	47	35	-
R2210	Residential	NCA04	45	37	39	35	22	39	30	32	22	43	35	42	42	-
R2211	Residential	NCA01	26	34	42	38	24	42	31	33	17	38	32	39	23	-
R2212	Residential	NCA02	40	**72**	**88**	**90**	**75**	**86**	**52**	**52**	40	**51**	**75**	**82**	37	N, V
R2213	Industrial	NCA04	46	45	42	39	25	42	35	37	27	47	42	49	43	-
R2214	Residential	NCA04	36	43	42	38	25	42	35	36	25	47	40	**48**	33	-
R2215	Commercial	NCA01	32	51	56	53	38	57	38	40	28	44	48	55	29	-
R2216	Industrial	NCA04	47	55	50	48	33	51	45	47	35	62	53	59	44	-
R2217	Commercial	NCA01	28	40	45	42	28	45	35	37	22	40	37	43	25	-
R2218	Residential	NCA02	**51**	**66**	**75**	**72**	**59**	**74**	**66**	**68**	**58**	**63**	**65**	**72**	48	N, V
R2219	Residential	NCA04	45	**53**	45	42	28	45	38	40	29	**53**	**51**	**55**	42	-
R2220	Residential	NCA02	40	**74**	**90**	**93**	**77**	**87**	**51**	**52**	38	**52**	**76**	**83**	37	N, V
R2221	Residential	NCA01	27	38	46	42	28	46	33	35	20	39	36	43	24	-
R2222	Residential	NCA02	42	**69**	**79**	**78**	**64**	**79**	48	**50**	37	**53**	**69**	**76**	39	N, V
R2223	Residential	NCA02	**54**	**65**	**72**	**71**	**56**	**62**	**66**	**67**	**58**	**67**	**64**	**71**	**51**	N, V
R2224	Residential	NCA01	24	31	36	33	19	36	28	31	15	35	28	35	21	-
R2225	Residential	NCA02	42	**67**	**79**	**75**	**59**	**78**	**49**	**50**	39	**54**	**68**	**75**	39	N, V
R2226	Residential	NCA02	42	**70**	**79**	**76**	**62**	**78**	**49**	**51**	39	**51**	**68**	**75**	39	N, V
R2227	Active recreation	NCA01	29	39	46	43	29	46	33	36	19	40	36	43	26	-
R2228	Residential	NCA04	34	42	38	35	22	38	31	33	23	43	40	44	31	-
R2229	Residential	NCA02	37	**73**	**88**	**89**	**75**	**86**	45	47	34	**49**	**75**	**82**	34	N, V
R2230	Active recreation	NCA04	44	44	41	38	24	41	34	36	26	46	41	45	41	-
R2231	Residential	NCA02	**54**	**66**	**74**	**71**	**57**	**73**	**66**	**68**	**57**	**65**	**64**	**71**	**51**	N, V
R2232	Active recreation	NCA04	39	41	40	37	22	40	33	35	24	45	38	45	36	-
R2233	Active recreation	NCA04	43	42	39	36	22	38	32	34	23	44	39	42	40	-
R2234	Residential	NCA01	24	33	42	39	24	42	27	30	16	35	31	38	21	-
R2235	Industrial	NCA04	46	55	48	45	31	48	42	44	33	60	53	59	43	-
R2236	Residential	NCA02	43	**68**	**80**	**77**	**63**	**78**	**52**	**54**	42	**53**	**69**	**76**	40	N, V
R2237	Residential	NCA02	39	**73**	**88**	**89**	**74**	**86**	**49**	**51**	38	**51**	**75**	**82**	36	N, V
R2238	Residential	NCA02	46	**66**	**76**	**72**	**56**	**76**	**59**	**61**	**50**	**57**	**66**	**73**	43	N, V
R2239	Residential	NCA02	39	**73**	**89**	**91**	**75**	**86**	**50**	**52**	36	**51**	**75**	**82**	36	N, V
R2240	Residential	NCA01	27	37	45	41	27	45	32	33	19	38	34	41	24	-
R2241	Residential	NCA02	**51**	**65**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**60**	**64**	**71**	48	N, V
R2242	Residential	NCA01	24	33	43	39	24	43	28	31	16	35	30	37	21	-
R2243	Residential	NCA02	**52**	**64**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**64**	**64**	**71**	**49**	N, V
R2245	Residential	NCA01	28	43	48	45	31	**49**	34	36	24	40	39	46	25	-
R2246	Residential	NCA02	41	**68**	**79**	**77**	**63**	**78**	**50**	**52**	39	**53**	**68**	**75**	38	N, V
R2247	Residential	NCA02	40	**74**	**89**	**90**	**75**	**86**	**49**	**51**	37	**51**	**75**	**82**	37	N, V
R2248	Residential	NCA01	23	33	40	37	22	40	28	30	15	35	30	36	20	-
R2249	Residential	NCA02	**50**	**66**	**75**	**72**	**58**	**75**	**61**	**63**	**52**	**60**	**65**	**72**	47	N, V
R2250	Place of worship	NCA01	29	44	50	46	32	50	35	37	24	41	40	47	26	-
R2251	Active recreation	NCA04	44	44	41	38	24	41	35	37	26	46	42	43	41	-
R2252	Residential	NCA01	22	31	42	38	24	42	26	28	14	35	28	35	19	-
R2253	Residential	NCA02	44	**64**	**74**	**72**	**55**	**72**	**51**	**52**	40	**55**	**63**	**70**	41	N, V
R2254	Residential	NCA02	38	**73**	**90**	**94**	**78**	**87**	47	**49**	35	**50**	**76**	**83**	35	N, V
R2255	Residential	NCA02	37	**73**	**88**	**89**	**74**	**85**	**49**	**51**	34	**49**	**74**	**81**	34	N, V
R2256	Residential	NCA02	**50**	**64**	**73**	**70**	**56**	**72**	**63**	**65**	**54**	**61**	**63**	**71**	47	N, V
R2257	Residential	NCA01	27	38	46	42	28	46	32	35	19	39	35	42	24	-
R2258	Residential	NCA02	42	**68**	**77**	**74**	**58**	**77**	**49**	**51**	39	**54**	**67**	**74**	39	N, V
R2259	Residential	NCA04	46	45	42	39	25	42	35	37	27	47	41	**49**	43	-
R2260	Residential	NCA01	26	34	42	38	24	42	31	33	17	36	31	38	23	-
R2261	Residential	NCA02	43	**65**	**74**	**70**	**54**	**73**	**59**	**61**	**49**	**55**	**63**	**70**	40	N, V
R2262	Residential	NCA02	38	**73**	**90**	**93**	**77**	**87**	47	**49**	35	**49**	**76**	**83**	35	N, V
R2263	Industrial	NCA04	44	54	49	47	31	49	44	46	33	61	51	58	41	-
R2264	Residential	NCA02	45	**69**	**78**	**75**	**62**	**78**	**52**	**54**	42	**58**	**68**	**75**	42	N, V
R2265	Residential	NCA01	27	42	48	44	30	48	33	35	23	39	38	45	24	-
R2266	Residential	NCA01	25	36	44	41	26	44	31	33	18	37	35	41	22	-
R2267	Residential	NCA02	44	**67**	**74**	**71**	**57**	**75**	**52**	**54**	44	**56**	**67**	**74**	41	N, V
R2268	Residential	NCA04	46	**49**	45	41	27	44	38	40	29	**50**	47	**53**	43	-
R2269	Active recreation	NCA01	28	46	50	49	34	52	34	36	21	41	44	51	25	-
R2270	Commercial	NCA01	31	49	53	49	34	53	36	39	25	42	43	50	28	-
R2271	Residential	NCA02	35	**73**	**89**	**90**	**75**	**86**	43	45	34	47	**75**	**82**	32	N, V
R2272	Residential	NCA02	44	**63**	**72**	**68**	**52**	**72**	**60**	**62**	47	**57**	**62**	**69**	41	N, V
R2273	Residential	NCA01	25	36	45	41	27	45	31	33	18	37	36	42	22	-
R2274	Residential	NCA02	43	**64**	**72**	**69**	**53**	**72**	**58**	**60**	48	**55**	**63**	**70**	40	N, V
R2276	Residential	NCA01	24	32	38	35	22	38	28	30	14	35	28	36	21	-
R2277	Residential	NCA02	38	**74**	**89**	**91**	**75**	**86**	47	**49**	37	**50**	**76**	**83**	35	N, V
R2278	Residential	NCA01	26	35	45	41	26	45	31	33	18	36	35	42	23	-
R2279	Residential	NCA02	44	**65**	**74**	**70**	**57**	**73**	**55**	**57**	45	**55**	**63**	**70**	41	N, V
R2280	Residential	NCA02	44	**63**	**71**	**68**	**55**	**70**	**56**	**58**	45	**56**	**61**	**68**	41	N, V
R2281	Residential	NCA02	39	**66**	**77**	**76**	**61**	**76**	40	43	31	**50**	**66**	**73**	36	N, V
R2282	Residential	NCA01	23	32	39	35	22	39	28	30	16	35	29	36	20	-
R2283	Residential	NCA02	45	**65**	**73**	**70**	**56**	**73**	**57**	**59**	47	**57**	**64**	**69**	42	N, V
R2284	Residential	NCA02	36	**69**	**81**	**79**	**66**	**79**	41	43	31	46	**69**	**76**	33	N, V
R2285	Residential	NCA02	45	**66**	**74**	**71**	**55**	**74**	**55**	**56**	46	**57**	**64**	**70**	42	N, V
R2286	Industrial	NCA04	50	55	50	47	32	50	45	47	35	62	53	59	47	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible **Moderately intrusive** **Highly intrusive** **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2287	Residential	NCA04	43	48	44	41	26	43	37	39	28	49	46	50	40	-
R2288	Residential	NCA02	36	70	82	81	65	80	44	46	35	47	70	77	33	N, V
R2289	Residential	NCA02	40	73	88	90	74	86	48	50	38	52	75	82	37	N, V
R2290	Industrial	NCA04	44	51	48	45	31	48	42	44	33	54	49	55	41	-
R2291	Residential	NCA02	45	65	74	70	55	74	55	57	46	58	65	72	42	N, V
R2292	Residential	NCA01	27	41	46	43	29	46	33	35	23	39	38	44	24	-
R2293	Commercial	NCA04	40	49	44	41	27	44	38	40	28	52	47	54	37	-
R2294	Residential	NCA02	36	74	88	91	74	86	46	48	34	48	75	82	33	N, V
R2295	Residential	NCA02	37	68	79	77	60	78	44	46	36	48	68	75	34	N, V
R2296	Residential	NCA02	40	63	71	68	53	71	49	51	38	52	63	70	37	N, V
R2297	Residential	NCA02	41	67	76	73	60	75	50	52	41	53	65	72	38	N, V
R2298	Residential	NCA01	27	42	47	43	30	48	33	35	23	40	38	45	24	-
R2299	Residential	NCA02	53	60	69	66	52	69	62	64	53	65	60	67	50	N, V
R2300	Residential	NCA02	41	65	75	73	59	74	50	52	39	53	64	71	38	N, V
R2301	Industrial	NCA04	48	51	48	46	31	48	42	44	33	59	50	57	45	-
R2302	Residential	NCA04	40	48	44	40	26	43	36	38	28	50	45	50	37	-
R2303	Residential	NCA01	25	39	45	41	27	45	30	32	20	36	36	43	22	-
R2304	Residential	NCA02	37	68	77	74	59	77	48	50	33	49	67	74	34	N, V
R2305	Residential	NCA02	37	68	79	77	63	78	44	46	36	48	68	75	34	N, V
R2306	Residential	NCA02	37	68	78	76	62	77	45	47	36	49	68	75	34	N, V
R2307	Residential	NCA02	38	70	80	78	65	79	47	49	37	50	70	77	35	N, V
R2308	Residential	NCA02	52	60	70	67	54	71	63	65	55	62	62	69	49	N, V
R2309	Commercial	NCA01	33	50	56	52	38	57	39	42	29	45	47	53	30	-
R2310	Residential	NCA01	25	39	46	42	29	47	31	33	21	37	37	44	22	-
R2311	Residential	NCA02	33	72	85	85	70	83	38	40	29	43	73	80	30	N, V
R2312	Residential	NCA02	53	59	64	64	47	63	60	61	49	64	58	65	50	N, V
R2313	Residential	NCA02	36	65	76	73	60	75	42	44	32	47	65	72	33	N, V
R2315	Active recreation	NCA01	29	43	46	44	29	46	34	36	20	40	38	45	26	-
R2316	Residential	NCA02	52	61	70	67	54	70	61	64	54	61	60	67	49	N, V
R2317	Residential	NCA02	53	62	70	68	53	70	61	64	53	61	60	67	50	N, V
R2318	Commercial	NCA02	33	71	69	67	51	84	41	43	30	46	61	68	30	-
R2319	Residential	NCA02	35	72	82	79	65	85	44	46	33	48	70	77	32	N, V
R2320	Residential	NCA01	25	39	46	42	28	46	30	32	21	37	35	42	22	-
R2321	Residential	NCA02	50	59	66	63	49	67	59	61	51	57	59	65	47	N, V
R2322	Residential	NCA02	48	61	68	65	49	68	57	59	49	54	60	67	45	N, V
R2323	Residential	NCA01	26	40	46	42	28	46	30	32	16	36	37	43	23	-
R2324	Active recreation	NCA04	40	54	46	44	29	46	40	42	31	56	54	61	37	-
R2325	Residential	NCA02	34	65	74	71	57	73	43	45	31	46	63	71	31	N, V
R2326	Industrial	NCA04	45	53	50	47	32	49	43	45	34	58	51	57	42	-
R2327	Residential	NCA02	38	66	75	72	59	75	47	49	36	50	65	72	35	N, V
R2328	Residential	NCA02	48	62	70	66	51	69	60	61	50	58	60	67	45	N, V
R2329	Commercial	NCA02	36	68	70	66	50	77	43	45	33	48	60	67	33	-
R2330	Residential	NCA02	36	66	75	72	58	74	45	47	33	48	65	72	33	N, V
R2331	Residential	NCA02	48	62	70	66	50	69	58	60	49	60	60	66	45	N, V
R2332	Residential	NCA02	38	67	76	72	60	75	46	48	37	49	66	73	35	N, V
R2333	Residential	NCA02	36	65	73	70	56	72	42	44	30	47	63	70	33	N, V
R2334	Commercial	NCA04	40	49	44	41	27	44	37	39	29	52	46	53	37	-
R2335	Residential	NCA02	48	62	70	66	49	69	57	59	47	59	60	66	45	N, V
R2336	Residential	NCA02	48	60	68	64	50	68	60	62	51	58	59	66	45	N, V
R2337	Residential	NCA02	39	69	78	76	61	77	45	47	36	49	68	75	36	N, V
R2338	Residential	NCA02	37	66	75	73	57	75	44	46	36	48	65	72	34	N, V
R2339	Residential	NCA02	39	66	76	72	59	75	48	50	38	51	66	73	36	N, V
R2340	Commercial	NCA02	33	60	60	59	43	69	39	40	29	43	51	58	30	-
R2341	Residential	NCA02	45	61	66	63	50	66	55	57	41	56	59	65	42	N, V
R2342	Residential	NCA02	33	66	77	75	60	76	37	40	27	38	65	72	30	N, V
R2343	Residential	NCA02	46	59	67	64	50	67	56	58	44	57	58	64	43	N, V
R2344	Active recreation	NCA01	30	46	52	49	35	54	37	39	28	42	43	50	27	-
R2345	Residential	NCA01	25	38	43	38	25	43	30	32	17	36	33	40	22	-
R2346	Residential	NCA01	26	36	41	37	24	41	31	33	18	38	33	40	23	-
R2347	Commercial	NCA02	34	67	67	64	50	75	41	43	32	47	58	65	31	-
R2348	Residential	NCA02	37	66	75	71	59	74	46	48	36	49	64	71	34	N, V
R2349	Residential	NCA02	44	60	67	63	50	67	52	54	40	55	58	64	41	N, V
R2350	Residential	NCA02	39	66	75	72	58	74	47	49	38	51	65	72	36	N, V
R2351	Residential	NCA04	46	47	43	40	26	43	36	38	28	49	44	48	43	-
R2352	Commercial	NCA02	32	57	62	58	41	65	39	41	29	44	49	56	29	-
R2353	Residential	NCA02	38	66	74	71	58	73	45	47	36	50	64	71	35	N, V
R2354	Residential	NCA02	42	62	69	65	49	69	51	53	39	52	60	67	39	N, V
R2355	Residential	NCA01	25	39	43	39	25	43	31	33	18	37	33	41	22	-
R2356	Residential	NCA02	44	60	67	63	49	67	53	55	42	55	58	65	41	N, V
R2357	Residential	NCA01	24	38	41	38	24	42	30	32	16	36	32	39	21	-
R2358	Residential	NCA02	44	59	65	62	47	65	56	59	47	56	58	65	41	N, V
R2359	Residential	NCA02	47	56	62	58	44	62	55	57	45	57	54	61	44	N, V
R2360	Residential	NCA02	48	57	64	61	47	64	57	59	47	58	56	62	45	N, V
R2361	Residential	NCA02	42	61	69	66	53	69	50	53	39	53	60	67	39	N, V
R2362	Residential	NCA02	42	59	65	62	46	65	51	53	39	54	57	64	39	N, V
R2363	Residential	NCA02	30	65	73	70	56	73	39	41	28	42	64	71	27	N, V
R2364	Residential	NCA02	39	60	66	62	49	66	49	52	39	49	56	61	36	N, V
R2365	Residential	NCA01	24	39	45	41	28	46	30	32	21	36	35	42	21	-
R2366	Industrial	NCA04	48	54	49	46	32	49	43	45	33	59	52	59	45	-
R2367	Commercial	NCA02	34	60	60	57	42	69	40	42	31	46	51	58	31	-
R2368	Place of worship	NCA02	32	55	55	54	35	62	38	40	29	44	46	53	29	-
R2369	Residential	NCA01	24	38	43	40	26	43	30	32	19	36	35	41	21	-
R2370	Commercial	NCA02	29	52	49	47	31	53	35	37	24	41	40	47	26	-
R2371	Residential	NCA02	46	60	66	62	47	66	54	56	45	57	58	65	43	N, V
R2372	Residential	NCA02	35	62	68	65	49	69	42	44	33	45	59	66	32	N, V
R2373	Residential	NCA01	25	38	44	41	27	44	30	32	20	36	35	43	22	-
R2374	Residential	NCA04	41	37	41	38	25	41	34	36	26	42	35	40	38	-
R2375	Residential	NCA02	36	62	70	68	52	70	44	46	35	48	60	67	33	N, V
R2376	Commercial	NCA04	37	49	44	41	27	44	37	39	29	52	45	49	34	-
R2377	Residential	NCA01	26	39	46	41	27	46	31	33	20	37	36	43	23	-
R2378	Residential	NCA02	37	67	77	74	60	76	43	46	34	48	66	73	34	N, V
R2379	Residential	NCA01	26	38	42	39	25	43	32	34	19	39	34	40	23	-
R2380	Residential	NCA02	44	59	64	61	46	64	54	56	44	55	57	64	41	N, V
R2381	Residential	NCA02	43	60	67	65	50	67	51	54	42	54	58	65	40	N, V
R2382	Residential	NCA02	38	67	75	72	57	74	45	47	36	50	65	72	35	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2383	Residential	NCA02	41	**61**	**70**	**65**	**53**	**70**	**49**	**51**	38	**53**	**60**	**66**	38	N, V
R2384	Residential	NCA02	39	**59**	**65**	**62**	48	**65**	48	**50**	40	**50**	**56**	**64**	36	N, V
R2385	Residential	NCA02	40	**61**	**69**	**65**	**52**	**69**	47	**49**	37	**52**	**60**	**67**	37	N, V
R2386	Residential	NCA02	28	47	46	42	29	**51**	31	33	22	37	37	44	25	-
R2387	Residential	NCA02	40	**60**	**67**	**65**	**49**	**67**	48	**49**	37	**52**	**59**	**66**	37	N, V
R2388	Residential	NCA02	30	**50**	**49**	45	32	**56**	32	34	24	40	37	44	27	-
R2389	Residential	NCA02	**51**	**57**	**63**	**60**	46	**63**	**56**	**58**	47	**62**	**55**	**61**	48	N, V
R2390	Residential	NCA02	38	**57**	**64**	**59**	45	**63**	45	47	34	**50**	**55**	**61**	35	N, V
R2391	Residential	NCA02	32	**51**	**53**	**51**	35	**55**	38	40	28	43	44	**51**	29	-
R2392	Residential	NCA02	**49**	**58**	**65**	**61**	47	**65**	**57**	**59**	47	**60**	**56**	**63**	46	N, V
R2393	Residential	NCA02	44	**60**	**68**	**64**	48	**68**	**53**	**55**	42	**56**	**58**	**65**	41	N, V
R2394	Residential	NCA02	36	**65**	**75**	**72**	**58**	**73**	44	46	34	48	**64**	**71**	33	N, V
R2395	Residential	NCA02	37	**62**	**69**	**65**	**50**	**69**	45	46	33	48	**60**	**67**	34	N, V
R2396	Active recreation	NCA04	40	49	45	43	28	45	39	41	30	52	47	52	37	-
R2397	Commercial	NCA02	28	42	46	43	29	49	35	37	24	40	37	44	25	-
R2398	Residential	NCA02	**50**	**57**	**64**	**60**	45	**63**	**55**	**57**	46	**61**	**55**	**61**	47	N, V
R2399	Residential	NCA02	41	**57**	**63**	**59**	44	**63**	48	**51**	37	**53**	**54**	**59**	38	N, V
R2400	Industrial	NCA04	47	51	49	46	32	49	43	45	34	58	49	56	44	-
R2401	Residential	NCA02	31	**50**	**49**	48	31	**52**	36	38	27	42	40	47	28	-
R2402	Residential	NCA02	37	**64**	**71**	**69**	**54**	**72**	44	46	35	**49**	**61**	**68**	34	N, V
R2403	Residential	NCA01	27	41	47	43	29	48	33	35	23	39	37	44	24	-
R2404	Residential	NCA02	39	**62**	**70**	**66**	**49**	**69**	46	48	36	**51**	**60**	**66**	36	N, V
R2405	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	47	48	36	**51**	**58**	**65**	36	N, V
R2406	Residential	NCA02	43	**57**	**64**	**61**	47	**64**	48	**50**	39	**55**	**55**	**62**	40	N, V
R2407	Residential	NCA02	46	**57**	**63**	**60**	46	**63**	**54**	**56**	44	**56**	**55**	**62**	43	N, V
R2408	Residential	NCA02	31	**51**	**55**	**51**	37	**56**	37	40	28	43	46	**53**	28	-
R2409	Residential	NCA02	38	**61**	**67**	**64**	**49**	**67**	44	46	34	**49**	**59**	**66**	35	N, V
R2410	Residential	NCA01	26	40	44	41	27	44	32	34	22	38	35	42	23	-
R2411	Residential	NCA02	40	**63**	**70**	**67**	**52**	**70**	46	48	37	**51**	**61**	**68**	37	N, V
R2412	Residential	NCA02	42	**58**	**66**	**61**	46	**66**	**51**	**52**	38	**53**	**56**	**62**	39	N, V
R2413	Residential	NCA02	41	**57**	**63**	**59**	45	**63**	**49**	**51**	38	**51**	**54**	**61**	38	N, V
R2414	Residential	NCA02	36	**62**	**69**	**67**	**52**	**69**	44	46	33	48	**59**	**66**	33	N, V
R2415	Industrial	NCA04	49	53	49	47	32	49	44	46	35	59	49	57	46	-
R2416	Residential	NCA02	39	**63**	**70**	**67**	**52**	**69**	46	48	36	**50**	**60**	**67**	36	N, V
R2417	Residential	NCA02	37	**64**	**72**	**69**	**54**	**71**	43	45	33	48	**62**	**69**	34	N, V
R2418	Residential	NCA02	42	**59**	**66**	**63**	**50**	**66**	**51**	**53**	41	**54**	**57**	**64**	39	N, V
R2419	Residential	NCA02	27	44	44	41	26	45	30	32	21	38	35	42	24	-
R2420	Residential	NCA01	27	38	44	42	26	45	33	35	21	39	35	42	24	-
R2421	Residential	NCA02	37	**62**	**68**	**64**	**50**	**69**	44	47	34	48	**59**	**66**	34	N, V
R2422	Residential	NCA02	34	**63**	**70**	**66**	**50**	**71**	40	42	29	45	**58**	**65**	31	N, V
R2423	Active recreation	NCA04	54	55	54	54	37	54	51	54	42	62	53	60	51	-
R2424	Residential	NCA01	28	41	46	44	30	48	34	36	23	40	38	45	25	-
R2425	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	47	**49**	37	**50**	**59**	**65**	36	N, V
R2426	Residential	NCA02	41	**55**	**61**	**57**	44	**61**	47	48	35	**51**	**52**	**59**	38	N, V
R2427	Residential	NCA02	38	**56**	**61**	**58**	44	**61**	46	48	37	48	**53**	**60**	35	N, V
R2428	Residential	NCA02	41	**59**	**67**	**63**	**49**	**66**	46	48	36	**53**	**58**	**65**	38	N, V
R2429	Residential	NCA02	45	**56**	**62**	**59**	44	**64**	**54**	**56**	44	**57**	**54**	**60**	42	N, V
R2430	Residential	NCA02	37	**61**	**69**	**66**	**50**	**69**	45	47	35	**49**	**59**	**66**	34	N, V
R2431	Commercial	NCA02	33	54	53	52	35	60	40	42	31	45	45	52	30	-
R2432	Residential	NCA02	36	**61**	**68**	**65**	**52**	**68**	44	46	33	48	**59**	**66**	33	N, V
R2433	Residential	NCA04	42	41	42	39	25	42	35	37	26	45	38	43	39	-
R2434	Residential	NCA04	38	45	43	40	25	42	36	38	27	**51**	43	**48**	35	-
R2435	Residential	NCA04	42	45	43	40	26	43	36	38	28	**49**	43	47	39	-
R2436	Residential	NCA02	33	**49**	**55**	**51**	38	**61**	39	41	28	44	46	**53**	30	N, V
R2437	Residential	NCA02	36	**63**	**71**	**68**	**53**	**70**	43	45	32	47	**61**	**68**	33	N, V
R2438	Residential	NCA02	27	43	47	45	28	**49**	31	32	22	38	40	47	24	-
R2439	Residential	NCA02	30	44	47	44	30	**49**	34	36	24	39	39	46	27	-
R2440	Residential	NCA02	37	**62**	**67**	**66**	**52**	**71**	44	46	34	48	**57**	**64**	34	N, V
R2441	Residential	NCA01	24	32	38	37	21	39	29	31	16	36	30	37	21	-
R2442	Residential	NCA02	36	**57**	**63**	**59**	45	**63**	41	43	31	48	**54**	**61**	33	N, V
R2443	Residential	NCA02	37	**56**	**63**	**59**	45	**62**	44	46	32	**49**	**53**	**60**	34	N, V
R2444	Residential	NCA02	42	**59**	**66**	**62**	**49**	**66**	**51**	**53**	40	**53**	**57**	**64**	39	N, V
R2445	Residential	NCA01	28	42	**49**	45	31	**49**	34	36	25	40	39	46	25	-
R2446	Residential	NCA01	28	41	46	44	30	46	34	36	20	40	38	45	25	-
R2447	Residential	NCA02	38	**56**	**63**	**59**	46	**63**	**49**	**51**	37	47	**53**	**60**	35	N, V
R2448	Residential	NCA02	40	**57**	**65**	**61**	48	**64**	**49**	**51**	38	**52**	**55**	**62**	37	N, V
R2449	Residential	NCA02	40	**55**	**61**	**57**	43	**61**	**50**	**52**	39	**50**	**52**	**59**	37	N, V
R2450	Residential	NCA02	39	**57**	**62**	**59**	43	**62**	48	**50**	35	**50**	**55**	**61**	36	N, V
R2451	Residential	NCA02	35	**62**	**60**	**57**	42	**70**	42	44	33	46	**51**	**58**	32	N, V
R2452	Residential	NCA02	41	**54**	**61**	**57**	41	**61**	48	**50**	38	**53**	**52**	**59**	38	N, V
R2453	Residential	NCA02	38	**57**	**63**	**60**	45	**63**	44	46	34	**49**	**55**	**62**	35	N, V
R2454	Residential	NCA02	**49**	**55**	**61**	**58**	42	**61**	**50**	**53**	41	**58**	**52**	**60**	46	N, V
R2455	Residential	NCA02	31	**59**	**66**	**62**	45	**66**	37	38	27	42	**56**	**63**	28	N, V
R2456	Residential	NCA04	37	37	40	38	23	40	34	35	24	41	34	40	34	-
R2457	Residential	NCA02	44	**58**	**63**	**61**	45	**64**	**53**	**54**	43	**54**	**55**	**62**	41	N, V
R2458	Residential	NCA02	32	**57**	**64**	**61**	44	**63**	35	37	25	43	**54**	**61**	29	N, V
R2459	Active recreation	NCA04	40	49	45	42	28	45	39	41	30	54	46	51	37	-
R2460	Residential	NCA02	36	**58**	**64**	**60**	47	**64**	41	43	31	48	**55**	**63**	33	N, V
R2461	Residential	NCA02	37	**63**	**71**	**68**	**54**	**71**	44	46	34	**49**	**61**	**68**	34	N, V
R2462	Residential	NCA01	27	41	47	43	29	**49**	33	35	24	39	38	45	24	-
R2463	Residential	NCA02	37	**61**	**70**	**66**	**50**	**69**	46	48	35	**49**	**59**	**66**	34	N, V
R2464	Residential	NCA02	41	**56**	**65**	**61**	48	**63**	**51**	**53**	40	**53**	**54**	**61**	38	N, V
R2465	Residential	NCA02	44	**58**	**65**	**62**	48	**65**	**52**	**55**	43	**55**	**56**	**61**	41	N, V
R2466	Commercial	NCA02	34	57	54	56	37	65	40	42	29	46	51	58	31	-
R2467	Residential	NCA04	40	41	42	39	25	42	35	37	26	46	38	44	37	-
R2468	Residential	NCA02	44	**55**	**60**	**58**	41	**60**	**52**	**54**	42	**54**	**53**	**58**	41	N, V
R2469	Residential	NCA01	28	40	47	44	29	46	33	35	22	39	36	43	25	-
R2470	Residential	NCA02	44	**56**	**62**	**58**	45	**62**	**49**	**51**	38	**55**	**53**	**60**	41	N, V
R2471	Residential	NCA02	36	**62**	**68**	**65**	**50**	**70**	44	47	34	48	**56**	**63**	33	N, V
R2472	Residential	NCA02	30	46	**50**	46	31	**53**	36	38	25	41	41	48	27	-
R2473	Residential	NCA02	**49**	**55**	**55**	**55**	38	**56**	**53**	**55**	45	**60**	**52**	**59**	46	N, V
R2474	Residential	NCA01	28	42	**49**	45	30	47	34	36	24	40	37	44	25	-
R2475	Residential	NCA02	36	**58**	**64**	**61**	45	**64**	38	39	28	46	**55**	**62**	33	N, V
R2476	Residential	NCA02	41	**56**	**64**	**61**	47	**63**	**49**	**51**	37	**52**	**54**	**61**	38	N, V
R2477	Residential	NCA02	37	**60**	**66**	**62**	48	**65**	44	46	34	**49**	**57**	**64**	34	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive Bold Highly noise affected Non-residential: Exceeds noise management level																
R2478	Residential	NCA02	35	**59**	**54**	**53**	37	**63**	41	43	31	46	48	**55**	32	N, V
R2479	Residential	NCA02	38	**55**	**62**	**58**	43	**60**	48	**50**	34	48	**53**	**59**	35	N, V
R2480	Residential	NCA02	27	37	41	38	24	43	27	29	19	34	32	39	24	-
R2481	Residential	NCA01	27	41	46	43	28	46	33	35	22	39	36	43	24	-
R2482	Residential	NCA02	36	**61**	**69**	**66**	**50**	**69**	44	46	34	48	**59**	**66**	33	N, V
R2483	Residential	NCA01	26	40	47	43	28	46	32	34	22	38	35	43	23	-
R2484	Residential	NCA02	38	**59**	**66**	**63**	47	**66**	45	46	34	**50**	**57**	**63**	35	N, V
R2485	Residential	NCA02	37	**61**	**69**	**66**	**51**	**68**	44	46	34	48	**59**	**66**	34	N, V
R2486	Residential	NCA02	**49**	**54**	**59**	**56**	40	**59**	**49**	**53**	43	**61**	**52**	**59**	46	N, V
R2487	Residential	NCA01	28	44	48	46	31	**50**	34	36	26	40	40	47	25	-
R2488	Residential	NCA02	36	**57**	**57**	**53**	38	**62**	42	43	33	47	48	**55**	33	N, V
R2489	Residential	NCA02	27	38	40	37	23	44	25	27	18	33	31	38	24	-
R2490	Residential	NCA02	37	**56**	**63**	**59**	45	**63**	46	48	34	**49**	**54**	**61**	34	N, V
R2491	Residential	NCA02	36	**60**	**68**	**64**	**49**	**67**	44	46	35	48	**58**	**63**	33	N, V
R2492	Residential	NCA02	34	**59**	**53**	**49**	35	**66**	41	43	31	46	44	**51**	31	N, V
R2493	Residential	NCA01	19	28	33	32	17	34	22	24	12	30	24	31	16	-
R2494	Residential	NCA02	41	**56**	**62**	**58**	42	**62**	**50**	**52**	41	**53**	**53**	**60**	38	N, V
R2495	Residential	NCA02	42	**56**	**63**	**60**	46	**63**	**50**	**52**	39	**54**	**54**	**61**	39	N, V
R2496	Residential	NCA02	37	**55**	**62**	**58**	41	**62**	**50**	**51**	39	48	**53**	**60**	34	N, V
R2497	Residential	NCA02	31	46	**50**	47	32	**51**	37	40	28	43	41	48	28	-
R2498	Residential	NCA02	30	43	46	43	28	48	35	37	26	42	37	45	27	-
R2499	Residential	NCA02	32	**49**	**51**	**50**	33	**55**	39	41	29	44	43	**50**	29	-
R2500	Residential	NCA02	40	**56**	**63**	**60**	46	**63**	**49**	**50**	37	**52**	**54**	**61**	37	N, V
R2501	Residential	NCA02	29	38	43	40	26	45	35	37	26	41	35	41	26	-
R2502	Residential	NCA01	24	37	42	39	23	44	28	31	18	35	33	39	21	-
R2503	Residential	NCA02	33	**54**	**57**	**53**	39	**60**	40	42	29	45	48	**55**	30	N, V
R2504	Residential	NCA04	35	41	42	39	25	42	35	37	27	47	38	44	32	-
R2505	Residential	NCA02	40	**54**	**59**	**56**	40	**59**	**49**	**51**	37	**50**	**51**	**57**	37	N, V
R2506	Residential	NCA02	37	**59**	**66**	**63**	48	**66**	45	47	35	47	**56**	**63**	34	N, V
R2507	Residential	NCA02	36	**59**	**66**	**63**	46	**66**	42	44	32	48	**57**	**64**	33	N, V
R2508	Residential	NCA02	41	**56**	**63**	**59**	46	**63**	**50**	**51**	39	**52**	**53**	**60**	38	N, V
R2509	Residential	NCA02	46	**53**	**59**	**56**	39	**59**	**50**	**52**	41	**58**	**50**	**56**	43	N, V
R2510	Active recreation	NCA04	38	47	43	41	26	43	37	39	28	52	45	50	35	-
R2511	Residential	NCA02	28	46	**49**	46	32	**51**	35	38	27	41	41	48	25	-
R2512	Residential	NCA02	**49**	**54**	**58**	**55**	39	**58**	**52**	**55**	44	**60**	**52**	**59**	46	N, V
R2513	Residential	NCA02	36	**60**	**67**	**63**	48	**67**	42	45	32	48	**56**	**63**	33	N, V
R2514	Residential	NCA02	32	**52**	**56**	**52**	37	**57**	38	41	29	44	47	**54**	29	-
R2515	Residential	NCA02	27	37	42	39	25	43	32	34	24	39	34	41	24	-
R2516	Residential	NCA02	36	**55**	**62**	**58**	45	**61**	43	45	33	48	**52**	**59**	33	N, V
R2517	Residential	NCA01	27	40	44	43	27	48	33	35	25	39	36	42	24	-
R2518	Residential	NCA01	24	36	41	39	23	44	28	30	19	34	32	39	21	-
R2519	Residential	NCA02	39	**57**	**64**	**61**	47	**64**	44	46	32	**51**	**55**	**61**	36	N, V
R2520	Residential	NCA02	27	34	41	37	23	40	32	34	24	39	32	39	24	-
R2521	Residential	NCA02	33	**56**	**62**	**59**	42	**62**	39	41	29	45	**53**	**61**	30	N, V
R2522	Residential	NCA02	37	**60**	**66**	**63**	47	**66**	44	46	34	47	**57**	**64**	34	N, V
R2523	Residential	NCA02	38	**55**	**61**	**58**	44	**61**	45	48	34	**50**	**52**	**59**	35	N, V
R2524	Residential	NCA02	38	**56**	**62**	**59**	44	**62**	45	47	34	**50**	**53**	**60**	35	N, V
R2525	Residential	NCA02	35	**52**	**57**	**52**	37	**56**	42	44	31	46	47	**54**	32	-
R2526	Residential	NCA02	44	**53**	**60**	**56**	40	**60**	**51**	**53**	42	**55**	**51**	**57**	41	N, V
R2527	Residential	NCA01	27	41	47	43	29	47	33	35	25	39	38	45	24	-
R2528	Residential	NCA02	43	**52**	**59**	**53**	40	**59**	**50**	**52**	39	**54**	**49**	**56**	40	-
R2529	Residential	NCA02	40	**58**	**63**	**59**	45	**63**	48	**50**	38	**52**	**55**	**61**	37	N, V
R2530	Residential	NCA02	36	**56**	**61**	**57**	42	**61**	44	46	34	48	**52**	**59**	33	N, V
R2531	Residential	NCA02	31	**49**	**54**	**51**	37	**55**	37	39	28	42	46	**53**	28	-
R2532	Residential	NCA02	28	39	44	41	26	44	32	34	23	39	36	43	25	-
R2533	Residential	NCA02	44	**52**	**55**	**51**	37	**55**	47	**49**	38	**54**	**49**	**53**	41	-
R2534	Residential	NCA02	32	**52**	**51**	**49**	32	**57**	37	39	27	44	42	**50**	29	-
R2535	Residential	NCA02	38	**58**	**63**	**61**	44	**64**	45	48	36	**50**	**56**	**63**	35	N, V
R2536	Residential	NCA02	45	**54**	**61**	**57**	43	**61**	**51**	**53**	42	**55**	**51**	**58**	42	N, V
R2537	Residential	NCA02	33	**54**	**57**	**54**	37	**61**	39	41	30	45	**49**	**55**	30	N, V
R2538	Residential	NCA02	38	**58**	**65**	**61**	45	**65**	43	45	34	**49**	**56**	**61**	35	N, V
R2539	Residential	NCA01	26	38	40	41	24	46	31	33	22	38	32	39	23	-
R2540	Residential	NCA02	48	**53**	**59**	**55**	40	**59**	**51**	**53**	42	**59**	**50**	**57**	45	N, V
R2541	Residential	NCA02	44	**54**	**59**	**56**	41	**59**	**50**	**53**	39	**54**	**50**	**57**	41	N, V
R2542	Residential	NCA02	39	**58**	**64**	**60**	46	**64**	46	48	36	**51**	**55**	**60**	36	N, V
R2543	Residential	NCA02	**49**	**54**	**57**	**55**	39	**57**	**52**	**54**	44	**60**	**52**	**58**	46	N, V
R2544	Residential	NCA02	42	**54**	**59**	**55**	41	**59**	**51**	**53**	41	**53**	**50**	**57**	39	N, V
R2545	Residential	NCA02	36	**57**	**61**	**58**	43	**61**	44	46	34	48	**53**	**60**	33	N, V
R2546	Residential	NCA02	29	38	43	40	27	43	35	37	27	41	35	42	26	-
R2547	Active recreation	NCA01	29	43	49	45	31	51	35	37	27	41	39	46	26	-
R2548	Residential	NCA02	34	**57**	**63**	**59**	45	**62**	38	40	29	46	**53**	**60**	31	N, V
R2549	Active recreation	NCA04	39	47	44	41	26	44	37	39	29	52	44	49	36	-
R2550	Residential	NCA02	37	**56**	**61**	**57**	43	**60**	45	47	35	**49**	**53**	**60**	34	N, V
R2551	Residential	NCA02	34	**49**	48	48	31	**55**	39	42	30	46	42	**49**	31	-
R2552	Residential	NCA02	36	**56**	**62**	**58**	44	**61**	43	45	33	48	**52**	**59**	33	N, V
R2553	Residential	NCA02	41	**53**	**59**	**56**	40	**60**	46	48	35	**52**	**51**	**58**	38	N, V
R2554	Residential	NCA02	29	40	43	40	26	45	33	35	23	40	34	41	26	-
R2555	Residential	NCA02	36	**56**	**62**	**59**	43	**62**	41	43	32	48	**53**	**60**	33	N, V
R2556	Industrial	NCA04	46	50	53	51	34	53	47	49	38	57	48	55	43	-
R2557	Residential	NCA02	32	**55**	**61**	**58**	43	**61**	43	45	33	44	**52**	**59**	29	N, V
R2558	Residential	NCA02	30	44	**50**	47	31	**51**	36	38	28	42	42	48	27	-
R2559	Residential	NCA01	27	42	46	42	29	47	33	35	23	39	37	44	24	-
R2560	Residential	NCA02	32	**51**	**51**	48	31	**57**	38	40	28	44	42	**49**	29	-
R2561	Residential	NCA02	35	**54**	**61**	**55**	42	**60**	43	45	32	47	**50**	**56**	32	N, V
R2562	Residential	NCA02	44	**52**	**58**	**55**	38	**58**	**50**	**52**	40	**55**	**49**	**56**	41	-
R2563	Residential	NCA02	47	**53**	**58**	**54**	40	**58**	**51**	**53**	41	**58**	**49**	**56**	44	-
R2564	Residential	NCA02	40	**53**	**59**	**55**	41	**59**	47	**49**	36	**52**	**50**	**57**	37	N, V
R2565	Residential	NCA02	39	**53**	**57**	**55**	41	**59**	47	**49**	35	**50**	**50**	**56**	36	-
R2566	Residential	NCA02	36	**54**	**60**	**57**	43	**60**	42	44	33	48	**51**	**58**	33	N, V
R2567	Residential	NCA02	33	46	**51**	47	34	**51**	38	40	27	44	42	**49**	30	-
R2568	Residential	NCA02	39	**54**	**61**	**57**	43	**60**	45	47	35	**50**	**51**	**58**	36	N, V
R2569	Residential	NCA02	33	**52**	**49**	48	30	**57**	40	42	29	45	41	48	30	-
R2570	Residential	NCA02	34	44	**49**	45	30	**49**	39	41	29	46	41	48	31	-
R2571	Residential	NCA02	38	**56**	**62**	**59**	44	**62**	44	46	35	**50**	**53**	**60**	35	N, V
R2572	Residential	NCA02	36	**57**	**64**	**61**	44	**64**	44	46	35	48	**54**	**61**	33	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2573	Residential	NCA02	36	**50**	**55**	**52**	36	**55**	45	47	37	47	47	**53**	33	-
R2574	Residential	NCA01	24	30	33	33	17	37	24	26	15	31	26	33	21	-
R2575	Residential	NCA02	38	**57**	**63**	**59**	46	**62**	44	46	35	**49**	**53**	**61**	35	N, V
R2576	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	50	42	48	36	-
R2577	Residential	NCA02	27	38	44	40	26	44	31	33	20	39	35	42	24	-
R2578	Residential	NCA02	37	**57**	**64**	**60**	45	**65**	43	46	34	**49**	**53**	**60**	34	N, V
R2579	Residential	NCA02	35	**50**	**52**	**50**	34	**53**	41	43	30	47	46	**52**	32	-
R2580	Residential	NCA02	40	**56**	**62**	**59**	45	**62**	45	47	36	**51**	**53**	**60**	37	N, V
R2581	Residential	NCA02	30	**50**	46	48	29	**56**	33	35	24	42	37	44	27	-
R2582	Residential	NCA02	32	**49**	47	45	29	**54**	38	40	28	44	40	46	29	-
R2583	Residential	NCA02	38	**53**	**59**	**56**	42	**59**	46	47	35	**49**	**51**	**57**	35	N, V
R2584	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	51	43	50	36	-
R2585	Residential	NCA01	27	40	42	42	24	45	31	33	23	39	34	41	24	-
R2586	Residential	NCA02	**49**	**54**	**56**	**55**	37	**55**	**52**	**55**	44	**60**	**51**	**58**	46	N, V
R2587	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	47	48	36	**53**	48	**55**	39	-
R2588	Active recreation	NCA02	29	39	43	40	26	44	33	36	24	40	35	42	26	-
R2589	Residential	NCA02	43	**52**	**58**	**55**	38	**58**	**49**	**51**	39	**55**	**49**	**55**	40	-
R2590	Residential	NCA02	26	45	**52**	48	33	**52**	30	32	22	38	43	**50**	23	-
R2591	Residential	NCA01	27	42	47	43	28	48	32	35	24	39	38	44	24	-
R2592	Residential	NCA02	39	**54**	**61**	**57**	43	**61**	48	**50**	38	**51**	**52**	**58**	36	N, V
R2593	Residential	NCA02	28	41	42	40	25	45	33	35	22	37	35	42	25	-
R2594	Residential	NCA02	34	48	**52**	**49**	34	**53**	39	41	29	45	45	**52**	31	-
R2595	Residential	NCA02	34	**56**	**62**	**59**	44	**62**	39	41	29	46	**53**	**60**	31	N, V
R2596	Industrial	NCA04	39	43	42	39	25	42	35	37	27	48	40	44	36	-
R2597	Residential	NCA02	28	38	43	40	26	44	32	34	20	40	35	42	25	-
R2598	Residential	NCA02	27	40	43	41	25	45	32	34	21	39	35	42	24	-
R2599	Residential	NCA02	46	**51**	**55**	**52**	37	**55**	**50**	**52**	41	**57**	**49**	**56**	43	-
R2600	Residential	NCA02	28	38	42	38	24	43	32	34	20	39	33	40	25	-
R2601	Residential	NCA02	32	44	48	45	30	**49**	39	40	27	44	40	47	29	-
R2602	Residential	NCA02	30	43	47	44	29	48	36	38	25	41	39	46	27	-
R2603	Residential	NCA02	40	**55**	**61**	**57**	41	**61**	48	**50**	39	**51**	**52**	**58**	37	N, V
R2604	Residential	NCA02	30	45	47	46	30	**50**	35	37	25	42	40	47	27	-
R2605	Industrial	NCA04	39	44	42	39	25	42	35	37	26	50	42	48	36	-
R2606	Residential	NCA02	30	43	46	43	28	47	34	36	23	42	37	44	27	-
R2607	Residential	NCA02	40	**56**	**61**	**57**	44	**60**	48	**50**	39	**52**	**52**	**59**	37	N, V
R2608	Residential	NCA02	29	42	46	43	27	46	35	37	27	41	38	44	26	-
R2609	Residential	NCA02	40	**56**	**61**	**57**	43	**61**	47	**50**	38	**52**	**52**	**58**	37	N, V
R2610	Residential	NCA01	27	40	45	42	28	47	32	34	24	39	37	44	24	-
R2611	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	45	47	34	**50**	**49**	**56**	35	-
R2612	Residential	NCA02	30	45	**50**	47	31	**50**	35	37	25	42	39	47	27	-
R2613	Residential	NCA02	32	**49**	47	48	29	**56**	39	41	28	43	38	45	29	-
R2614	Residential	NCA02	42	**52**	**57**	**54**	37	**57**	**50**	**51**	40	**54**	**49**	**56**	39	-
R2615	Residential	NCA02	39	**54**	**61**	**57**	44	**61**	46	**49**	37	**50**	**51**	**58**	36	N, V
R2616	Residential	NCA02	23	48	**50**	46	33	**57**	29	31	19	35	40	47	20	-
R2617	Residential	NCA02	30	39	44	40	26	44	35	37	23	42	35	42	27	-
R2618	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	48	**49**	38	**55**	**49**	**56**	39	-
R2619	Residential	NCA02	27	**53**	**49**	46	32	**57**	32	34	21	39	40	47	24	-
R2620	Residential	NCA02	32	**53**	**53**	**50**	36	**59**	39	41	29	44	44	**51**	29	N, V
R2621	Residential	NCA02	29	42	44	40	27	46	32	34	21	39	35	42	26	-
R2622	Residential	NCA02	37	**55**	**62**	**58**	44	**62**	47	**49**	35	**49**	**53**	**60**	34	N, V
R2623	Industrial	NCA04	39	44	42	39	25	42	35	37	26	49	41	46	36	-
R2624	Residential	NCA02	38	**53**	**59**	**55**	41	**59**	47	**49**	36	**50**	**50**	**57**	35	N, V
R2625	Residential	NCA02	45	**53**	**58**	**54**	40	**58**	**50**	**52**	41	**56**	**49**	**56**	42	-
R2626	Residential	NCA02	27	37	36	32	19	38	24	26	14	34	27	34	24	-
R2627	Residential	NCA02	29	39	41	38	24	44	31	33	20	41	32	39	26	-
R2628	Residential	NCA02	40	**54**	**62**	**57**	43	**62**	46	48	36	**51**	**52**	**59**	37	N, V
R2629	Residential	NCA02	39	**54**	**60**	**56**	42	**60**	46	**49**	36	**49**	**51**	**58**	36	N, V
R2630	Residential	NCA02	27	38	42	39	25	44	31	33	20	38	34	41	24	-
R2631	Residential	NCA02	39	**54**	**60**	**57**	43	**60**	45	47	34	**50**	**51**	**59**	36	N, V
R2632	Residential	NCA02	32	48	47	47	30	**55**	37	39	25	44	38	45	29	-
R2633	Residential	NCA02	38	**52**	**58**	**55**	38	**58**	45	46	34	**49**	**50**	**57**	35	-
R2634	Residential	NCA01	27	41	46	42	29	46	33	35	24	39	36	43	24	-
R2635	Residential	NCA02	39	**52**	**57**	**53**	38	**57**	45	47	34	**50**	**49**	**56**	36	-
R2636	Residential	NCA02	28	38	43	40	26	44	32	34	21	40	34	41	25	-
R2637	Residential	NCA02	36	**52**	**59**	**56**	42	**59**	46	48	33	47	**50**	**57**	33	N, V
R2638	Active recreation	NCA04	38	46	44	41	27	44	37	39	29	51	43	48	35	-
R2639	Commercial	NCA02	33	55	49	47	32	62	40	42	30	45	43	50	30	-
R2640	Residential	NCA02	39	**52**	**60**	**56**	42	**60**	44	46	33	**49**	**50**	**57**	36	N, V
R2641	Industrial	NCA04	34	44	41	39	24	41	35	36	26	46	41	46	31	-
R2642	Residential	NCA02	36	**52**	**58**	**54**	40	**58**	43	46	32	48	48	**55**	33	-
R2643	Residential	NCA02	40	**55**	**60**	**56**	42	**60**	48	**50**	38	**51**	**52**	**57**	37	N, V
R2644	Residential	NCA02	42	**51**	**56**	**52**	37	**56**	47	**49**	38	**53**	48	**55**	39	-
R2645	Residential	NCA01	16	27	31	29	14	32	20	22	12	27	22	29	13	-
R2646	Residential	NCA02	37	**52**	**58**	**54**	39	**58**	43	46	32	48	**49**	**56**	34	-
R2647	Residential	NCA02	29	43	43	41	26	47	31	33	19	39	35	41	26	-
R2648	Residential	NCA02	26	38	40	37	23	44	27	29	14	36	31	38	23	-
R2649	Residential	NCA02	34	**57**	**63**	**57**	43	**63**	44	46	33	45	**54**	**58**	31	N, V
R2650	Residential	NCA02	28	45	46	42	29	**49**	33	35	22	40	37	44	25	-
R2651	Industrial	NCA02	33	56	47	44	28	62	37	39	27	44	39	46	30	-
R2652	Residential	NCA02	37	**53**	**59**	**55**	39	**59**	44	46	35	**49**	**50**	**56**	34	N, V
R2653	Active recreation	NCA04	38	45	43	40	26	43	36	38	28	49	42	47	35	-
R2654	Residential	NCA02	28	**49**	45	48	28	**55**	35	37	24	40	36	43	25	-
R2655	Residential	NCA01	28	43	47	44	30	48	33	35	25	39	38	45	25	-
R2656	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	45	33	48	**50**	**56**	33	N, V
R2657	Residential	NCA02	31	**52**	**51**	**49**	32	**57**	35	37	25	42	42	**49**	28	-
R2658	Residential	NCA02	31	42	45	42	28	48	37	39	26	43	37	44	28	-
R2659	Active recreation	NCA04	36	47	41	39	25	41	35	37	25	50	43	47	33	-
R2660	Residential	NCA02	33	44	46	42	29	**49**	36	39	25	44	37	44	30	-
R2661	Residential	NCA02	30	48	48	48	30	**56**	35	39	25	42	39	46	27	-
R2662	Residential	NCA02	38	**52**	**59**	**55**	42	**59**	43	44	33	**49**	**50**	**57**	35	N, V
R2663	Residential	NCA02	42	**51**	**58**	**54**	37	**58**	46	48	38	**53**	**49**	**55**	39	-
R2664	Residential	NCA02	30	41	44	41	26	45	35	37	23	42	35	42	27	-
R2665	Active recreation	NCA04	41	46	48	45	30	47	41	43	32	53	44	51	38	-
R2666	Active recreation	NCA02	29	45	49	46	30	50	35	37	26	41	41	48	26	-
R2667	Residential	NCA02	38	**56**	**63**	**59**	43	**62**	45	47	35	**49**	**53**	**60**	35	N, V

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible **Moderately intrusive** **Highly intrusive** **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2668	Residential	NCA02	25	38	40	37	23	44	30	32	19	37	31	38	22	-
R2669	Industrial	NCA04	39	42	42	39	25	42	35	36	26	44	37	44	36	-
R2670	Residential	NCA02	47	**50**	**54**	**52**	36	**54**	48	**50**	39	**57**	48	**55**	44	-
R2671	Residential	NCA02	41	**52**	**58**	**54**	40	**58**	47	**49**	36	**52**	**49**	**56**	38	-
R2672	Residential	NCA02	40	**53**	**59**	**56**	42	**59**	48	**49**	37	**52**	**50**	**57**	37	N, V
R2673	Active recreation	NCA04	38	45	41	38	24	41	35	37	26	50	42	47	35	-
R2674	Residential	NCA02	30	43	45	44	27	48	36	38	24	42	37	44	27	-
R2675	Residential	NCA02	35	**50**	**55**	**51**	36	**57**	42	44	32	47	46	**53**	32	-
R2676	Active recreation	NCA04	33	36	40	39	23	40	34	35	25	43	34	41	30	-
R2677	Residential	NCA02	29	40	42	40	25	45	30	32	20	40	34	41	26	-
R2678	Residential	NCA02	43	**51**	**57**	**53**	38	**57**	48	**50**	38	**54**	**49**	**55**	40	-
R2679	Residential	NCA02	31	44	44	42	27	47	35	37	22	42	35	42	28	-
R2680	Residential	NCA02	28	37	39	37	22	42	29	31	18	39	31	38	25	-
R2681	Residential	NCA02	37	**54**	**60**	**56**	42	**60**	43	46	33	48	**51**	**58**	34	N, V
R2682	Residential	NCA02	37	**56**	**62**	**59**	43	**62**	43	44	33	48	**53**	**59**	34	N, V
R2683	Residential	NCA02	28	42	45	43	27	48	34	36	22	40	37	44	25	-
R2684	Industrial	NCA04	37	43	42	39	25	42	35	37	27	50	40	43	34	-
R2685	Residential	NCA02	37	**57**	**63**	**59**	43	**62**	42	44	33	48	**53**	**60**	34	N, V
R2686	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	48	**49**	39	**54**	47	**54**	39	-
R2687	Residential	NCA02	36	**57**	**63**	**59**	44	**63**	42	45	33	48	**54**	**61**	33	N, V
R2688	Residential	NCA01	19	32	33	30	16	34	23	25	15	31	24	31	16	-
R2689	Residential	NCA02	36	**55**	**60**	**57**	43	**60**	41	43	31	48	**51**	**57**	33	N, V
R2690	Residential	NCA02	27	40	44	41	26	46	32	34	21	39	35	42	24	-
R2691	Residential	NCA02	43	**50**	**55**	**52**	37	**56**	48	**50**	38	**54**	47	**54**	40	-
R2692	Residential	NCA02	28	37	42	38	25	43	33	35	21	39	33	40	25	-
R2693	Active recreation	NCA04	37	44	44	41	26	43	37	39	28	48	41	46	34	-
R2694	Industrial	NCA04	45	49	51	50	33	50	47	49	38	56	48	55	42	-
R2695	Residential	NCA02	28	41	44	42	27	46	35	37	23	41	36	43	25	-
R2696	Educational institute	NCA02	33	47	50	47	31	53	37	38	27	45	42	48	30	-
R2697	Residential	NCA02	36	**51**	**55**	**52**	37	**56**	41	43	30	47	47	**54**	33	-
R2698	Residential	NCA02	35	**52**	**57**	**53**	37	**57**	41	42	30	46	48	**55**	32	-
R2699	Residential	NCA02	41	**54**	**61**	**57**	43	**61**	47	**49**	37	**53**	**52**	**58**	38	N, V
R2700	Residential	NCA02	38	**51**	**57**	**53**	39	**57**	45	47	35	**50**	48	**53**	35	-
R2701	Residential	NCA02	42	**51**	**56**	**53**	37	**56**	48	**50**	38	**53**	47	**54**	39	-
R2702	Active recreation	NCA04	40	46	49	46	31	48	42	44	31	52	43	50	37	-
R2703	Residential	NCA02	42	48	**53**	**50**	34	**53**	46	48	38	**53**	45	**52**	39	-
R2704	Residential	NCA02	42	**49**	**55**	**52**	37	**55**	48	**50**	38	**53**	47	**54**	39	-
R2705	Residential	NCA02	28	35	39	36	22	41	31	33	20	40	31	38	25	-
R2706	Educational institute	NCA02	34	49	51	48	33	52	40	42	30	46	43	50	31	-
R2707	Residential	NCA02	29	40	44	40	26	46	34	36	22	41	35	42	26	-
R2708	Residential	NCA02	42	**51**	**57**	**54**	40	**57**	46	48	37	**53**	48	**54**	39	-
R2709	Active recreation	NCA04	40	47	45	42	28	45	38	40	30	51	44	48	37	-
R2710	Residential	NCA02	30	42	45	42	26	47	34	37	25	42	36	43	27	-
R2711	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	47	48	36	**53**	47	**53**	39	-
R2712	Residential	NCA02	29	44	44	42	27	47	33	35	22	41	36	42	26	-
R2713	Residential	NCA02	28	42	44	41	26	48	34	36	22	40	36	42	25	-
R2714	Residential	NCA02	29	41	42	40	25	47	34	36	22	40	36	42	26	-
R2715	Residential	NCA02	37	**50**	**57**	**53**	40	**57**	45	47	34	48	48	**54**	34	-
R2716	Residential	NCA02	41	**52**	**58**	**55**	40	**58**	47	48	37	**52**	**49**	**56**	38	-
R2717	Residential	NCA02	37	**53**	**59**	**55**	41	**59**	45	48	35	**49**	**50**	**56**	34	N, V
R2718	Commercial	NCA02	49	54	56	53	39	56	52	55	43	60	51	58	46	-
R2719	Residential	NCA02	38	**53**	**59**	**55**	40	**58**	45	47	35	**50**	**49**	**56**	35	-
R2720	Residential	NCA02	35	**51**	**57**	**53**	39	**57**	40	43	29	46	48	**55**	32	-
R2721	Residential	NCA02	27	39	41	38	24	44	32	34	20	38	33	40	24	-
R2722	Active recreation	NCA04	37	42	42	40	25	42	36	37	26	49	40	46	34	-
R2723	Residential	NCA02	40	**52**	**58**	**55**	41	**58**	45	47	34	**51**	**49**	**56**	37	-
R2724	Educational institute	NCA02	32	48	50	48	32	53	36	38	26	44	43	50	29	-
R2725	Residential	NCA02	40	**52**	**57**	**53**	40	**57**	47	**49**	36	**51**	**49**	**55**	37	-
R2726	Residential	NCA02	37	**50**	**57**	**53**	39	**57**	44	46	33	48	48	**55**	34	-
R2727	Residential	NCA02	25	36	41	37	23	42	28	30	18	36	32	39	22	-
R2728	Residential	NCA02	37	**51**	**58**	**54**	39	**56**	44	45	31	48	**49**	**56**	34	-
R2729	Residential	NCA02	28	40	44	41	26	45	33	35	22	40	36	42	25	-
R2730	Residential	NCA01	27	41	46	42	29	47	32	35	24	39	37	44	24	-
R2731	Residential	NCA02	38	**52**	**57**	**55**	37	**58**	45	47	34	**50**	**49**	**54**	35	-
R2732	Residential	NCA02	28	39	42	39	25	43	32	34	20	39	34	40	25	-
R2733	Residential	NCA02	26	37	41	38	23	42	31	33	20	38	32	39	23	-
R2734	Residential	NCA02	39	**51**	**58**	**54**	40	**58**	48	**49**	37	**51**	**49**	**55**	36	-
R2735	Residential	NCA02	36	**51**	**55**	**51**	37	**55**	43	45	33	48	46	**53**	33	-
R2736	Residential	NCA02	37	**52**	**57**	**55**	40	**57**	43	45	33	48	**50**	**55**	34	-
R2737	Residential	NCA02	27	36	41	37	24	42	31	33	21	39	32	39	24	-
R2738	Residential	NCA02	37	**52**	**57**	**54**	40	**58**	43	45	33	**49**	**49**	**55**	34	-
R2739	Residential	NCA02	25	35	39	35	21	40	27	29	16	35	30	37	22	-
R2740	Commercial	NCA02	48	52	55	53	37	54	49	53	39	59	50	57	45	-
R2741	Active recreation	NCA04	38	45	43	40	25	43	36	38	28	48	42	47	35	-
R2742	Residential	NCA02	38	**51**	**58**	**54**	40	**58**	44	46	33	**49**	48	**54**	35	-
R2743	Residential	NCA02	36	**52**	**57**	**53**	38	**57**	43	45	32	48	48	**54**	33	-
R2744	Residential	NCA02	37	**50**	**56**	**52**	38	**56**	42	44	33	**49**	47	**54**	34	-
R2745	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	46	48	36	**50**	**49**	**56**	35	-
R2746	Residential	NCA02	32	**53**	47	44	29	**59**	38	40	29	44	40	47	29	N, V
R2747	Residential	NCA02	39	**52**	**58**	**54**	41	**57**	47	**49**	36	**51**	**49**	**55**	36	-
R2748	Residential	NCA02	22	35	38	35	21	40	26	28	16	33	29	36	19	-
R2749	Residential	NCA02	35	**52**	**58**	**54**	38	**57**	43	45	32	47	48	**55**	32	-
R2750	Residential	NCA02	25	39	41	39	24	44	30	32	18	36	33	40	22	-
R2751	Educational institute	NCA02	33	48	48	45	29	53	39	41	29	45	42	48	30	-
R2752	Residential	NCA02	44	**49**	**53**	**51**	35	**54**	47	48	37	**54**	46	**53**	41	-
R2753	Place of worship	NCA02	32	50	49	46	29	56	38	40	28	44	41	48	29	-
R2754	Residential	NCA02	37	**52**	**58**	**54**	41	**58**	45	47	35	**49**	**49**	**55**	34	-
R2755	Active recreation	NCA04	41	46	49	46	31	48	42	44	33	52	43	50	38	-
R2756	Residential	NCA02	25	38	41	39	24	43	31	33	19	37	32	40	22	-
R2757	Residential	NCA02	30	44	46	44	27	48	36	38	25	42	37	44	27	-
R2758	Residential	NCA02	37	**51**	**58**	**54**	40	**58**	44	46	34	**49**	**49**	**56**	34	-
R2759	Active recreation	NCA04	37	44	43	41	26	43	36	38	28	50	42	48	34	-
R2760	Residential	NCA02	36	**53**	**59**	**55**	40	**59**	42	44	32	48	**50**	**55**	33	N, V
R2761	Residential	NCA02	30	40	42	38	25	45	34	36	25	42	34	41	27	-
R2762	Commercial	NCA02	44	48	52	51	34	51	47	49	36	54	46	52	41	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2763	Residential	NCA02	29	39	42	39	25	44	33	35	23	41	34	41	26	-
R2764	Residential	NCA02	29	43	46	44	27	48	35	37	25	41	37	44	26	-
R2765	Residential	NCA02	31	44	44	41	26	**49**	35	38	26	43	37	44	28	-
R2766	Residential	NCA02	29	**50**	**55**	**51**	34	**57**	35	37	24	41	46	**51**	26	-
R2767	Residential	NCA02	43	47	**51**	**49**	32	**51**	46	48	37	**53**	45	**52**	40	-
R2768	Active recreation	NCA04	42	46	49	46	31	48	44	46	33	53	44	50	39	-
R2769	Residential	NCA02	29	42	43	41	26	47	34	36	23	41	34	41	26	-
R2770	Active recreation	NCA04	35	41	42	39	25	42	35	37	26	47	38	45	32	-
R2771	Residential	NCA02	42	48	**54**	**49**	34	**54**	46	48	36	**52**	44	**51**	39	-
R2772	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	45	47	35	**49**	**49**	**56**	34	-
R2773	Residential	NCA02	45	47	**51**	48	33	**51**	44	46	35	**55**	46	**53**	42	-
R2774	Residential	NCA02	33	**50**	**56**	**52**	37	**56**	40	42	29	45	47	**54**	30	-
R2775	Commercial	NCA01	20	29	35	31	17	35	24	26	15	31	26	33	17	-
R2776	Residential	NCA02	39	45	**50**	47	33	**50**	42	44	33	**50**	42	48	36	-
R2777	Residential	NCA02	25	41	42	40	24	45	29	31	21	37	33	39	22	-
R2778	Residential	NCA02	33	48	47	43	28	**52**	35	37	23	44	38	45	30	-
R2779	Residential	NCA02	37	**49**	**55**	**52**	37	**55**	44	46	34	48	46	**53**	34	-
R2780	Residential	NCA02	31	44	45	43	27	**50**	36	39	26	43	37	43	28	-
R2781	Active recreation	NCA04	38	42	42	40	25	42	36	38	27	48	40	44	35	-
R2782	Residential	NCA02	37	**52**	**57**	**53**	40	**57**	45	47	35	48	**49**	**55**	34	-
R2783	Residential	NCA02	31	47	47	44	28	**49**	36	39	27	43	38	45	28	-
R2784	Residential	NCA02	32	**51**	47	45	29	**59**	37	39	27	43	40	47	29	N, V
R2785	Residential	NCA02	40	45	**51**	47	33	**51**	44	46	35	**51**	43	**50**	37	-
R2786	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	44	46	34	**49**	**49**	**55**	34	-
R2787	Residential	NCA02	40	47	**50**	48	32	**50**	43	45	35	**51**	42	**49**	37	-
R2788	Residential	NCA02	38	**53**	**58**	**54**	41	**58**	45	47	36	**50**	**49**	**56**	35	-
R2789	Place of worship	NCA02	28	43	45	43	27	48	35	37	23	40	37	44	25	-
R2790	Residential	NCA02	39	48	**53**	**50**	35	**54**	42	43	31	**50**	45	**49**	36	-
R2791	Educational institute	NCA02	34	51	54	52	33	54	40	42	27	46	46	53	31	-
R2792	Residential	NCA02	27	43	46	44	27	48	33	35	19	39	38	45	24	-
R2793	Residential	NCA02	28	40	42	39	25	45	34	36	23	40	34	42	25	-
R2794	Residential	NCA02	39	**50**	**55**	**51**	38	**55**	43	44	33	**50**	47	**54**	36	-
R2795	Residential	NCA02	36	**52**	**56**	**54**	38	**57**	42	44	32	47	**49**	**56**	33	-
R2796	Residential	NCA02	46	48	**52**	**49**	34	**52**	45	48	37	**57**	48	**55**	43	-
R2797	Residential	NCA02	30	47	45	42	27	**49**	35	37	25	42	37	43	27	-
R2798	Residential	NCA02	34	**51**	**57**	**53**	38	**57**	43	45	33	47	48	**55**	31	-
R2799	Residential	NCA02	30	41	43	40	25	45	35	37	25	42	35	42	27	-
R2800	Educational institute	NCA02	34	50	52	50	32	53	40	42	28	46	44	51	31	-
R2801	Residential	NCA02	30	42	45	43	27	46	35	37	26	42	38	44	27	-
R2802	Residential	NCA02	27	40	40	38	23	45	32	34	23	39	33	39	24	-
R2803	Residential	NCA02	36	**51**	**58**	**54**	39	**58**	43	45	33	48	**49**	**56**	33	-
R2804	Residential	NCA02	39	**50**	**57**	**54**	40	**57**	46	48	36	**51**	48	**54**	36	-
R2805	Residential	NCA02	29	**51**	44	40	26	**58**	33	35	24	41	35	42	26	-
R2806	Residential	NCA02	37	**53**	**58**	**55**	40	**58**	44	46	35	**49**	**49**	**55**	34	-
R2807	Residential	NCA02	34	**49**	**52**	**49**	33	**52**	41	43	31	46	45	**51**	31	-
R2808	Residential	NCA02	22	39	40	38	24	44	26	29	17	34	32	39	19	-
R2809	Residential	NCA02	39	**49**	**54**	**51**	37	**54**	42	44	33	**51**	45	**52**	36	-
R2810	Educational institute	NCA02	33	47	48	47	29	51	39	41	28	45	43	49	30	-
R2811	Residential	NCA02	38	**49**	**55**	**51**	35	**54**	44	46	33	**49**	46	**52**	35	-
R2812	Residential	NCA02	40	**52**	**59**	**55**	41	**59**	46	48	37	**51**	**50**	**55**	37	N, V
R2813	Active recreation	NCA04	40	47	46	43	28	46	40	42	30	52	45	50	37	-
R2814	Educational institute	NCA02	28	41	45	42	27	46	32	34	22	39	36	43	25	-
R2815	Residential	NCA02	25	39	40	36	23	45	29	31	19	35	31	38	22	-
R2816	Residential	NCA02	25	42	41	39	23	48	33	35	22	35	34	41	22	-
R2817	Residential	NCA02	18	33	37	34	21	39	23	26	15	30	28	35	15	-
R2818	Residential	NCA02	45	**50**	**52**	**49**	33	**51**	**49**	**51**	39	**56**	47	**54**	42	-
R2819	Residential	NCA02	20	35	38	34	22	41	24	26	16	31	29	36	17	-
R2820	Residential	NCA02	29	42	42	40	24	45	34	36	24	41	35	41	26	-
R2821	Active recreation	NCA02	30	44	47	45	28	49	35	37	25	42	39	46	27	-
R2822	Educational institute	NCA02	27	41	45	41	28	45	31	33	21	38	36	43	24	-
R2823	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	45	47	36	**50**	47	**54**	35	-
R2824	Educational institute	NCA02	33	48	54	50	33	53	38	40	27	45	44	51	30	-
R2825	Residential	NCA02	35	**49**	**51**	47	33	**55**	40	42	30	47	42	48	32	-
R2826	Residential	NCA02	30	39	41	38	24	43	34	36	24	42	34	41	27	-
R2827	Residential	NCA02	41	45	46	44	28	47	42	44	34	**51**	42	**49**	38	-
R2828	Residential	NCA02	29	44	44	42	26	48	36	38	25	41	37	44	26	-
R2829	Residential	NCA02	38	**50**	**55**	**52**	38	**55**	43	44	33	**49**	46	**53**	35	-
R2830	Residential	NCA02	36	**50**	**56**	**52**	37	**55**	42	45	33	48	46	**53**	33	-
R2831	Educational institute	NCA02	32	48	49	46	29	52	36	38	25	44	41	48	29	-
R2832	Educational institute	NCA02	33	49	51	47	33	52	40	42	30	45	42	48	30	-
R2833	Active recreation	NCA04	37	41	43	40	25	42	36	37	27	46	38	43	34	-
R2834	Residential	NCA02	26	39	40	37	23	43	31	33	20	38	31	38	23	-
R2835	Residential	NCA02	37	**49**	**54**	**50**	34	**54**	44	46	33	47	45	**52**	34	-
R2836	Residential	NCA02	30	45	44	43	26	47	34	37	24	42	37	44	27	-
R2837	Residential	NCA02	35	**52**	**57**	**53**	38	**59**	39	41	28	46	45	**52**	32	N, V
R2838	Residential	NCA02	26	42	43	39	25	46	33	35	23	38	34	41	23	-
R2839	Residential	NCA02	32	**52**	47	45	29	**58**	37	39	27	44	40	47	29	-
R2840	Residential	NCA02	28	44	45	42	27	48	35	37	25	40	36	44	25	-
R2841	Residential	NCA02	39	45	48	45	31	**49**	41	43	33	**50**	42	**49**	36	-
R2842	Residential	NCA02	36	**51**	**57**	**54**	40	**57**	41	43	30	46	48	**54**	33	-
R2843	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	45	32	48	48	**55**	33	N, V
R2844	Residential	NCA02	38	**49**	**55**	**51**	38	**55**	44	45	33	**49**	47	**52**	35	-
R2845	Residential	NCA02	39	47	**54**	**49**	33	**53**	43	45	33	**50**	44	**50**	36	-
R2846	Residential	NCA02	27	42	45	42	27	47	33	35	23	39	36	43	24	-
R2847	Residential	NCA02	23	38	39	36	23	42	26	28	18	35	30	37	20	-
R2848	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	45	47	35	**49**	48	**55**	35	-
R2849	Residential	NCA02	30	43	45	43	26	47	36	38	25	42	38	45	27	-
R2850	Residential	NCA02	44	47	**51**	48	31	**51**	46	48	36	**55**	46	**53**	41	-
R2851	Residential	NCA02	40	**50**	**56**	**52**	38	**56**	46	48	36	**52**	47	**55**	37	-
R2852	Residential	NCA02	27	42	41	39	23	45	33	35	22	39	34	41	24	-
R2853	Residential	NCA02	26	42	44	42	25	47	33	35	23	38	36	43	23	-
R2854	Residential	NCA02	40	44	48	47	30	47	43	45	34	**50**	42	**49**	37	-
R2855	Residential	NCA02	38	**50**	**57**	**53**	39	**57**	45	48	36	**49**	48	**55**	35	-
R2856	Residential	NCA02	27	39	40	36	23	44	31	34	22	38	32	39	24	-
R2857	Residential	NCA02	37	**50**	**55**	**52**	37	**55**	44	46	34	**49**	47	**54**	34	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2858	Residential	NCA02	27	43	45	43	25	48	34	36	23	39	37	44	24	-
R2859	Active recreation	NCA04	35	42	38	35	21	37	34	36	23	48	39	46	32	-
R2860	Residential	NCA02	30	46	45	43	27	48	35	37	24	42	36	43	27	-
R2861	Residential	NCA02	32	**50**	48	44	29	**57**	38	40	28	44	41	48	29	-
R2862	Educational institute	NCA02	32	43	47	44	30	47	39	40	26	44	38	45	29	-
R2863	Residential	NCA02	38	**51**	**57**	**53**	37	**57**	44	46	34	48	48	**53**	35	-
R2864	Residential	NCA02	23	36	38	35	21	41	28	30	17	35	30	37	20	-
R2865	Residential	NCA02	44	**49**	**51**	**50**	32	**51**	47	**49**	39	**56**	47	**54**	41	-
R2866	Residential	NCA02	28	39	40	37	23	43	32	34	22	40	33	39	25	-
R2867	Residential	NCA02	37	48	**54**	**50**	35	**54**	41	43	31	48	45	**50**	34	-
R2868	Residential	NCA02	37	**51**	**57**	**53**	38	**57**	44	46	35	**49**	48	**55**	34	-
R2869	Residential	NCA02	27	35	39	36	22	40	30	32	20	39	31	37	24	-
R2870	Active recreation	NCA04	42	45	50	47	32	50	45	47	34	53	43	50	39	-
R2871	Residential	NCA02	39	47	**51**	48	33	**51**	40	42	32	**49**	43	**49**	36	-
R2872	Residential	NCA02	24	35	38	36	21	40	28	30	17	36	30	37	21	-
R2873	Residential	NCA02	38	**51**	**57**	**53**	38	**57**	44	46	35	**49**	48	**54**	35	-
R2874	Residential	NCA02	32	**50**	47	45	29	**55**	38	40	26	44	41	48	29	-
R2875	Residential	NCA02	29	44	43	42	25	48	35	37	25	41	36	43	26	-
R2876	Residential	NCA02	30	47	43	42	25	**50**	36	38	26	42	38	44	27	-
R2877	Residential	NCA02	26	37	38	35	21	41	32	35	21	38	32	39	23	-
R2878	Residential	NCA02	38	**50**	**56**	**52**	38	**56**	45	46	34	**50**	47	**51**	35	-
R2879	Residential	NCA02	24	36	39	37	21	41	30	32	18	36	32	38	21	-
R2880	Residential	NCA02	41	46	**51**	48	33	**50**	45	47	36	**52**	44	**50**	38	-
R2881	Residential	NCA02	36	**49**	**53**	**50**	34	**53**	42	44	31	47	44	**51**	33	-
R2882	Residential	NCA02	41	47	**51**	48	33	**50**	44	46	36	**53**	43	**50**	38	-
R2883	Residential	NCA02	38	**50**	**56**	**53**	38	**56**	44	46	35	**50**	47	**53**	35	-
R2884	Residential	NCA02	24	34	37	35	20	41	28	30	18	36	29	36	21	-
R2885	Residential	NCA02	26	36	38	35	21	42	30	32	19	38	30	37	23	-
R2886	Active recreation	NCA04	39	45	42	40	25	42	36	37	27	48	42	46	36	-
R2887	Residential	NCA02	39	45	48	47	30	48	44	45	35	**50**	42	**49**	36	-
R2888	Residential	NCA02	24	36	40	36	22	41	28	30	20	35	31	38	21	-
R2889	Residential	NCA02	44	**49**	**51**	**49**	34	**51**	47	48	37	**55**	46	**53**	41	-
R2890	Residential	NCA02	39	44	**49**	45	30	**49**	41	43	33	**50**	41	48	36	-
R2891	Active recreation	NCA04	38	45	47	44	29	47	40	42	31	51	43	49	35	-
R2892	Residential	NCA02	26	38	44	41	26	45	32	34	24	38	36	43	23	-
R2893	Residential	NCA02	35	**51**	**57**	**53**	38	**57**	42	45	32	47	48	**54**	32	-
R2894	Residential	NCA02	29	44	45	42	26	48	34	36	24	41	37	43	26	-
R2895	Place of worship	NCA02	31	51	47	45	29	56	36	38	26	43	41	48	28	-
R2896	Residential	NCA02	34	48	**54**	**50**	35	**54**	41	43	30	46	44	**51**	31	-
R2897	Residential	NCA02	41	47	**52**	48	33	**52**	44	47	35	**52**	43	**51**	38	-
R2898	Residential	NCA02	30	45	44	41	26	47	36	38	25	42	38	45	27	-
R2899	Active recreation	NCA04	41	46	49	49	32	49	45	47	33	52	44	51	38	-
R2900	Residential	NCA02	31	48	48	45	27	**52**	37	39	28	43	40	47	28	-
R2901	Residential	NCA02	25	35	39	36	22	40	29	31	20	36	31	37	22	-
R2902	Residential	NCA02	36	**52**	**56**	**54**	38	**58**	43	45	33	47	47	**54**	33	-
R2903	Residential	NCA02	29	39	40	38	23	44	33	35	24	40	32	39	26	-
R2904	Residential	NCA02	34	**53**	**58**	**54**	38	**57**	41	43	31	46	**49**	**52**	31	-
R2905	Residential	NCA02	39	46	**51**	47	33	**51**	43	45	35	**50**	43	**49**	36	-
R2906	Active recreation	NCA04	41	45	44	42	22	39	39	40	29	52	43	48	38	-
R2907	Residential	NCA02	36	48	**54**	**50**	36	**54**	43	45	33	48	45	**51**	33	-
R2908	Residential	NCA02	30	47	46	43	28	**51**	36	38	26	42	38	45	27	-
R2909	Residential	NCA02	39	46	**50**	46	32	**50**	43	45	34	**50**	42	48	36	-
R2910	Residential	NCA02	34	**49**	**52**	**49**	34	**52**	40	43	31	46	43	48	31	-
R2911	Residential	NCA02	30	44	45	42	27	46	36	38	26	42	39	46	27	-
R2912	Residential	NCA02	27	38	43	40	25	44	32	34	23	38	34	41	24	-
R2913	Residential	NCA02	38	47	**53**	**50**	35	**53**	43	45	34	**50**	44	**50**	35	-
R2914	Residential	NCA02	29	40	42	40	25	44	33	35	25	40	35	41	26	-
R2915	Residential	NCA02	34	48	**54**	**50**	36	**54**	41	43	31	46	45	**52**	31	-
R2916	Residential	NCA02	39	47	**53**	**49**	37	**53**	44	46	34	**50**	45	**51**	36	-
R2917	Residential	NCA02	26	36	37	35	20	40	27	29	18	34	28	35	23	-
R2918	Residential	NCA02	29	42	45	41	26	45	33	35	23	41	37	44	26	-
R2919	Residential	NCA02	39	**49**	**55**	**51**	37	**55**	44	46	35	**50**	46	**53**	36	-
R2920	Residential	NCA02	33	48	**50**	47	32	**53**	40	42	30	45	42	48	30	-
R2921	Residential	NCA02	38	48	**53**	**50**	35	**53**	44	46	35	**49**	44	**50**	35	-
R2922	Residential	NCA02	33	47	**54**	**50**	35	**54**	39	41	26	44	44	**50**	30	-
R2923	Residential	NCA02	32	44	48	44	30	48	37	39	25	44	39	46	29	-
R2924	Residential	NCA02	32	**50**	47	45	29	**54**	37	39	26	44	39	45	29	-
R2925	Residential	NCA02	37	48	**54**	**50**	35	**54**	43	44	33	**49**	45	**52**	34	-
R2926	Residential	NCA02	30	45	45	43	27	47	36	38	27	42	37	44	27	-
R2927	Residential	NCA02	32	48	**50**	46	29	**54**	38	40	28	44	41	48	29	-
R2928	Residential	NCA02	31	42	45	42	27	46	37	39	25	43	38	45	28	-
R2929	Residential	NCA02	27	42	40	39	22	44	33	35	22	39	32	39	24	-
R2930	Active recreation	NCA04	37	43	41	38	24	41	34	36	26	45	40	45	34	-
R2931	Residential	NCA02	37	**49**	**54**	**51**	36	**54**	44	46	35	**49**	46	**53**	34	-
R2932	Residential	NCA02	33	46	47	46	29	48	39	41	28	45	41	47	30	-
R2933	Residential	NCA02	40	44	**50**	46	30	**50**	39	41	31	**51**	42	48	37	-
R2934	Residential	NCA02	36	48	**53**	**49**	35	**53**	42	43	32	48	45	**51**	33	-
R2935	Residential	NCA02	23	34	37	33	20	39	26	28	18	34	29	35	20	-
R2936	Residential	NCA02	34	47	48	46	31	48	39	40	27	46	40	47	31	-
R2937	Residential	NCA02	32	44	46	44	26	48	38	40	27	44	39	45	29	-
R2938	Residential	NCA02	32	46	47	45	28	**50**	38	40	28	44	41	48	29	-
R2939	Residential	NCA02	33	46	48	45	28	**49**	38	40	28	45	41	46	30	-
R2940	Residential	NCA02	36	47	**53**	**49**	34	**53**	43	44	32	48	44	**50**	33	-
R2941	Residential	NCA02	32	48	47	43	29	**53**	37	39	28	44	39	45	29	-
R2942	Residential	NCA02	37	**49**	**54**	**51**	37	**55**	44	46	34	48	45	**52**	34	-
R2943	Residential	NCA02	33	41	46	42	29	46	39	40	28	45	38	45	30	-
R2944	Residential	NCA02	29	45	44	42	27	**49**	35	37	26	41	37	44	26	-
R2945	Residential	NCA02	38	43	46	43	28	46	41	43	33	**49**	40	47	35	-
R2946	Residential	NCA02	30	47	48	45	30	**52**	36	37	26	42	40	47	27	-
R2947	Residential	NCA02	28	45	45	42	27	47	32	34	21	39	36	43	25	-
R2948	Residential	NCA02	37	43	45	43	28	45	39	41	31	48	39	46	34	-
R2949	Residential	NCA02	29	41	39	37	23	43	32	34	24	40	31	38	26	-
R2950	Residential	NCA02	32	48	**54**	**50**	35	**54**	38	41	27	44	45	**52**	29	-
R2951	Residential	NCA02	37	**49**	**54**	**50**	36	**54**	43	45	34	**49**	45	**52**	34	-
R2952	Industrial	NCA02	26	38	42	39	24	43	32	34	22	38	34	39	23	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2953	Active recreation	NCA02	26	37	39	36	22	42	31	33	21	38	32	39	23	-
R2954	Residential	NCA02	37	42	46	43	28	47	41	43	31	48	39	46	34	-
R2955	Residential	NCA02	38	43	44	42	27	44	41	43	32	**49**	40	47	35	-
R2956	Residential	NCA02	30	43	45	42	27	45	34	36	22	42	37	43	27	-
R2957	Residential	NCA02	38	43	45	42	28	45	41	43	33	**49**	40	47	35	-
R2958	Residential	NCA02	37	48	**53**	**50**	36	**54**	43	45	33	48	45	**52**	34	-
R2959	Residential	NCA02	38	43	**50**	46	31	47	40	43	32	**49**	40	47	35	-
R2960	Residential	NCA02	30	41	45	41	28	45	36	37	23	42	36	43	27	-
R2961	Residential	NCA02	33	46	**49**	48	31	**52**	40	41	28	45	43	46	30	-
R2962	Residential	NCA02	30	45	39	37	22	48	34	36	23	42	33	40	27	-
R2963	Residential	NCA02	37	45	**49**	45	31	**49**	41	43	31	48	40	48	34	-
R2964	Residential	NCA02	25	40	40	37	23	44	29	31	20	36	32	39	22	-
R2965	Residential	NCA02	31	47	48	45	28	**52**	37	38	27	43	40	47	28	-
R2966	Residential	NCA02	32	47	46	43	27	**52**	38	40	27	44	39	45	29	-
R2967	Active recreation	NCA04	35	43	44	41	27	44	38	40	28	49	41	47	32	-
R2968	Residential	NCA02	32	48	**53**	**49**	36	**53**	38	40	27	44	44	**51**	29	-
R2969	Residential	NCA02	26	36	37	36	20	40	30	32	20	38	30	37	23	-
R2970	Residential	NCA02	27	39	40	37	23	42	33	35	23	39	32	39	24	-
R2971	Residential	NCA02	34	48	**53**	**49**	35	**53**	41	43	30	46	44	**51**	31	-
R2972	Residential	NCA02	28	38	39	37	22	42	35	37	23	40	33	39	25	-
R2973	Residential	NCA02	33	40	45	42	27	46	38	40	27	45	37	43	30	-
R2974	Residential	NCA02	34	46	**51**	47	33	**51**	39	41	29	45	43	**49**	31	-
R2975	Residential	NCA02	38	43	43	45	26	43	41	43	33	**49**	40	47	35	-
R2976	Residential	NCA02	30	42	45	41	27	46	37	39	24	42	37	43	27	-
R2977	Active recreation	NCA04	36	43	44	41	27	44	38	40	28	49	41	46	33	-
R2978	Active recreation	NCA02	40	45	49	47	32	50	43	45	34	51	43	50	37	-
R2979	Residential	NCA02	37	46	**51**	46	33	**51**	42	44	33	48	43	48	34	-
R2980	Residential	NCA02	30	43	45	41	27	47	35	37	23	41	36	42	27	-
R2981	Residential	NCA02	29	41	41	41	24	46	34	36	25	41	37	44	26	-
R2982	Residential	NCA02	39	47	**53**	48	33	**53**	43	44	33	**50**	44	**49**	36	-
R2983	Residential	NCA02	27	41	45	43	26	47	33	35	23	39	37	43	24	-
R2984	Residential	NCA02	32	43	45	42	26	46	37	39	28	44	37	43	29	-
R2985	Residential	NCA02	37	45	**49**	46	31	**49**	41	43	33	48	41	48	34	-
R2986	Residential	NCA02	29	39	40	37	23	42	32	34	23	40	32	40	26	-
R2987	Residential	NCA02	28	38	39	38	22	41	33	35	24	40	32	38	25	-
R2988	Residential	NCA02	31	46	44	42	25	**51**	37	39	25	43	39	46	28	-
R2989	Residential	NCA02	27	48	**52**	**50**	35	**52**	35	37	24	38	43	**50**	24	-
R2990	Residential	NCA02	28	38	40	36	23	44	31	33	21	39	31	38	25	-
R2991	Residential	NCA02	38	43	46	42	27	46	41	43	33	**49**	40	47	35	-
R2992	Residential	NCA02	38	48	**54**	**50**	35	**54**	43	45	34	**49**	45	**52**	35	-
R2993	Residential	NCA02	33	46	**49**	46	30	**49**	39	41	28	45	41	47	30	-
R2994	Residential	NCA02	33	41	47	43	30	47	37	39	26	44	37	44	30	-
R2995	Residential	NCA02	37	45	**49**	46	32	**49**	41	44	33	**49**	41	48	34	-
R2996	Residential	NCA02	37	47	**53**	**49**	35	**53**	43	44	33	**49**	44	**51**	34	-
R2997	Residential	NCA02	38	44	47	44	29	47	41	43	33	**49**	40	47	35	-
R2998	Active recreation	NCA02	28	42	45	41	26	45	33	35	25	40	36	43	25	-
R2999	Residential	NCA02	34	45	**49**	45	30	48	41	41	30	45	39	47	31	-
R3000	Residential	NCA02	27	39	41	38	22	43	32	34	23	39	33	39	24	-
R3001	Residential	NCA02	33	46	**50**	47	32	**51**	39	41	27	44	41	48	30	-
R3002	Residential	NCA02	30	45	48	45	31	48	35	37	25	43	39	46	27	-
R3003	Residential	NCA02	38	48	**53**	**50**	35	**53**	43	44	34	**49**	45	**52**	35	-
R3004	Residential	NCA02	31	46	**49**	46	31	**50**	37	39	24	43	41	47	28	-
R3005	Residential	NCA02	38	48	**54**	**50**	35	**54**	43	45	34	**49**	45	**51**	35	-
R3006	Residential	NCA02	38	48	**54**	**50**	36	**54**	43	45	33	**49**	45	**51**	35	-
R3007	Residential	NCA02	38	44	45	42	27	45	42	44	34	**50**	41	48	35	-
R3008	Residential	NCA02	30	44	46	45	28	47	37	40	25	41	38	45	27	-
R3009	Residential	NCA02	36	47	**54**	**50**	34	**53**	42	44	33	47	44	**50**	33	-
R3010	Residential	NCA02	40	46	**52**	48	34	**51**	42	45	34	**51**	42	**49**	37	-
R3011	Residential	NCA02	31	47	47	44	27	**52**	37	39	25	44	39	47	28	-
R3012	Residential	NCA02	28	40	40	37	23	43	31	33	22	40	32	39	25	-
R3013	Residential	NCA02	26	38	39	37	22	42	30	32	22	37	32	37	23	-
R3014	Active recreation	NCA02	39	44	50	46	32	50	42	44	34	50	42	48	36	-
R3015	Residential	NCA02	29	41	41	38	23	47	33	35	20	40	34	41	26	-
R3016	Residential	NCA02	37	48	**54**	**50**	35	**54**	43	46	34	**49**	44	**51**	34	-
R3017	Residential	NCA02	37	48	**53**	**50**	36	**53**	43	46	33	48	44	**51**	34	-
R3018	Residential	NCA02	26	38	42	40	23	44	31	33	21	38	33	40	23	-
R3019	Residential	NCA02	31	39	42	38	25	44	36	38	25	43	35	42	28	-
R3020	Residential	NCA02	29	38	40	38	23	40	35	37	25	42	33	40	26	-
R3021	Residential	NCA02	33	47	**51**	47	32	**51**	40	42	29	44	42	**49**	30	-
R3022	Residential	NCA02	26	36	40	36	22	41	32	34	21	37	32	39	23	-
R3023	Residential	NCA02	36	48	**53**	**50**	36	**54**	42	44	32	47	45	**51**	33	-
R3024	Residential	NCA02	30	38	42	38	25	42	34	35	22	41	33	40	27	-
R3025	Residential	NCA02	37	45	**49**	46	31	48	43	44	32	48	41	47	34	-
R3026	Residential	NCA02	27	39	39	36	21	41	31	33	21	38	31	37	24	-
R3027	Residential	NCA02	37	43	45	45	28	46	41	43	33	**49**	40	47	34	-
R3028	Residential	NCA02	39	44	**50**	47	32	**50**	43	44	34	**49**	42	**49**	36	-
R3029	Residential	NCA02	25	39	38	35	20	42	29	31	20	36	29	35	22	-
R3030	Residential	NCA02	35	46	**52**	48	33	**52**	41	42	31	46	43	48	32	-
R3031	Residential	NCA02	28	38	40	36	22	44	32	34	19	39	32	39	25	-
R3032	Residential	NCA02	30	45	47	46	26	**49**	36	38	24	42	40	43	27	-
R3033	Residential	NCA02	38	44	**49**	45	32	**49**	38	40	29	48	40	47	35	-
R3034	Residential	NCA02	35	47	**52**	**49**	35	**52**	42	44	33	47	44	**50**	32	-
R3035	Residential	NCA02	25	35	36	35	19	39	27	29	18	36	28	34	22	-
R3036	Active recreation	NCA02	25	37	38	36	21	41	30	32	21	37	30	37	22	-
R3037	Residential	NCA02	31	46	43	41	25	**52**	36	38	25	43	38	43	28	-
R3038	Residential	NCA02	37	44	**51**	47	33	**51**	41	43	31	48	42	48	34	-
R3039	Residential	NCA02	29	44	42	39	24	45	34	36	25	41	35	41	26	-
R3040	Residential	NCA02	35	46	**52**	48	33	**52**	41	43	31	47	43	48	32	-
R3041	Residential	NCA02	39	43	47	45	30	47	41	43	33	**49**	41	47	36	-
R3042	Residential	NCA02	35	47	**51**	47	34	**51**	42	43	31	47	42	47	32	-
R3043	Residential	NCA02	32	42	44	41	26	45	38	40	27	44	37	43	29	-
R3044	Residential	NCA02	28	39	39	36	22	42	31	33	22	40	30	38	25	-
R3045	Residential	NCA02	22	35	37	35	20	40	26	28	16	34	28	35	19	-
R3046	Residential	NCA02	39	45	48	46	31	48	43	44	34	**49**	42	48	36	-
R3047	Residential	NCA02	39	46	**51**	47	34	**51**	43	45	34	**50**	42	**49**	36	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3048	Residential	NCA02	33	45	**49**	46	32	**49**	39	39	28	45	40	47	30	-
R3049	Residential	NCA02	31	45	**50**	46	31	**50**	37	39	26	43	41	46	28	-
R3050	Residential	NCA02	37	45	**49**	45	31	**49**	42	43	33	48	41	48	34	-
R3051	Residential	NCA02	34	47	**52**	48	33	**53**	41	43	31	46	43	**50**	31	-
R3052	Residential	NCA02	22	34	37	34	19	39	29	31	18	33	28	35	19	-
R3053	Residential	NCA02	38	45	47	46	28	47	43	44	33	**50**	42	48	35	-
R3054	Residential	NCA02	38	45	**51**	47	34	**51**	43	45	34	**50**	42	**49**	35	-
R3055	Residential	NCA02	34	47	**53**	**49**	35	**53**	40	42	30	46	43	**49**	31	-
R3056	Residential	NCA02	25	39	38	36	21	42	29	31	18	37	29	36	22	-
R3057	Residential	NCA02	31	44	43	42	25	48	35	37	24	43	37	44	28	-
R3058	Residential	NCA02	38	47	**52**	**49**	34	**52**	44	46	34	**50**	43	**50**	35	-
R3059	Residential	NCA02	28	38	38	36	20	42	31	33	22	40	30	37	25	-
R3060	Residential	NCA02	39	45	**52**	48	33	**51**	42	45	33	**50**	42	48	36	-
R3061	Residential	NCA02	34	46	**52**	48	33	**51**	41	42	30	46	43	**49**	31	-
R3062	Residential	NCA02	28	38	39	37	22	42	32	34	24	40	31	39	25	-
R3063	Residential	NCA02	31	45	43	43	25	**50**	36	38	26	43	38	45	28	-
R3064	Residential	NCA02	38	45	46	46	29	46	43	45	33	**51**	41	48	35	-
R3065	Residential	NCA02	30	39	40	36	22	43	33	35	21	41	33	39	27	-
R3066	Residential	NCA02	23	34	36	34	19	39	27	29	15	34	27	33	20	-
R3067	Residential	NCA02	32	41	46	43	30	46	37	39	28	44	37	44	29	-
R3068	Residential	NCA02	22	35	37	34	20	39	26	28	18	34	28	35	19	-
R3069	Residential	NCA02	29	41	42	40	23	45	34	36	25	41	35	42	26	-
R3070	Residential	NCA02	37	43	47	45	30	47	41	43	33	48	40	47	34	-
R3071	Residential	NCA02	39	47	**53**	**49**	35	**53**	42	44	33	**50**	44	**49**	36	-
R3072	Residential	NCA02	31	42	47	43	30	47	33	35	21	41	38	43	28	-
R3073	Residential	NCA02	35	46	**50**	47	31	**50**	37	38	28	46	42	47	32	-
R3074	Residential	NCA02	41	44	47	46	29	46	42	44	34	**51**	42	**49**	38	-
R3075	Residential	NCA02	27	42	45	42	26	47	33	35	24	39	36	42	24	-
R3076	Residential	NCA02	39	45	47	46	30	47	43	45	33	**50**	42	**49**	36	-
R3077	Residential	NCA02	39	46	**52**	48	34	**51**	42	45	34	**50**	43	**49**	36	-
R3078	Residential	NCA02	33	45	48	44	30	48	39	40	28	45	39	45	30	-
R3079	Residential	NCA02	24	39	43	41	24	45	29	31	20	36	35	41	21	-
R3080	Residential	NCA02	25	36	38	36	21	40	28	32	20	37	31	37	22	-
R3081	Residential	NCA02	34	45	**51**	48	32	**51**	40	41	30	46	41	47	31	-
R3082	Active recreation	NCA04	37	42	42	39	25	42	35	37	26	46	38	42	34	-
R3083	Residential	NCA02	38	46	**51**	48	34	**51**	43	45	33	**50**	42	**49**	35	-
R3084	Residential	NCA02	26	38	43	40	25	43	31	33	21	38	34	41	23	-
R3085	Residential	NCA02	27	36	37	35	20	40	33	35	23	39	32	39	24	-
R3086	Residential	NCA02	33	46	**50**	47	31	**50**	40	41	29	45	42	47	30	-
R3087	Residential	NCA02	24	39	41	38	22	43	28	30	20	35	33	40	21	-
R3088	Residential	NCA02	29	40	41	38	24	45	34	36	23	40	33	39	26	-
R3089	Residential	NCA02	38	45	**51**	47	34	**51**	42	43	31	**49**	42	47	35	-
R3090	Residential	NCA02	24	35	37	34	19	39	28	30	19	36	28	34	21	-
R3091	Residential	NCA02	31	44	46	42	28	47	37	38	26	43	37	43	28	-
R3092	Residential	NCA02	39	45	48	46	29	48	42	44	33	**53**	44	**50**	36	-
R3093	Residential	NCA02	26	39	38	36	21	41	30	32	18	37	29	36	23	-
R3094	Residential	NCA02	22	32	36	32	19	37	27	29	18	34	27	34	19	-
R3095	Residential	NCA02	30	46	43	42	25	**52**	37	38	24	42	37	44	27	-
R3096	Residential	NCA02	32	40	44	41	27	44	38	39	27	44	36	43	29	-
R3097	Residential	NCA02	28	38	39	36	22	42	31	34	22	40	31	38	25	-
R3098	Residential	NCA02	32	45	47	45	29	47	39	40	28	44	39	44	29	-
R3099	Residential	NCA02	30	43	48	44	28	48	37	39	25	42	39	46	27	-
R3100	Residential	NCA02	28	43	44	41	26	46	33	35	24	40	36	42	25	-
R3101	Residential	NCA02	32	42	44	42	26	45	38	40	27	44	37	44	29	-
R3102	Residential	NCA02	41	45	**50**	47	33	**50**	44	46	34	**52**	43	**50**	38	-
R3103	Residential	NCA02	32	42	42	40	25	46	38	40	27	44	37	44	29	-
R3104	Residential	NCA02	30	43	43	41	24	48	36	38	25	42	36	43	27	-
R3105	Residential	NCA02	40	44	48	45	31	48	41	43	32	**51**	41	48	37	-
R3106	Residential	NCA02	31	45	44	40	25	**51**	37	38	25	43	37	44	28	-
R3107	Residential	NCA02	32	44	47	43	29	47	37	39	25	43	38	43	29	-
R3108	Residential	NCA02	27	36	38	35	20	39	31	33	20	39	30	37	24	-
R3109	Residential	NCA02	28	38	41	37	22	44	31	33	20	39	33	39	25	-
R3110	Residential	NCA02	34	42	47	43	28	47	37	39	28	46	38	44	31	-
R3111	Residential	NCA02	36	46	**52**	48	33	**52**	42	44	31	48	43	**49**	33	-
R3112	Residential	NCA02	28	44	43	40	24	45	34	36	24	40	35	42	25	-
R3113	Residential	NCA02	28	36	40	36	23	40	34	35	21	40	32	38	25	-
R3114	Residential	NCA02	25	41	40	37	21	44	26	28	17	36	31	38	22	-
R3115	Residential	NCA02	29	42	42	39	24	45	34	36	24	41	35	41	26	-
R3116	Residential	NCA02	26	37	38	35	21	41	29	31	19	36	32	39	23	-
R3117	Residential	NCA02	32	45	**49**	46	31	**49**	39	41	28	43	40	47	29	-
R3118	Residential	NCA02	31	40	44	40	26	44	34	36	23	42	35	40	28	-
R3119	Residential	NCA02	35	46	**51**	**49**	34	**52**	41	43	31	47	42	**50**	32	-
R3120	Residential	NCA02	37	46	**51**	48	34	**51**	36	38	27	45	43	**49**	34	-
R3121	Residential	NCA02	39	43	47	45	29	47	41	43	32	**50**	42	48	36	-
R3122	Residential	NCA02	36	46	**50**	47	32	**51**	42	44	32	48	41	48	33	-
R3123	Residential	NCA02	33	42	45	43	29	47	36	38	27	44	38	43	30	-
R3124	Residential	NCA02	27	42	45	42	26	46	33	35	24	39	36	43	24	-
R3125	Residential	NCA02	33	42	47	43	28	47	36	39	28	44	38	43	30	-
R3126	Residential	NCA02	41	45	48	46	31	48	43	46	34	**52**	43	**50**	38	-
R3127	Residential	NCA02	27	38	39	37	21	43	33	34	21	39	32	39	24	-
R3128	Residential	NCA02	38	43	47	44	29	47	41	43	32	**49**	40	47	35	-
R3129	Residential	NCA02	28	38	39	37	22	42	33	35	21	40	32	39	25	-
R3130	Residential	NCA02	30	43	42	40	25	**51**	36	38	26	42	36	43	27	-
R3131	Residential	NCA02	26	37	38	35	20	42	29	31	18	37	29	36	23	-
R3132	Residential	NCA02	35	45	**51**	48	34	**51**	41	43	32	47	42	**49**	32	-
R3133	Residential	NCA02	31	44	43	41	25	48	36	38	24	43	36	43	28	-
R3134	Residential	NCA02	31	42	42	40	24	48	36	38	25	43	36	42	28	-
R3135	Residential	NCA02	26	36	38	36	21	41	31	33	20	38	30	37	23	-
R3136	Residential	NCA02	27	39	42	39	24	44	33	35	24	39	34	41	24	-
R3137	Residential	NCA02	36	45	**51**	47	33	**51**	41	43	32	47	42	**49**	33	-
R3138	Residential	NCA02	28	43	42	41	24	45	34	36	25	40	35	42	25	-
R3139	Residential	NCA02	24	34	38	35	22	39	31	32	17	36	29	37	21	-
R3140	Residential	NCA02	29	40	46	42	28	45	32	33	20	41	36	42	26	-
R3141	Residential	NCA02	25	37	38	35	21	41	30	32	21	37	30	37	22	-
R3142	Residential	NCA02	38	44	45	45	28	46	42	44	33	**49**	41	47	35	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R3143	Residential	NCA02	32	40	46	43	30	46	35	38	25	44	37	43	29	-
R3144	Residential	NCA02	35	45	**49**	45	30	48	40	41	30	46	40	46	32	-
R3145	Residential	NCA02	26	38	38	35	21	43	31	33	19	38	31	37	23	-
R3146	Residential	NCA02	26	32	33	31	16	37	26	28	16	36	27	33	23	-
R3147	Residential	NCA02	27	35	38	34	20	41	31	33	20	39	31	38	24	-
R3148	Residential	NCA02	37	42	45	44	27	46	41	42	32	48	40	47	34	-
R3149	Residential	NCA02	34	43	45	41	28	45	38	39	27	45	36	43	31	-
R3150	Residential	NCA02	27	38	38	35	21	43	33	34	21	39	32	37	24	-
R3151	Residential	NCA02	30	46	46	44	27	**52**	36	38	26	42	39	45	27	-
R3152	Residential	NCA02	28	41	45	42	26	47	34	36	25	40	36	42	25	-
R3153	Residential	NCA02	35	46	**52**	48	34	**52**	41	42	30	46	43	**50**	32	-
R3154	Residential	NCA02	33	43	43	41	25	48	38	40	28	44	37	43	30	-
R3155	Residential	NCA02	32	40	46	42	28	46	36	38	24	44	36	43	29	-
R3156	Residential	NCA02	30	37	40	37	23	40	35	37	24	42	34	41	27	-
R3157	Residential	NCA02	28	37	39	37	21	41	32	34	22	40	32	38	25	-
R3158	Residential	NCA02	30	45	46	43	26	**50**	36	38	26	42	38	45	27	-
R3159	Residential	NCA02	37	43	47	45	29	46	42	44	33	48	40	47	34	-
R3160	Residential	NCA02	33	42	43	40	24	43	38	40	27	45	37	43	30	-
R3161	Residential	NCA02	34	46	**51**	47	34	**51**	39	41	30	46	42	**49**	31	-
R3162	Residential	NCA02	31	40	46	42	29	46	37	37	24	43	37	41	28	-
R3163	Residential	NCA02	30	41	39	37	21	46	33	35	23	41	33	40	27	-
R3164	Residential	NCA02	37	43	47	43	30	47	40	42	31	48	39	46	34	-
R3165	Residential	NCA02	26	35	36	33	18	39	27	29	17	37	28	35	23	-
R3166	Residential	NCA02	33	45	48	45	30	48	38	41	27	45	40	46	30	-
R3167	Residential	NCA02	27	36	38	34	20	40	30	32	19	38	30	37	24	-
R3168	Residential	NCA02	23	37	38	35	21	42	28	30	19	36	29	36	20	-
R3169	Residential	NCA02	30	38	42	40	24	42	35	37	23	41	34	40	27	-
R3170	Residential	NCA02	24	38	41	37	23	44	29	31	18	36	32	39	21	-
R3171	Residential	NCA02	26	36	37	33	20	40	32	34	20	39	30	37	23	-
R3172	Residential	NCA02	24	34	37	33	19	38	29	31	18	36	31	38	21	-
R3173	Residential	NCA02	24	38	39	36	22	41	28	30	19	36	31	36	21	-
R3174	Residential	NCA02	23	36	37	34	20	39	27	29	17	35	29	35	20	-
R3175	Residential	NCA02	29	36	40	36	22	44	34	35	22	40	33	40	26	-
R3176	Residential	NCA02	30	39	40	37	24	43	35	37	24	42	34	41	27	-
R3177	Residential	NCA02	30	42	48	44	29	48	33	35	24	41	39	46	27	-
R3178	Residential	NCA02	33	45	**49**	45	31	**49**	39	40	28	45	40	46	30	-
R3179	Residential	NCA02	29	43	44	43	26	47	35	36	25	41	36	43	26	-
R3180	Residential	NCA02	39	44	**49**	46	31	**49**	43	45	33	**50**	42	**49**	36	-
R3181	Residential	NCA02	32	44	**50**	47	33	**50**	40	41	29	44	41	46	29	-
R3182	Residential	NCA02	25	37	37	34	19	41	28	30	17	37	30	37	22	-
R3183	Residential	NCA02	24	36	37	34	20	41	26	28	17	35	30	37	21	-
R3184	Residential	NCA02	24	37	37	36	20	40	29	31	17	36	31	38	21	-
R3185	Residential	NCA02	26	37	38	35	21	41	31	33	22	38	31	37	23	-
R3186	Residential	NCA02	32	41	44	40	26	44	38	40	27	44	36	43	29	-
R3187	Residential	NCA02	26	34	36	33	19	39	31	33	19	38	30	36	23	-
R3188	Residential	NCA02	36	43	47	43	29	47	41	43	32	**49**	40	46	33	-
R3189	Residential	NCA02	31	41	43	40	25	45	37	39	23	42	38	42	28	-
R3190	Residential	NCA02	24	37	38	35	20	40	29	31	17	36	32	38	21	-
R3191	Residential	NCA02	33	42	46	42	29	46	39	41	28	45	38	44	30	-
R3192	Residential	NCA02	26	41	44	41	25	47	32	34	23	38	36	42	23	-
R3193	Residential	NCA02	36	41	46	42	29	45	39	41	31	47	38	45	33	-
R3194	Residential	NCA02	36	42	43	43	25	42	40	42	31	48	39	46	33	-
R3195	Residential	NCA02	26	37	38	36	20	43	31	33	19	38	32	38	23	-
R3196	Residential	NCA02	30	39	43	39	25	43	36	38	24	41	35	40	27	-
R3197	Residential	NCA02	26	35	37	35	19	40	31	33	22	38	31	37	23	-
R3198	Residential	NCA02	39	43	**49**	45	31	**49**	42	43	33	**50**	41	**49**	36	-
R3199	Residential	NCA02	25	33	38	34	21	38	30	32	19	37	29	36	22	-
R3200	Residential	NCA02	28	38	39	37	21	41	32	34	22	40	34	40	25	-
R3201	Residential	NCA02	29	41	42	40	24	46	34	36	24	41	35	42	26	-
R3202	Residential	NCA02	32	42	46	43	27	46	38	40	28	44	38	43	29	-
R3203	Residential	NCA02	33	42	45	42	28	45	38	40	28	45	37	43	30	-
R3204	Residential	NCA02	38	43	**49**	45	31	**49**	41	44	32	**50**	40	47	35	-
R3205	Residential	NCA02	27	42	44	42	26	45	33	35	24	39	36	42	24	-
R3206	Residential	NCA02	41	45	**49**	46	32	**49**	43	45	33	**52**	43	**50**	38	-
R3207	Residential	NCA02	26	35	35	31	18	38	29	31	18	37	29	36	23	-
R3208	Residential	NCA02	24	36	37	34	20	39	30	32	18	36	30	37	21	-
R3209	Residential	NCA02	36	41	44	43	25	44	39	41	31	48	39	46	33	-
R3210	Residential	NCA02	34	44	47	44	29	47	37	39	29	46	38	44	31	-
R3211	Residential	NCA02	28	41	44	40	25	44	34	37	23	40	35	41	25	-
R3212	Residential	NCA02	26	41	45	42	26	45	31	32	20	38	37	43	23	-
R3213	Residential	NCA02	35	44	**49**	45	30	**49**	41	42	31	47	40	46	32	-
R3214	Residential	NCA02	24	32	35	32	18	37	24	26	15	34	27	34	21	-
R3215	Residential	NCA02	25	39	42	38	20	43	31	32	19	37	33	37	22	-
R3216	Residential	NCA02	36	42	48	44	30	48	39	42	31	48	39	46	33	-
R3217	Residential	NCA02	28	42	42	40	24	48	32	34	20	39	36	43	25	-
R3218	Residential	NCA02	34	41	46	43	27	46	38	40	29	46	37	44	31	-
R3219	Residential	NCA02	28	37	40	37	21	41	33	35	23	40	34	41	25	-
R3220	Residential	NCA02	40	43	**49**	45	32	**49**	41	43	33	**52**	43	**49**	37	-
R3221	Residential	NCA02	31	42	42	40	24	43	37	39	26	43	36	42	28	-
R3222	Residential	NCA02	28	35	38	35	21	39	33	34	21	40	31	39	25	-
R3223	Residential	NCA02	34	43	45	44	28	47	37	39	28	45	39	46	31	-
R3224	Residential	NCA02	30	44	46	43	27	**50**	36	38	26	42	38	44	27	-
R3225	Residential	NCA02	28	43	43	41	24	45	34	35	24	40	34	40	25	-
R3226	Residential	NCA02	29	35	37	33	20	37	32	34	21	41	32	39	26	-
R3227	Residential	NCA02	26	37	37	34	19	40	31	34	20	37	30	36	23	-
R3228	Residential	NCA02	38	43	48	45	31	48	41	43	32	**49**	40	46	35	-
R3229	Residential	NCA02	25	37	37	34	20	40	28	30	17	36	28	35	22	-
R3230	Residential	NCA02	36	42	47	44	30	47	39	41	31	47	38	45	33	-
R3231	Residential	NCA02	35	45	**50**	46	32	**50**	39	41	29	46	40	48	32	-
R3232	Residential	NCA02	30	42	42	41	24	46	35	37	23	41	37	42	27	-
R3233	Residential	NCA02	27	36	37	36	20	39	31	33	21	39	30	37	24	-
R3234	Residential	NCA02	34	40	44	41	26	45	37	39	29	46	37	44	31	-
R3235	Residential	NCA02	33	42	45	42	28	46	36	38	27	45	37	43	30	-
R3236	Residential	NCA02	33	43	**49**	45	30	**49**	39	40	29	45	39	45	30	-
R3237	Residential	NCA02	25	33	35	32	18	39	26	29	15	35	27	34	22	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3238	Residential	NCA02	34	44	**49**	46	30	**49**	38	40	29	46	40	47	31	-
R3239	Residential	NCA02	33	44	47	43	30	47	39	40	30	45	38	45	30	-
R3240	Residential	NCA02	36	40	46	43	29	46	38	40	30	47	38	45	33	-
R3241	Residential	NCA02	35	45	**50**	46	32	**50**	40	42	31	47	41	48	32	-
R3242	Residential	NCA02	27	34	37	34	20	41	32	34	21	40	31	38	24	-
R3243	Residential	NCA02	36	43	48	45	30	47	41	43	32	48	40	47	33	-
R3244	Residential	NCA02	34	43	48	44	30	48	38	40	29	45	39	45	31	-
R3245	Residential	NCA02	27	39	40	38	22	42	33	34	21	39	34	40	24	-
R3246	Residential	NCA02	24	30	33	30	16	35	25	29	14	36	27	34	21	-
R3247	Residential	NCA02	32	41	43	41	26	44	33	35	25	44	35	42	29	-
R3248	Residential	NCA02	35	41	45	43	27	44	40	42	31	47	38	45	32	-
R3249	Residential	NCA02	25	34	37	35	19	40	28	30	17	36	30	38	22	-
R3250	Residential	NCA02	33	43	48	44	30	48	37	39	25	44	39	44	30	-
R3251	Residential	NCA02	29	39	39	36	21	44	34	36	24	41	33	39	26	-
R3252	Residential	NCA02	31	42	42	40	25	47	36	38	25	42	35	41	28	-
R3253	Residential	NCA02	29	41	46	43	30	47	34	36	24	41	38	45	26	-
R3254	Residential	NCA02	36	42	43	44	25	42	40	42	31	47	39	46	33	-
R3255	Residential	NCA02	26	35	36	33	19	38	30	32	19	38	29	36	23	-
R3256	Residential	NCA02	27	37	39	36	21	40	32	34	23	39	31	38	24	-
R3257	Industrial	NCA02	36	44	49	47	31	49	40	42	30	47	41	46	33	-
R3258	Residential	NCA02	32	44	46	41	26	46	36	37	24	43	36	42	29	-
R3259	Residential	NCA02	27	38	39	36	21	40	30	33	20	39	31	37	24	-
R3260	Residential	NCA02	22	38	37	36	19	41	26	28	18	34	30	35	19	-
R3261	Residential	NCA02	28	39	39	37	22	44	33	35	22	40	33	40	25	-
R3262	Residential	NCA02	29	36	41	37	24	41	34	34	23	41	33	40	26	-
R3263	Residential	NCA02	33	42	45	41	28	45	38	40	28	44	37	44	30	-
R3264	Residential	NCA02	32	42	45	41	27	44	38	39	27	44	37	42	29	-
R3265	Residential	NCA02	28	41	42	40	24	46	32	34	22	40	35	42	25	-
R3266	Residential	NCA02	36	41	42	44	25	42	40	41	31	47	38	45	33	-
R3267	Residential	NCA02	26	35	37	35	19	39	31	33	20	39	30	37	23	-
R3268	Residential	NCA02	25	41	46	41	28	46	28	31	18	35	35	42	22	-
R3269	Residential	NCA02	26	36	37	37	20	37	31	33	21	38	31	38	23	-
R3270	Residential	NCA02	30	43	43	39	25	48	37	38	25	42	35	41	27	-
R3271	Residential	NCA02	28	39	41	39	23	43	34	36	24	40	35	43	25	-
R3272	Residential	NCA02	32	43	44	42	27	45	36	38	25	44	36	42	29	-
R3273	Residential	NCA02	24	33	36	32	19	38	27	29	15	35	26	34	21	-
R3274	Residential	NCA02	29	43	45	41	26	**50**	35	37	24	41	36	42	26	-
R3275	Residential	NCA02	31	40	44	40	24	44	36	38	26	43	35	42	28	-
R3276	Residential	NCA02	23	29	33	29	17	35	25	27	16	35	26	33	20	-
R3277	Residential	NCA02	30	38	42	38	23	42	34	36	23	42	33	40	27	-
R3278	Residential	NCA02	26	37	38	36	21	40	32	34	22	38	31	38	23	-
R3279	Residential	NCA02	27	36	38	36	20	42	32	34	20	39	31	38	24	-
R3280	Residential	NCA02	22	35	36	34	19	38	29	31	16	34	29	35	19	-
R3281	Residential	NCA02	32	40	44	40	25	44	38	39	27	43	36	43	29	-
R3282	Residential	NCA02	26	37	37	34	19	41	30	32	19	37	29	35	23	-
R3283	Residential	NCA02	31	39	45	41	28	45	31	33	23	42	36	40	28	-
R3284	Residential	NCA02	37	42	47	44	26	47	40	42	31	48	39	46	34	-
R3285	Residential	NCA02	30	43	44	41	24	47	37	39	25	42	37	41	27	-
R3286	Residential	NCA02	32	41	46	42	27	46	37	39	26	43	37	44	29	-
R3287	Residential	NCA02	25	36	37	33	20	41	28	30	17	36	30	37	22	-
R3288	Residential	NCA02	29	38	44	40	27	44	32	35	20	41	34	40	26	-
R3289	Residential	NCA02	35	41	46	42	29	46	38	40	29	46	37	44	32	-
R3290	Residential	NCA02	25	38	36	36	19	41	29	31	17	37	28	35	22	-
R3291	Residential	NCA02	28	40	42	40	24	44	33	36	23	40	35	41	25	-
R3292	Residential	NCA02	27	38	42	38	21	42	33	35	22	40	35	42	24	-
R3293	Residential	NCA02	26	37	38	34	20	40	30	32	18	38	29	37	23	-
R3294	Residential	NCA02	24	34	35	32	18	38	28	30	16	36	27	34	21	-
R3295	Residential	NCA02	28	41	40	38	22	48	33	37	21	39	32	39	25	-
R3296	Residential	NCA02	23	32	35	32	18	37	26	28	16	35	28	35	20	-
R3297	Active recreation	NCA02	32	43	45	43	25	47	38	39	27	44	37	43	29	-
R3298	Residential	NCA02	38	43	48	45	31	48	41	43	32	**49**	40	47	35	-
R3299	Residential	NCA02	28	39	40	38	21	43	34	36	23	40	34	40	25	-
R3300	Residential	NCA02	37	43	**49**	45	31	**49**	42	44	32	**49**	41	48	34	-
R3301	Residential	NCA02	34	43	**49**	45	31	**49**	38	40	29	45	39	45	31	-
R3302	Residential	NCA02	35	41	42	42	24	43	39	41	29	46	38	45	32	-
R3303	Residential	NCA02	36	42	47	44	30	47	40	42	31	48	39	45	33	-
R3304	Residential	NCA02	35	41	47	42	28	46	39	41	30	46	38	45	32	-
R3305	Residential	NCA02	28	39	40	36	22	43	34	36	22	40	33	40	25	-
R3306	Residential	NCA02	26	36	37	35	20	40	30	32	19	37	29	36	23	-
R3307	Residential	NCA02	37	41	47	44	29	47	39	42	31	48	39	46	34	-
R3308	Residential	NCA02	35	42	48	44	31	48	39	41	30	46	39	46	32	-
R3309	Residential	NCA02	32	42	46	43	26	47	37	39	27	43	37	43	29	-
R3310	Residential	NCA02	36	41	46	42	28	46	39	41	30	47	38	45	33	-
R3311	Residential	NCA02	34	40	46	42	28	46	39	41	30	46	38	44	31	-
R3312	Residential	NCA02	34	43	47	43	30	47	37	39	28	46	38	45	31	-
R3313	Residential	NCA02	26	41	40	39	22	45	30	32	19	38	31	37	23	-
R3314	Residential	NCA02	37	43	**49**	45	32	**49**	41	43	32	48	40	47	34	-
R3315	Residential	NCA02	25	32	36	32	20	38	29	31	17	37	28	35	22	-
R3316	Residential	NCA02	27	39	42	38	23	42	33	35	22	40	33	40	24	-
R3317	Residential	NCA02	35	40	41	43	24	41	39	41	29	46	38	44	32	-
R3318	Residential	NCA02	34	41	47	43	29	47	39	41	29	45	38	45	31	-
R3319	Residential	NCA02	34	41	47	43	29	47	38	40	29	46	38	44	31	-
R3320	Residential	NCA02	30	44	45	43	26	**49**	35	37	26	41	38	44	27	-
R3321	Residential	NCA02	27	42	44	41	26	46	33	35	24	39	35	42	24	-
R3322	Residential	NCA02	31	40	45	42	28	45	35	37	25	42	36	43	28	-
R3323	Residential	NCA02	28	39	40	37	21	43	33	35	21	40	33	40	25	-
R3324	Residential	NCA02	25	37	35	32	18	40	30	32	20	37	29	36	22	-
R3325	Residential	NCA02	33	39	42	38	24	45	35	37	26	44	35	42	30	-
R3326	Residential	NCA02	35	42	**49**	44	30	48	40	42	31	47	39	46	32	-
R3327	Residential	NCA02	34	41	45	41	28	45	36	38	27	45	37	43	31	-
R3328	Residential	NCA02	26	35	36	33	19	41	30	32	19	38	29	36	23	-
R3329	Residential	NCA02	26	32	34	30	17	38	26	28	17	37	28	35	23	-
R3330	Residential	NCA02	27	35	37	35	20	41	32	32	21	40	31	38	24	-
R3331	Residential	NCA02	39	42	48	44	29	48	40	42	32	**49**	41	48	36	-
R3332	Residential	NCA02	23	35	36	33	18	38	27	29	15	35	27	34	20	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3333	Residential	NCA02	27	33	35	33	17	35	32	34	21	39	30	37	24	-
R3334	Residential	NCA02	32	42	47	43	29	47	37	39	26	44	38	45	29	-
R3335	Residential	NCA02	32	42	46	42	26	46	37	39	27	43	37	43	29	-
R3336	Residential	NCA02	33	42	**49**	45	30	**49**	35	37	27	44	40	42	30	-
R3337	Residential	NCA02	25	32	35	32	18	37	29	31	19	37	28	35	22	-
R3338	Residential	NCA02	28	38	40	36	21	44	33	35	21	40	32	39	25	-
R3339	Industrial	NCA02	34	43	48	44	29	48	39	40	29	46	40	45	31	-
R3340	Residential	NCA02	32	41	47	44	29	47	37	39	26	44	38	44	29	-
R3341	Residential	NCA02	27	41	44	41	25	46	33	35	23	39	35	42	24	-
R3342	Residential	NCA02	27	39	42	38	24	44	33	35	20	38	33	40	24	-
R3343	Residential	NCA02	28	40	41	38	22	44	34	35	23	40	34	41	25	-
R3344	Residential	NCA02	31	39	43	40	26	43	34	36	24	42	34	41	28	-
R3345	Residential	NCA02	25	34	35	31	17	40	30	32	20	37	29	36	22	-
R3346	Residential	NCA02	34	42	46	43	27	47	38	40	29	46	38	44	31	-
R3347	Residential	NCA02	33	39	41	38	24	41	36	38	28	45	36	43	30	-
R3348	Residential	NCA02	32	41	44	41	26	45	37	39	26	44	36	42	29	-
R3349	Residential	NCA02	31	38	43	39	26	43	33	35	24	42	34	40	28	-
R3350	Residential	NCA02	37	42	46	44	28	46	40	42	31	48	39	46	34	-
R3351	Residential	NCA02	31	38	43	40	27	43	34	36	25	42	34	41	28	-
R3352	Residential	NCA02	37	42	48	44	30	48	40	42	31	48	39	46	34	-
R3353	Residential	NCA02	27	35	37	35	19	40	31	33	19	39	30	37	24	-
R3354	Residential	NCA02	22	33	36	33	19	39	29	31	16	34	29	35	19	-
R3355	Residential	NCA02	28	38	41	40	21	43	33	35	23	40	35	41	25	-
R3356	Residential	NCA02	31	42	45	41	25	45	37	38	27	43	36	43	28	-
R3357	Residential	NCA02	28	40	39	36	21	46	34	36	23	40	33	39	25	-
R3358	Residential	NCA02	34	40	45	41	28	45	38	40	30	46	37	44	31	-
R3359	Residential	NCA02	34	40	46	42	29	46	38	40	30	46	37	44	31	-
R3360	Residential	NCA02	34	40	46	42	29	46	37	39	29	46	37	44	31	-
R3361	Residential	NCA02	26	34	36	34	19	39	30	32	19	37	29	36	23	-
R3362	Residential	NCA02	29	41	40	38	22	44	34	36	24	41	33	39	26	-
R3363	Residential	NCA02	26	34	37	34	20	40	31	33	18	38	30	37	23	-
R3364	Residential	NCA02	34	40	46	42	27	46	38	40	29	46	37	44	31	-
R3365	Residential	NCA02	27	37	38	37	20	41	29	31	19	39	32	39	24	-
R3366	Residential	NCA02	34	41	45	42	28	45	39	41	30	46	38	44	31	-
R3367	Residential	NCA02	29	38	41	38	24	41	35	37	23	41	33	40	26	-
R3368	Residential	NCA02	34	40	45	41	27	45	38	40	30	46	37	44	31	-
R3369	Residential	NCA02	25	36	39	35	20	39	30	32	18	36	31	38	22	-
R3370	Residential	NCA02	25	34	38	35	18	39	29	31	18	37	30	37	22	-
R3371	Residential	NCA02	28	36	38	35	20	42	31	33	19	40	31	38	25	-
R3372	Residential	NCA02	27	40	40	38	21	42	32	34	23	39	32	38	24	-
R3373	Residential	NCA02	34	39	42	40	25	44	36	39	28	46	37	43	31	-
R3374	Residential	NCA02	33	40	45	41	28	45	36	38	28	44	36	42	30	-
R3375	Residential	NCA02	25	35	36	34	18	39	31	33	19	37	29	35	22	-
R3376	Residential	NCA02	27	33	36	33	19	38	31	33	19	39	30	37	24	-
R3377	Residential	NCA02	28	38	39	36	21	44	32	34	21	40	32	39	25	-
R3378	Residential	NCA02	36	42	48	44	31	48	39	41	30	47	39	45	33	-
R3379	Residential	NCA02	26	35	36	33	19	39	29	31	18	36	29	36	23	-
R3380	Residential	NCA02	28	38	39	36	21	41	34	36	22	40	33	39	25	-
R3381	Residential	NCA02	31	40	46	42	26	46	33	35	24	42	37	42	28	-
R3382	Residential	NCA02	34	40	44	41	27	44	38	40	29	45	37	44	31	-
R3383	Residential	NCA02	31	38	41	38	23	42	34	36	26	43	34	41	28	-
R3384	Residential	NCA02	35	42	48	44	31	48	40	42	31	47	39	45	32	-
R3385	Residential	NCA02	20	32	33	30	17	38	23	25	14	32	24	31	17	-
R3386	Residential	NCA02	27	35	37	33	20	40	33	35	22	39	32	37	24	-
R3387	Residential	NCA02	38	43	47	44	30	47	41	42	31	48	41	47	35	-
R3388	Residential	NCA02	32	41	47	43	29	47	37	39	27	44	37	43	29	-
R3389	Residential	NCA02	25	34	36	32	19	42	27	29	16	37	27	34	22	-
R3390	Residential	NCA02	34	41	47	43	28	47	38	40	30	45	38	44	31	-
R3391	Residential	NCA02	20	32	36	34	19	37	27	29	15	32	29	36	17	-
R3392	Residential	NCA02	31	40	46	42	28	46	35	37	27	42	37	42	28	-
R3393	Residential	NCA02	23	32	34	31	16	37	28	30	16	35	27	34	20	-
R3394	Residential	NCA02	31	41	43	42	24	44	35	37	24	42	37	42	28	-
R3395	Residential	NCA02	26	39	37	33	19	44	30	32	19	38	29	36	23	-
R3396	Residential	NCA02	36	42	48	44	30	48	40	42	31	48	39	45	33	-
R3397	Residential	NCA02	32	40	45	41	28	46	36	39	27	43	36	42	29	-
R3398	Residential	NCA02	32	41	46	42	29	46	35	37	24	43	36	43	29	-
R3399	Residential	NCA02	37	42	48	44	31	48	40	42	31	48	39	46	34	-
R3400	Residential	NCA02	38	42	46	44	28	47	40	42	31	**49**	40	46	35	-
R3401	Residential	NCA02	31	41	44	40	25	44	37	38	27	42	36	42	28	-
R3402	Residential	NCA02	30	38	42	39	23	42	35	36	26	42	34	40	27	-
R3403	Residential	NCA02	32	40	45	41	28	45	35	37	25	43	36	43	29	-
R3404	Residential	NCA02	28	39	40	38	20	43	33	35	23	40	34	41	25	-
R3405	Residential	NCA02	33	40	44	41	26	44	37	39	29	45	36	43	30	-
R3406	Residential	NCA02	32	42	46	42	28	46	36	37	27	43	37	44	29	-
R3407	Residential	NCA02	34	41	47	43	29	47	38	41	30	45	38	45	31	-
R3408	Residential	NCA02	27	36	38	35	19	41	30	32	19	38	30	37	24	-
R3409	Residential	NCA02	29	38	38	35	21	38	34	36	23	41	32	39	26	-
R3410	Residential	NCA02	28	40	39	38	21	43	34	35	22	40	33	40	25	-
R3411	Residential	NCA02	32	43	46	43	29	46	37	39	25	43	38	42	29	-
R3412	Residential	NCA02	38	42	48	44	31	48	40	42	31	**49**	40	47	35	-
R3413	Industrial	NCA02	32	41	45	41	26	45	35	38	27	44	35	44	29	-
R3414	Residential	NCA02	32	42	47	41	27	45	35	37	26	44	36	42	29	-
R3415	Residential	NCA02	26	36	37	34	19	41	30	32	19	38	29	36	23	-
R3416	Residential	NCA02	35	41	47	43	30	47	39	41	30	46	38	44	32	-
R3417	Residential	NCA02	30	41	44	42	26	44	36	38	27	42	36	43	27	-
R3418	Residential	NCA02	31	42	44	41	25	44	33	35	22	42	36	41	28	-
R3419	Residential	NCA02	29	41	43	41	23	46	35	37	25	41	36	43	26	-
R3420	Residential	NCA02	25	34	35	31	18	39	31	33	21	39	30	37	22	-
R3421	Residential	NCA02	37	42	47	44	30	47	41	43	31	48	40	47	34	-
R3422	Residential	NCA02	33	39	43	39	25	41	37	39	29	45	36	43	30	-
R3423	Residential	NCA02	25	34	35	32	18	37	27	29	16	37	28	35	22	-
R3424	Residential	NCA02	28	41	44	40	23	46	34	36	24	40	36	43	25	-
R3425	Residential	NCA02	30	36	39	36	21	40	35	36	25	42	34	40	27	-
R3426	Residential	NCA02	33	41	46	42	29	46	35	37	26	44	36	42	30	-
R3427	Residential	NCA02	27	40	38	35	20	44	32	35	20	38	32	38	24	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3428	Residential	NCA02	34	42	46	43	29	46	38	40	29	46	38	44	31	-
R3429	Residential	NCA02	29	34	36	34	19	38	32	34	22	41	32	39	26	-
R3430	Residential	NCA02	39	42	47	45	30	47	41	43	31	**50**	41	48	36	-
R3431	Residential	NCA02	29	34	36	33	18	38	32	34	22	40	31	38	26	-
R3432	Residential	NCA02	35	42	45	43	25	44	40	42	30	46	38	45	32	-
R3433	Residential	NCA02	32	40	41	39	24	41	33	35	25	42	33	40	29	-
R3434	Residential	NCA02	30	38	41	38	25	41	34	36	24	42	33	40	27	-
R3435	Residential	NCA02	28	37	40	36	21	43	33	35	20	40	32	39	25	-
R3436	Residential	NCA02	37	42	48	44	31	48	40	42	31	48	39	46	34	-
R3437	Residential	NCA02	24	34	36	33	19	41	30	32	18	36	29	35	21	-
R3438	Residential	NCA02	35	41	47	43	29	47	39	41	30	47	38	45	32	-
R3439	Residential	NCA02	28	38	41	39	21	43	33	35	24	40	34	42	25	-
R3440	Residential	NCA02	26	36	38	34	21	39	26	28	18	37	30	38	23	-
R3441	Residential	NCA02	27	42	42	38	23	45	32	34	20	39	34	42	24	-
R3442	Residential	NCA02	27	35	37	36	19	40	32	34	19	39	31	38	24	-
R3443	Residential	NCA02	28	36	40	36	21	41	33	35	21	40	32	39	25	-
R3444	Residential	NCA02	29	40	43	39	25	45	34	36	23	40	35	41	26	-
R3445	Residential	NCA02	35	41	45	43	29	46	40	42	30	47	39	45	32	-
R3446	Residential	NCA02	26	38	43	39	26	43	28	29	19	38	34	37	23	-
R3447	Residential	NCA02	27	34	37	34	20	39	31	33	20	39	31	38	24	-
R3448	Residential	NCA02	32	41	45	42	25	45	36	38	27	44	37	42	29	-
R3449	Residential	NCA02	25	38	39	38	21	44	33	33	21	38	33	40	22	-
R3450	Residential	NCA02	33	41	46	42	28	46	37	39	28	44	37	44	30	-
R3451	Residential	NCA02	29	35	41	37	24	41	31	33	23	40	32	39	26	-
R3452	Residential	NCA02	34	40	46	42	29	46	38	40	29	46	37	44	31	-
R3453	Residential	NCA02	26	40	40	38	22	44	31	33	19	38	34	41	23	-
R3454	Residential	NCA02	37	41	44	41	26	44	38	40	28	**49**	40	46	34	-
R3455	Residential	NCA02	23	28	32	29	16	33	25	27	15	33	24	31	20	-
R3456	Residential	NCA02	26	35	36	32	19	39	29	31	18	37	29	36	23	-
R3457	Residential	NCA02	34	40	46	42	27	46	38	40	29	45	37	43	31	-
R3458	Residential	NCA02	28	37	38	35	19	40	32	34	19	40	31	38	25	-
R3459	Residential	NCA02	34	41	47	43	30	47	38	39	29	45	38	44	31	-
R3460	Residential	NCA02	30	38	41	38	24	43	36	38	25	42	33	40	27	-
R3461	Residential	NCA02	30	37	39	37	22	41	36	37	24	42	35	41	27	-
R3462	Residential	NCA02	24	36	35	31	18	38	27	29	17	36	27	34	21	-
R3463	Residential	NCA02	19	31	35	32	18	37	24	26	13	31	26	33	16	-
R3464	Residential	NCA02	28	37	37	35	20	41	33	35	22	40	32	39	25	-
R3465	Residential	NCA02	23	40	40	37	21	45	31	33	17	35	33	40	20	-
R3466	Residential	NCA02	37	42	48	43	30	48	40	42	30	**49**	40	47	34	-
R3467	Residential	NCA02	31	40	45	41	27	45	35	37	27	42	35	42	28	-
R3468	Residential	NCA02	35	42	47	43	29	47	38	41	30	47	38	45	32	-
R3469	Residential	NCA02	35	40	47	42	29	46	38	40	29	46	37	44	32	-
R3470	Residential	NCA02	31	40	44	41	27	44	35	37	26	43	36	41	28	-
R3471	Residential	NCA02	34	42	48	44	31	48	39	41	31	46	38	45	31	-
R3472	Residential	NCA02	23	38	37	34	19	44	28	30	16	34	29	35	20	-
R3473	Residential	NCA02	29	37	40	36	21	43	34	36	23	41	33	39	26	-
R3474	Residential	NCA02	22	31	34	31	17	36	26	28	16	34	27	33	19	-
R3475	Residential	NCA02	37	41	44	42	25	44	38	40	27	48	39	46	34	-
R3476	Residential	NCA02	27	40	47	43	29	47	32	34	22	40	36	39	24	-
R3477	Residential	NCA02	26	32	35	32	18	35	31	33	20	38	30	36	23	-
R3478	Residential	NCA02	34	41	46	43	27	46	38	40	29	46	37	44	31	-
R3479	Residential	NCA02	20	28	32	28	15	33	22	24	12	31	23	30	17	-
R3480	Residential	NCA02	31	40	45	41	27	45	36	37	26	43	35	42	28	-
R3481	Residential	NCA02	35	41	46	42	29	46	40	41	30	46	38	45	32	-
R3482	Residential	NCA02	37	42	47	44	30	47	41	42	30	48	40	46	34	-
R3483	Residential	NCA02	34	40	45	41	25	45	36	38	28	45	36	43	31	-
R3484	Residential	NCA02	35	41	46	42	29	46	38	40	29	46	37	45	32	-
R3485	Residential	NCA02	29	38	40	38	21	44	34	36	23	41	33	40	26	-
R3486	Residential	NCA02	33	40	45	41	25	45	36	38	28	44	36	43	30	-
R3487	Industrial	NCA02	32	40	47	43	26	47	36	38	27	44	37	44	29	-
R3488	Residential	NCA02	31	38	43	40	26	43	34	36	24	43	34	41	28	-
R3489	Residential	NCA02	30	41	43	40	26	44	36	38	25	42	37	42	27	-
R3490	Residential	NCA02	22	32	34	31	17	37	26	28	16	34	26	32	19	-
R3491	Residential	NCA02	29	38	38	37	20	43	34	36	23	41	34	40	26	-
R3492	Residential	NCA02	28	41	38	36	20	46	33	35	23	40	33	39	25	-
R3493	Residential	NCA02	29	37	40	37	21	41	33	35	22	41	32	39	26	-
R3494	Residential	NCA02	36	42	47	43	30	47	39	41	31	47	39	46	33	-
R3495	Residential	NCA02	28	36	36	33	19	41	33	35	22	40	32	39	25	-
R3496	Residential	NCA02	34	40	46	42	27	46	38	39	29	46	37	43	31	-
R3497	Residential	NCA02	27	37	38	34	19	43	32	34	21	39	31	38	24	-
R3498	Residential	NCA02	33	37	40	37	22	41	31	33	23	44	35	41	30	-
R3499	Residential	NCA02	32	41	47	43	30	47	34	36	26	43	38	45	29	-
R3500	Residential	NCA02	28	34	36	33	19	37	32	34	20	40	31	38	25	-
R3501	Residential	NCA02	31	40	46	42	28	46	35	37	27	43	37	42	28	-
R3502	Residential	NCA02	27	34	37	34	18	39	33	34	21	39	31	38	24	-
R3503	Residential	NCA02	38	42	47	44	30	47	41	43	31	**49**	40	47	35	-
R3504	Residential	NCA02	32	42	44	41	26	44	36	38	27	44	36	42	29	-
R3505	Residential	NCA02	30	39	42	39	24	42	35	37	26	42	34	41	27	-
R3506	Residential	NCA02	28	38	38	34	19	38	32	33	22	40	31	37	25	-
R3507	Residential	NCA02	38	42	47	43	30	47	40	42	31	**49**	40	47	35	-
R3508	Residential	NCA02	26	34	36	33	18	39	31	33	18	38	30	37	23	-
R3509	Residential	NCA02	29	40	45	41	27	44	36	36	24	40	35	42	26	-
R3510	Residential	NCA02	28	38	39	36	19	45	34	36	23	40	33	39	25	-
R3511	Residential	NCA02	29	36	40	35	20	40	34	36	23	41	33	39	26	-
R3512	Residential	NCA02	26	35	37	33	19	39	32	34	21	39	31	38	23	-
R3513	Residential	NCA02	32	39	43	41	26	44	37	39	29	44	36	43	29	-
R3514	Residential	NCA02	24	32	34	32	16	36	28	30	16	36	28	35	21	-
R3515	Residential	NCA02	27	35	37	34	19	40	30	32	19	38	30	36	24	-
R3516	Residential	NCA02	27	34	37	34	18	38	32	34	22	39	31	37	24	-
R3517	Residential	NCA02	33	39	41	41	24	42	37	39	28	44	36	43	30	-
R3518	Residential	NCA02	22	32	35	31	15	35	23	25	14	34	26	32	19	-
R3519	Residential	NCA02	31	42	47	42	29	47	36	38	26	43	38	43	28	-
R3520	Residential	NCA02	33	39	43	41	26	43	37	39	29	45	36	43	30	-
R3521	Residential	NCA02	30	40	43	39	24	43	35	37	24	42	34	41	27	-
R3522	Residential	NCA02	27	33	34	32	17	38	31	33	22	39	30	37	24	-

Predicted construction noise levels: Standard construction hours

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable / Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R3523	Residential	NCA02	29	36	42	38	25	42	29	31	20	41	32	38	26	-
R3524	Residential	NCA02	27	33	35	32	18	41	31	33	19	38	29	36	24	-
R3525	Residential	NCA02	30	39	41	40	21	41	34	36	23	41	35	41	27	-
R3526	Residential	NCA02	31	41	43	39	25	44	35	37	27	43	35	42	28	-
R3527	Residential	NCA02	32	38	43	39	26	42	36	38	27	43	35	42	29	-
R3528	Residential	NCA02	29	37	41	37	24	41	34	34	22	41	32	39	26	-
R3529	Residential	NCA02	29	37	40	38	24	40	34	35	23	40	32	39	26	-
R3530	Residential	NCA02	32	41	45	41	27	45	37	39	27	44	36	42	29	-
R3531	Residential	NCA02	29	38	40	38	23	42	35	37	26	41	33	40	26	-
R3532	Residential	NCA02	35	41	47	42	29	46	39	41	30	47	38	45	32	-
R3533	Residential	NCA02	23	35	36	32	19	41	28	30	17	35	27	34	20	-
R3534	Residential	NCA02	30	40	44	41	26	44	36	37	24	42	35	41	27	-
R3535	Residential	NCA02	32	39	44	40	26	45	34	36	26	43	35	41	29	-
R3536	Residential	NCA02	28	40	40	38	22	45	34	36	22	40	34	40	25	-
R3537	Residential	NCA02	32	38	41	38	24	41	36	38	26	43	35	41	29	-
R3538	Residential	NCA02	28	37	42	39	25	42	25	26	16	40	34	40	25	-
R3539	Residential	NCA02	33	41	46	40	27	46	37	39	27	44	36	42	30	-
R3540	Residential	NCA02	26	34	36	35	20	38	31	33	19	38	30	35	23	-
R3541	Residential	NCA02	35	40	43	39	23	43	35	37	26	46	37	43	32	-
R3542	Residential	NCA02	26	37	37	34	19	41	31	33	20	38	30	36	23	-
R3543	Residential	NCA02	28	41	45	41	27	45	34	36	23	40	37	43	25	-
R3544	Residential	NCA02	29	37	42	36	22	39	33	36	22	40	32	39	26	-
R3545	Residential	NCA02	27	40	43	40	24	43	35	37	25	39	36	42	24	-
R3546	Residential	NCA02	25	34	35	32	17	38	29	31	17	36	28	35	22	-
R3547	Residential	NCA02	27	35	36	35	18	38	31	33	20	38	31	37	24	-
R3548	Industrial	NCA02	29	42	48	44	28	48	31	33	23	40	39	43	26	-
R3549	Residential	NCA02	27	35	34	32	17	42	32	34	21	39	31	37	24	-
R3550	Residential	NCA02	30	35	39	37	20	39	33	35	24	42	33	40	27	-
R3551	Residential	NCA02	27	36	42	38	21	42	32	34	22	39	30	40	24	-
R3552	Residential	NCA02	31	37	41	38	23	41	36	38	25	42	35	40	28	-
R3553	Residential	NCA02	30	39	43	39	24	43	35	37	25	42	34	41	27	-
R3554	Residential	NCA02	24	33	34	31	16	34	31	33	22	36	30	37	21	-
R3555	Residential	NCA02	29	37	42	38	24	41	34	36	23	40	33	39	26	-
R3556	Residential	NCA02	32	39	41	40	23	41	35	37	26	44	36	42	29	-
R3557	Residential	NCA02	31	38	44	40	25	44	36	38	27	43	35	42	28	-
R3558	Residential	NCA02	26	37	36	34	18	40	30	31	19	37	28	35	23	-
R3559	Residential	NCA02	28	34	35	31	18	35	31	33	21	40	31	38	25	-
R3560	Residential	NCA02	28	35	36	34	20	38	32	35	24	40	31	38	25	-
R3561	Residential	NCA02	34	39	43	40	26	43	38	40	29	46	37	44	31	-
R3562	Residential	NCA02	26	37	37	34	19	42	33	35	21	37	31	37	23	-
R3563	Residential	NCA02	31	40	43	40	26	43	34	37	25	42	36	41	28	-
R3564	Residential	NCA02	29	40	38	38	21	43	34	36	24	40	34	41	26	-
R3565	Residential	NCA02	31	40	45	41	27	45	34	36	25	43	36	41	28	-
R3566	Residential	NCA02	27	34	34	33	18	35	32	34	22	39	31	38	24	-
R3567	Residential	NCA02	32	39	44	40	26	44	37	39	28	44	36	43	29	-
R3568	Residential	NCA02	31	39	43	39	26	43	32	35	25	43	34	41	28	-
R3569	Residential	NCA02	31	36	38	34	21	37	31	33	24	42	33	40	28	-
R3570	Residential	NCA02	31	37	43	39	25	43	35	37	26	43	34	41	28	-
R3571	Residential	NCA02	29	34	36	35	19	36	32	35	22	40	32	39	26	-
R3572	Residential	NCA02	29	39	42	40	23	43	35	36	25	41	35	41	26	-
R3573	Residential	NCA02	32	40	45	41	27	45	36	38	27	43	35	42	29	-
R3574	Residential	NCA02	26	32	34	33	17	38	30	31	21	37	29	35	23	-
R3575	Residential	NCA02	28	35	35	37	18	36	33	35	24	40	32	39	25	-
R3576	Residential	NCA02	19	30	33	30	16	35	23	25	14	30	24	31	16	-
R3577	Residential	NCA02	30	36	38	34	21	38	32	34	24	42	33	40	27	-
R3578	Residential	NCA02	31	37	43	39	24	43	34	36	25	43	34	41	28	-
R3579	Residential	NCA02	33	39	45	41	23	45	37	39	28	44	36	43	30	-
R3580	Residential	NCA02	28	34	38	34	19	38	31	32	21	40	31	38	25	-
R3581	Residential	NCA02	28	39	40	37	22	44	33	35	22	40	32	39	25	-
R3582	Residential	NCA02	29	39	40	38	22	44	35	37	25	41	34	40	26	-
R3583	Residential	NCA02	30	36	42	39	25	42	31	33	21	41	33	39	27	-
R3584	Residential	NCA02	30	40	43	41	25	43	34	36	25	41	36	43	27	-
R3585	Residential	NCA02	31	37	43	39	25	43	35	37	26	42	34	41	28	-
R3586	Residential	NCA02	31	37	37	33	19	37	31	33	23	43	34	41	28	-
R3587	Residential	NCA02	29	35	38	34	21	38	28	29	19	41	32	39	26	-
R3588	Residential	NCA02	31	40	46	42	28	46	35	37	27	43	37	41	28	-
R3589	Residential	NCA02	29	36	42	38	22	42	33	35	24	41	32	39	26	-
R3590	Residential	NCA02	27	38	40	36	23	40	32	34	23	39	31	37	24	-
R3591	Residential	NCA02	31	41	46	42	28	46	35	37	26	43	36	42	28	-
R3592	Residential	NCA02	31	40	45	41	27	45	34	36	26	42	35	42	28	-
R3593	Residential	NCA02	29	40	45	41	25	45	35	36	25	41	36	43	26	-
R3594	Residential	NCA02	30	41	46	42	28	46	36	37	27	42	36	42	27	-
R3595	Residential	NCA02	33	40	44	41	26	44	37	39	29	45	37	43	30	-
R3596	Residential	NCA02	29	34	38	34	18	40	33	33	22	40	31	38	26	-
R3597	Residential	NCA02	31	37	43	39	25	43	33	35	25	42	34	40	28	-
R3598	Residential	NCA02	21	40	44	41	27	44	24	25	14	33	36	41	18	-
R3599	Residential	NCA02	28	37	39	36	22	39	29	31	19	39	32	39	25	-
R3600	Residential	NCA02	28	35	39	35	19	39	33	33	22	40	31	38	25	-
R3601	Residential	NCA02	30	38	43	39	25	43	35	37	25	42	35	40	27	-
R3602	Residential	NCA02	32	39	44	40	26	44	36	38	28	43	35	42	29	-
R3603	Residential	NCA02	29	36	40	37	22	40	33	33	21	40	33	38	26	-
R3604	Residential	NCA02	28	37	42	37	23	42	34	36	23	39	32	38	25	-
R3605	Residential	NCA02	30	39	42	39	24	43	34	36	25	42	33	40	27	-
R3606	Residential	NCA02	29	37	40	36	22	39	32	35	23	41	32	39	26	-
R3607	Residential	NCA02	29	37	42	38	24	42	32	34	23	40	33	39	26	-
R3608	Residential	NCA02	28	36	39	37	22	39	33	35	23	40	32	38	25	-
R3609	Residential	NCA02	29	35	39	36	23	40	32	34	24	41	32	39	26	-
R3610	Residential	NCA02	28	38	42	39	24	42	33	35	24	40	33	39	25	-
R3611	Residential	NCA02	28	38	40	39	22	41	32	34	23	40	34	38	25	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0001	Residential	NCA03	31	40	41	37	21	41	34	36	24	**46**	38	**46**	28	-
R0002	Residential	NCA03	34	38	42	38	24	42	34	36	25	42	37	**44**	31	-
R0003	Residential	NCA03	32	39	42	38	24	42	35	37	25	**46**	37	**44**	29	-
R0004	Residential	NCA03	32	38	42	38	23	42	35	36	25	**45**	38	**44**	29	-
R0005	Residential	NCA03	35	40	42	38	23	41	35	37	25	**46**	39	**46**	32	-
R0006	Residential	NCA03	32	39	42	38	23	42	34	36	25	**44**	38	**45**	29	-
R0007	Residential	NCA03	31	40	41	38	23	42	34	36	25	**44**	38	**45**	28	-
R0008	Residential	NCA03	30	40	42	38	23	42	35	36	25	**44**	39	**45**	27	-
R0009	Residential	NCA03	32	41	42	38	23	42	34	36	25	**44**	40	**46**	29	-
R0010	Residential	NCA03	31	40	42	38	24	42	34	37	25	**45**	39	**45**	28	-
R0011	Residential	NCA03	34	39	**43**	39	25	**43**	36	38	27	**45**	38	**44**	31	-
R0012	Residential	NCA03	29	41	42	38	24	42	35	36	25	**45**	39	**46**	26	-
R0013	Residential	NCA03	29	39	42	38	23	42	34	36	25	39	37	**44**	26	-
R0014	Residential	NCA03	33	40	**43**	39	25	**43**	36	38	27	**44**	37	**44**	30	-
R0015	Residential	NCA03	30	40	42	38	23	42	34	36	24	**45**	39	**46**	27	-
R0016	Residential	NCA03	36	42	**43**	39	24	**43**	36	38	26	**46**	40	**46**	33	-
R0017	Residential	NCA03	34	38	42	38	24	42	35	36	25	**43**	35	42	31	-
R0018	Residential	NCA03	33	41	42	38	24	42	35	36	25	**45**	40	**47**	30	-
R0019	Residential	NCA03	33	39	**43**	39	25	**43**	35	37	27	**44**	37	**44**	30	-
R0020	Residential	NCA03	30	39	42	38	22	42	34	36	26	42	38	**45**	27	-
R0021	Residential	NCA03	32	41	**43**	39	25	42	35	37	25	**45**	38	**44**	29	-
R0022	Residential	NCA03	34	42	41	38	23	41	34	36	25	**47**	40	**47**	31	-
R0023	Residential	NCA03	33	39	**43**	39	25	**43**	36	38	27	**44**	37	**43**	30	-
R0024	Residential	NCA03	34	41	42	38	25	42	34	36	26	**47**	40	**47**	31	-
R0025	Residential	NCA03	32	42	**43**	39	24	**43**	35	37	26	42	40	**46**	29	-
R0026	Residential	NCA03	32	40	41	37	23	40	33	35	25	**45**	38	**45**	29	-
R0027	Residential	NCA03	35	40	41	37	23	40	34	36	25	**46**	39	**46**	32	-
R0028	Residential	NCA03	33	42	42	38	23	42	35	36	25	**45**	40	**47**	30	-
R0029	Residential	NCA03	32	40	41	38	24	42	33	35	24	**46**	38	**45**	29	-
R0030	Residential	NCA03	34	41	**43**	39	25	**43**	36	38	27	**46**	39	**46**	31	-
R0031	Residential	NCA03	32	40	**43**	39	25	**43**	35	37	26	41	39	**46**	29	-
R0032	Residential	NCA03	33	41	**43**	39	24	**43**	36	37	26	**46**	40	**47**	30	-
R0033	Residential	NCA03	31	40	41	37	22	41	33	34	24	**44**	38	**44**	28	-
R0034	Residential	NCA03	32	41	**43**	39	25	**43**	36	37	27	**44**	38	**45**	29	-
R0035	Residential	NCA03	34	41	40	36	21	40	34	36	25	**46**	39	**46**	31	-
R0036	Residential	NCA03	33	41	**43**	39	25	**43**	36	38	27	**46**	39	**46**	30	-
R0037	Residential	NCA03	34	41	**43**	39	26	**44**	36	38	27	**46**	38	**45**	31	-
R0038	Residential	NCA03	32	40	**43**	39	24	**43**	36	37	27	**45**	38	**45**	29	-
R0039	Residential	NCA03	32	40	41	37	23	41	33	35	23	**45**	39	**46**	29	-
R0040	Residential	NCA03	34	42	**43**	39	25	**43**	35	37	26	**47**	39	**46**	31	-
R0041	Residential	NCA03	34	**43**	42	38	22	42	34	36	25	**43**	40	**47**	31	-
R0042	Residential	NCA03	37	42	**43**	39	24	**43**	36	38	25	**47**	40	**47**	34	-
R0043	Residential	NCA03	34	41	**44**	40	25	**44**	36	38	27	**47**	39	**46**	31	-
R0044	Residential	NCA03	33	39	**43**	39	25	42	36	38	26	**43**	37	**43**	30	-
R0045	Residential	NCA03	31	39	**43**	40	25	**43**	36	37	27	**43**	36	**43**	28	-
R0046	Residential	NCA03	33	37	41	37	23	41	34	36	24	**43**	36	**43**	30	-
R0047	Residential	NCA03	33	41	**44**	40	24	**43**	36	38	27	**46**	39	**46**	30	-
R0048	Residential	NCA03	34	42	42	38	23	41	34	36	25	41	40	**47**	31	-
R0049	Residential	NCA03	31	39	41	37	23	40	34	35	24	**44**	39	**46**	28	-
R0050	Residential	NCA03	34	41	**43**	40	25	**43**	37	39	26	**45**	39	**46**	31	-
R0051	Residential	NCA03	33	37	41	38	24	41	35	36	25	**44**	34	42	30	-
R0052	Residential	NCA03	34	41	42	38	24	42	36	38	26	**45**	38	**45**	31	-
R0053	Residential	NCA03	33	41	**43**	39	25	**43**	35	37	25	**47**	40	**47**	30	-
R0054	Residential	NCA03	35	41	**44**	40	26	**44**	36	38	27	**46**	39	**46**	32	-
R0055	Residential	NCA03	35	40	42	38	24	42	34	36	25	**47**	39	**46**	32	-
R0056	Residential	NCA03	34	42	**44**	40	26	**44**	37	39	28	**46**	40	**46**	31	-
R0057	Residential	NCA03	34	41	**43**	39	24	**43**	36	38	27	**46**	40	**47**	31	-
R0058	Residential	NCA03	33	**43**	42	38	24	42	34	36	26	**47**	41	**48**	30	PN
R0059	Residential	NCA03	33	40	**43**	39	24	**43**	36	38	26	**44**	39	**45**	30	-
R0060	Residential	NCA03	34	41	**43**	39	25	**43**	36	37	26	**47**	39	**46**	31	-
R0061	Residential	NCA03	33	42	**43**	39	25	42	36	38	27	**46**	40	**46**	30	-
R0062	Residential	NCA03	35	40	**43**	39	24	**43**	35	37	26	**46**	38	**45**	32	-
R0063	Residential	NCA03	35	40	**43**	39	25	**43**	36	38	26	**46**	39	**46**	32	-
R0064	Residential	NCA03	33	41	42	40	25	41	37	39	27	**45**	39	**46**	30	-
R0065	Residential	NCA03	35	42	**43**	39	24	**43**	36	38	26	**46**	40	**47**	32	-
R0066	Residential	NCA03	33	**43**	**43**	39	25	**43**	35	37	26	**48**	41	**48**	30	PN
R0067	Residential	NCA03	35	**43**	42	38	23	41	35	37	25	**47**	41	**48**	32	PN
R0068	Residential	NCA03	34	**43**	**43**	39	25	42	35	37	26	**48**	41	**48**	31	PN
R0069	Residential	NCA03	33	42	**44**	40	25	**44**	37	38	27	**47**	40	**46**	30	-
R0070	Residential	NCA03	38	**43**	35	31	18	34	27	29	19	**44**	40	**47**	35	-
R0071	Residential	NCA03	33	41	41	37	23	41	34	36	25	**46**	39	**46**	30	-
R0072	Residential	NCA03	33	32	34	31	15	34	26	28	16	37	30	37	30	-
R0073	Residential	NCA03	33	34	38	33	19	37	29	31	21	42	32	39	30	-
R0074	Residential	NCA03	36	42	**44**	40	26	**45**	37	39	27	**46**	39	**46**	33	-
R0075	Residential	NCA03	36	**43**	**45**	41	26	**45**	38	40	27	**49**	41	**48**	33	PN
R0076	Residential	NCA03	36	41	**45**	41	27	**45**	38	40	28	**47**	39	**47**	33	-
R0077	Residential	NCA03	35	42	**44**	40	25	**44**	38	39	27	**47**	39	**47**	32	-
R0078	Residential	NCA03	33	42	42	38	23	42	34	36	25	**47**	40	**47**	30	-
R0079	Residential	NCA03	31	38	41	37	23	41	33	35	25	**43**	39	**45**	28	-
R0080	Residential	NCA03	33	42	**45**	41	25	**44**	37	39	26	**46**	38	**45**	30	-
R0081	Residential	NCA03	36	**43**	**46**	42	27	**45**	38	40	28	**48**	40	**46**	33	PN
R0082	Residential	NCA03	37	37	39	35	22	39	31	33	21	41	35	42	34	-
R0083	Residential	NCA03	30	37	42	38	24	41	35	37	26	41	34	41	27	-
R0084	Residential	NCA03	36	39	40	36	22	40	32	34	23	42	36	**43**	33	-
R0085	Residential	NCA03	36	42	**43**	39	25	**43**	35	37	26	**47**	39	**46**	33	-
R0086	Residential	NCA03	33	**43**	**45**	42	27	**45**	39	40	29	**44**	39	**45**	30	-
R0087	Residential	NCA03	32	39	42	38	24	42	35	36	25	**46**	39	**46**	29	-
R0088	Residential	NCA03	29	38	39	36	22	39	32	34	24	**43**	38	**45**	26	-
R0089	Residential	NCA03	34	42	**43**	39	24	**43**	35	37	26	**47**	39	**46**	31	-
R0090	Residential	NCA03	36	41	**43**	39	25	**43**	35	37	26	**47**	40	**48**	33	PN
R0091	Residential	NCA03	33	42	**44**	41	25	**45**	37	39	27	**45**	40	**47**	30	-
R0092	Residential	NCA03	33	42	**45**	42	27	**45**	39	41	28	**48**	40	**47**	30	PN
R0093	Residential	NCA03	33	42	**43**	40	23	42	37	38	27	**46**	40	**47**	30	-
R0094	Residential	NCA03	33	40	40	36	22	40	33	35	24	**47**	39	**46**	30	-
R0095	Residential	NCA03	34	**43**	**44**	40	25	**44**	36	38	27	**47**	41	**48**	31	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0096	Residential	NCA03	33	41	**43**	40	25	**44**	36	38	27	**44**	40	**47**	30	-
R0097	Residential	NCA03	35	42	**43**	40	25	**43**	37	38	26	**47**	40	**47**	32	-
R0098	Residential	NCA03	35	**43**	**43**	40	24	42	36	38	26	**46**	41	**48**	32	PN
R0099	Residential	NCA03	34	**43**	**43**	40	25	**44**	36	38	27	**46**	40	**47**	31	-
R0100	Residential	NCA03	32	42	41	37	23	39	33	35	24	**46**	40	**47**	29	-
R0101	Residential	NCA03	35	42	41	37	23	41	34	36	25	**46**	39	**47**	32	-
R0102	Residential	NCA03	36	**44**	**45**	42	27	**45**	39	41	29	**49**	40	**47**	33	PN
R0103	Residential	NCA03	36	40	**43**	39	25	**43**	36	37	26	**47**	38	**45**	33	-
R0104	Residential	NCA03	33	40	42	38	24	42	34	36	26	**47**	39	**46**	30	-
R0105	Residential	NCA03	34	**43**	**44**	41	25	**44**	38	39	27	**47**	41	**48**	31	PN
R0106	Residential	NCA03	35	**43**	**44**	40	25	**44**	36	38	26	**46**	41	**48**	32	PN
R0107	Residential	NCA03	35	42	42	38	24	41	34	36	25	**47**	40	**47**	32	-
R0108	Residential	NCA03	37	**43**	**45**	41	26	**45**	38	40	28	**48**	40	**46**	34	PN
R0109	Residential	NCA03	39	42	**43**	39	24	41	36	37	25	**46**	40	**47**	36	-
R0110	Residential	NCA03	30	38	**43**	39	25	**43**	36	37	27	42	35	42	27	-
R0111	Residential	NCA03	34	**43**	**46**	42	27	**46**	39	41	28	**47**	41	**48**	31	PN
R0112	Residential	NCA03	35	42	**45**	41	25	**45**	37	39	28	**48**	40	**47**	32	PN
R0113	Residential	NCA03	34	35	41	37	24	41	33	35	22	42	34	41	31	-
R0114	Residential	NCA03	38	**44**	**43**	40	24	**43**	37	39	26	**48**	41	**48**	35	PN
R0115	Residential	NCA03	37	**43**	**43**	39	25	42	36	38	26	**48**	41	**48**	34	PN
R0116	Residential	NCA03	36	**43**	**45**	41	26	**43**	38	40	28	**47**	40	**47**	33	-
R0117	Residential	NCA03	35	**43**	**44**	41	26	**44**	37	39	28	**48**	41	**47**	32	PN
R0118	Residential	NCA03	35	41	42	38	24	41	35	36	26	**45**	40	**47**	32	-
R0119	Residential	NCA03	32	42	42	38	24	42	35	37	26	**45**	41	**48**	29	PN
R0120	Residential	NCA03	35	42	**44**	41	25	**44**	38	40	28	**47**	41	**48**	32	PN
R0121	Residential	NCA03	32	**43**	**45**	41	26	**45**	37	39	27	**44**	40	**48**	29	PN
R0122	Residential	NCA03	34	40	41	37	23	40	34	36	24	**43**	38	**43**	31	-
R0123	Residential	NCA03	35	41	**44**	40	26	**44**	37	39	28	**49**	40	**47**	32	PN
R0124	Residential	NCA03	36	**44**	**44**	41	25	**44**	37	39	28	**49**	41	**47**	33	PN
R0125	Residential	NCA03	35	41	**44**	40	25	**44**	37	38	27	**47**	38	**46**	32	-
R0126	Residential	NCA03	38	**46**	**46**	**43**	27	**47**	39	41	29	**48**	42	**49**	35	PN
R0127	Residential	NCA03	37	42	**46**	42	27	**45**	38	40	29	**49**	40	**47**	34	PN
R0128	Residential	NCA03	34	**43**	**44**	40	25	**43**	37	39	26	**48**	40	**47**	31	PN
R0129	Residential	NCA03	35	39	41	37	23	40	34	36	25	**45**	39	**46**	32	-
R0130	Residential	NCA03	35	**43**	**45**	41	26	**43**	37	39	27	**46**	41	**48**	32	PN
R0131	Residential	NCA03	35	**43**	**44**	41	25	**44**	37	39	28	**47**	41	**48**	32	PN
R0132	Residential	NCA03	35	**43**	**44**	40	25	**44**	37	39	27	**48**	40	**47**	32	PN
R0133	Residential	NCA03	35	**44**	**43**	39	25	**43**	36	38	27	**49**	41	**48**	32	PN
R0134	Residential	NCA03	41	**46**	**47**	**44**	28	**48**	40	42	30	**49**	42	**49**	38	PN
R0135	Residential	NCA03	33	42	41	38	23	40	34	36	25	**43**	39	**46**	30	-
R0136	Residential	NCA03	39	**44**	**43**	39	25	42	35	37	25	**47**	40	**47**	36	-
R0137	Residential	NCA03	36	**44**	**45**	41	26	**44**	38	40	28	**48**	40	**48**	33	PN
R0138	Residential	NCA03	38	**44**	**46**	42	27	**46**	39	41	29	**48**	41	**47**	35	PN
R0139	Residential	NCA03	35	**45**	**45**	41	26	**45**	38	40	27	**47**	42	**49**	32	PN
R0140	Residential	NCA03	41	**46**	**49**	**44**	28	**50**	41	**43**	30	**49**	42	**49**	38	PN
R0141	Residential	NCA03	36	**44**	**44**	40	25	**43**	36	38	27	**49**	41	**48**	33	PN
R0142	Residential	NCA03	38	**43**	**43**	39	25	42	36	38	27	**48**	42	**49**	35	PN
R0143	Residential	NCA03	35	**44**	**44**	40	25	**44**	36	38	27	**48**	42	**49**	32	PN
R0144	Residential	NCA03	38	**45**	**47**	**43**	27	**46**	39	41	29	**48**	42	**48**	35	PN
R0145	Residential	NCA03	30	36	41	37	22	39	33	35	24	40	33	39	27	-
R0146	Residential	NCA03	37	**44**	**49**	**45**	28	**48**	40	42	32	**48**	41	**48**	34	PN
R0147	Residential	NCA03	30	34	35	31	17	35	28	30	18	37	32	39	27	-
R0148	Residential	NCA03	33	41	42	38	24	42	35	36	26	**48**	41	**47**	30	PN
R0149	Residential	NCA03	36	**43**	**45**	41	26	**44**	38	40	28	**48**	41	**48**	33	PN
R0150	Residential	NCA03	39	42	41	37	23	40	33	36	25	**45**	39	**46**	36	-
R0151	Residential	NCA03	35	**44**	**43**	39	24	**43**	36	38	26	**49**	42	**49**	32	PN
R0152	Residential	NCA03	41	**46**	**49**	**43**	28	**49**	41	**43**	30	**51**	42	**49**	38	PN
R0153	Residential	NCA03	32	**43**	**46**	42	26	**46**	39	41	28	**48**	40	**47**	29	PN
R0154	Residential	NCA03	33	**43**	41	37	24	41	34	36	25	**47**	41	**48**	30	PN
R0155	Residential	NCA03	37	41	40	36	23	40	33	35	24	42	39	**44**	34	-
R0156	Residential	NCA03	34	**44**	**44**	40	24	42	36	38	26	**47**	42	**48**	31	PN
R0157	Residential	NCA03	39	**45**	**44**	40	25	42	36	38	25	**48**	41	**49**	36	PN
R0158	Residential	NCA03	35	42	**45**	41	26	**45**	38	39	28	**49**	40	**47**	32	PN
R0159	Residential	NCA03	36	**43**	**44**	39	26	**43**	36	38	27	**49**	41	**48**	33	PN
R0160	Residential	NCA03	35	**43**	**45**	41	26	**45**	38	40	28	**48**	41	**48**	32	PN
R0161	Residential	NCA03	36	**43**	**45**	41	26	**45**	37	39	28	**48**	41	**48**	33	PN
R0162	Residential	NCA03	37	40	40	36	22	39	33	35	23	**43**	39	**46**	34	-
R0163	Residential	NCA03	36	42	**44**	40	26	**44**	38	39	28	**48**	41	**48**	33	PN
R0164	Residential	NCA03	36	**44**	**43**	39	25	42	36	38	27	**49**	42	**49**	33	PN
R0165	Residential	NCA03	33	**43**	**44**	40	25	**44**	37	39	27	**48**	41	**48**	30	PN
R0166	Residential	NCA03	37	**43**	**45**	41	26	**45**	38	40	28	**49**	41	**48**	34	PN
R0167	Residential	NCA03	39	**44**	**43**	39	25	42	36	38	26	**48**	42	**49**	36	PN
R0168	Residential	NCA03	35	**43**	**45**	41	26	**45**	37	40	28	**47**	41	**48**	32	PN
R0169	Residential	NCA03	35	**44**	**44**	40	25	**44**	37	38	27	**46**	42	**48**	32	PN
R0170	Residential	NCA03	41	**46**	**49**	**43**	28	**50**	41	**43**	30	**51**	**43**	**50**	38	PN
R0171	Residential	NCA03	35	**46**	42	38	23	42	34	36	24	**49**	**43**	**50**	32	PN
R0172	Residential	NCA03	34	**44**	**43**	40	24	42	37	38	27	**46**	42	**49**	31	PN
R0173	Residential	NCA03	38	**45**	42	39	24	42	35	37	26	**48**	42	**49**	35	PN
R0174	Residential	NCA03	41	**46**	**49**	**45**	28	**49**	41	**43**	33	**51**	**43**	**50**	38	PN
R0175	Residential	NCA03	37	40	40	37	23	38	34	35	24	**45**	40	**47**	34	-
R0176	Residential	NCA03	35	42	**43**	39	25	**43**	36	37	26	**48**	39	**46**	32	PN
R0177	Residential	NCA03	41	**46**	**49**	**45**	28	**49**	41	**43**	32	**50**	**43**	**49**	38	PN
R0178	Residential	NCA03	30	**44**	**45**	42	26	**46**	39	41	27	42	40	**47**	27	-
R0179	Residential	NCA01	33	41	**47**	43	30	**47**	39	41	31	**45**	38	**45**	30	-
R0180	Residential	NCA03	35	**44**	**44**	40	25	**44**	36	38	27	**48**	41	**46**	32	PN
R0181	Residential	NCA03	36	**43**	42	38	24	41	34	36	26	**46**	40	**46**	33	-
R0182	Residential	NCA03	39	**46**	**49**	**45**	29	**48**	41	**43**	32	**50**	42	**49**	36	PN
R0183	Residential	NCA03	34	**44**	**44**	40	25	**43**	37	38	27	**47**	42	**49**	31	PN
R0184	Residential	NCA03	34	**45**	**45**	41	25	**45**	38	40	28	**46**	**43**	**50**	31	PN
R0185	Residential	NCA03	35	**43**	**48**	**43**	27	**47**	39	41	31	**45**	41	**48**	32	PN
R0186	Residential	NCA01	33	42	**47**	**44**	29	**47**	39	41	29	**45**	39	**46**	30	-
R0187	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	40	42	29	**50**	42	**49**	34	PN
R0188	Residential	NCA03	37	**45**	**46**	**43**	27	**46**	40	**43**	29	**50**	42	**49**	34	PN
R0189	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	43	32	**46**	41	**48**	32	PN
R0190	Residential	NCA03	38	**43**	**43**	40	25	**43**	37	39	27	**49**	42	**50**	35	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0191	Residential	NCA03	37	**45**	**46**	42	27	**46**	39	41	29	**50**	**43**	**49**	34	PN
R0192	Residential	NCA01	33	41	**47**	43	29	**47**	39	40	30	**44**	38	**45**	30	-
R0193	Residential	NCA03	36	**45**	**44**	40	26	**43**	36	38	28	**49**	**43**	**50**	33	PN
R0194	Residential	NCA03	41	**48**	**44**	41	25	**43**	37	39	27	**50**	**45**	**49**	38	PN
R0195	Residential	NCA03	37	**46**	**46**	42	27	**46**	38	40	29	**50**	**43**	**49**	34	PN
R0196	Residential	NCA01	33	41	**47**	43	29	**47**	39	40	29	**44**	38	**45**	30	-
R0197	Residential	NCA03	38	**47**	**48**	**45**	29	**48**	41	**43**	31	**51**	**43**	**50**	35	PN
R0198	Residential	NCA03	33	41	42	39	25	41	35	37	26	**48**	39	**47**	30	PN
R0199	Residential	NCA03	37	**45**	**47**	**43**	27	**49**	41	**43**	29	**50**	42	**49**	34	PN
R0200	Residential	NCA03	38	**45**	**43**	40	25	**43**	37	39	28	**49**	42	**49**	35	PN
R0201	Residential	NCA01	33	41	**47**	**44**	30	**47**	39	41	29	**44**	39	**46**	30	-
R0202	Residential	NCA03	38	**46**	**50**	**46**	28	**50**	41	**44**	30	**51**	**43**	**50**	35	PN
R0203	Residential	NCA03	36	**44**	**44**	40	25	**44**	37	38	27	**49**	42	**49**	33	PN
R0204	Residential	NCA01	33	43	**48**	**45**	30	**48**	39	40	30	**44**	40	**46**	30	-
R0205	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	40	42	29	**50**	42	**48**	34	PN
R0206	Residential	NCA01	34	42	**47**	**44**	29	**48**	40	41	30	**45**	39	**46**	31	-
R0207	Residential	NCA03	37	**44**	**46**	**43**	27	**46**	40	41	29	**47**	40	**47**	34	-
R0208	Residential	NCA03	35	**45**	**44**	40	25	**43**	36	38	27	**49**	**43**	**50**	32	PN
R0209	Residential	NCA01	34	42	**47**	**44**	30	**47**	40	42	31	**45**	39	**46**	31	-
R0210	Residential	NCA03	37	**43**	**45**	**43**	27	**48**	40	42	30	**50**	41	**48**	34	PN
R0211	Residential	NCA03	36	42	42	38	24	41	35	37	26	**48**	40	**46**	33	PN
R0212	Residential	NCA01	34	43	**48**	**45**	30	**48**	39	41	30	**45**	40	**47**	31	-
R0213	Residential	NCA03	35	**45**	**44**	40	23	42	37	38	27	**48**	**43**	**50**	32	PN
R0214	Residential	NCA01	34	42	**48**	**45**	29	**48**	40	42	30	**45**	39	**46**	31	-
R0215	Residential	NCA03	36	42	**46**	**43**	27	**48**	40	42	30	**48**	40	**47**	33	PN
R0216	Residential	NCA01	36	**44**	**49**	**46**	31	**49**	41	43	31	**47**	41	**47**	33	PN
R0217	Residential	NCA03	34	42	42	39	25	42	35	37	26	**49**	40	**47**	31	PN
R0218	Medical facility	NCA03	31	36	37	33	20	36	29	31	21	38	33	40	28	-
R0219	Residential	NCA01	33	41	**48**	**44**	28	**47**	38	40	29	**44**	39	**46**	30	-
R0220	Residential	NCA03	36	41	**46**	42	27	**46**	38	40	28	**47**	39	**46**	33	-
R0221	Residential	NCA01	32	42	**48**	**44**	28	**48**	38	40	29	43	39	**45**	29	-
R0222	Residential	NCA03	38	**44**	**43**	40	25	42	37	39	28	**48**	42	**48**	35	PN
R0223	Residential	NCA03	41	**46**	**49**	**45**	28	**48**	41	**43**	30	**50**	**43**	**50**	38	PN
R0224	Residential	NCA03	33	**43**	42	38	24	41	34	36	25	**47**	41	**48**	30	PN
R0225	Residential	NCA01	35	43	**49**	**46**	31	**49**	40	42	31	**45**	40	**47**	32	PN
R0226	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	39	28	**47**	42	**49**	34	PN
R0227	Residential	NCA03	36	**45**	**45**	41	27	**45**	38	40	28	**47**	**43**	**50**	33	PN
R0228	Residential	NCA03	37	**44**	41	37	23	40	34	35	25	**47**	41	**48**	34	PN
R0229	Residential	NCA03	34	**44**	42	39	24	42	36	38	27	**48**	**43**	**49**	31	PN
R0230	Residential	NCA03	35	**43**	**43**	39	26	**43**	36	38	27	**50**	42	**48**	32	PN
R0231	Residential	NCA01	33	42	**48**	**44**	30	**48**	39	41	30	**44**	39	**46**	30	-
R0232	Medical facility	NCA03	37	40	40	37	22	39	33	35	24	45	39	46	34	-
R0233	Residential	NCA01	33	41	**48**	**44**	28	**48**	39	41	30	**45**	39	**46**	30	-
R0234	Residential	NCA01	32	42	**48**	**44**	30	**48**	39	41	30	43	39	**46**	29	-
R0235	Residential	NCA01	34	42	**48**	**45**	30	**48**	39	41	31	**45**	39	**46**	31	-
R0236	Residential	NCA03	37	**45**	**44**	40	25	**44**	37	39	28	**49**	**43**	**50**	34	PN
R0237	Residential	NCA03	42	**47**	**50**	**45**	29	**48**	41	**43**	30	**51**	**43**	**50**	39	PN
R0238	Residential	NCA01	34	43	**48**	**44**	30	**48**	39	41	31	**45**	39	**46**	31	-
R0239	Residential	NCA03	35	41	**43**	39	25	42	36	38	27	**48**	39	**46**	32	PN
R0240	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	40	29	**44**	39	**46**	30	-
R0241	Residential	NCA01	31	40	**46**	42	29	**46**	37	39	27	43	37	**44**	28	-
R0242	Residential	NCA03	33	41	42	38	24	40	35	36	26	**46**	41	**46**	30	-
R0243	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	42	**44**	32	**46**	41	**48**	32	PN
R0244	Residential	NCA01	33	41	**47**	43	28	**47**	39	41	29	**44**	38	**45**	30	-
R0245	Residential	NCA01	32	42	**48**	**45**	30	**48**	38	40	29	**44**	39	**47**	29	-
R0246	Residential	NCA03	35	**43**	**43**	39	25	41	36	37	26	**49**	41	**48**	32	PN
R0247	Residential	NCA01	33	42	**49**	**45**	29	**49**	39	41	30	**44**	40	**46**	30	PN
R0248	Residential	NCA01	32	41	**47**	43	28	**47**	38	39	27	**44**	38	**45**	29	-
R0249	Residential	NCA03	39	**48**	**50**	**44**	28	**48**	41	**43**	30	**51**	**45**	**50**	36	PN
R0250	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	43	32	**46**	41	**48**	32	PN
R0251	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	43	32	**46**	41	**48**	32	PN
R0252	Residential	NCA03	36	**43**	42	39	24	42	35	37	26	**49**	40	**47**	33	PN
R0253	Medical facility	NCA03	41	44	41	37	24	41	34	36	25	48	42	49	38	-
R0254	Residential	NCA03	36	**45**	**45**	41	26	**45**	37	39	28	**50**	**43**	**50**	33	PN
R0255	Residential	NCA01	33	43	**49**	**45**	30	**49**	39	41	31	**45**	40	**47**	30	PN
R0256	Residential	NCA01	29	39	**46**	42	27	**46**	34	35	23	41	37	**44**	26	-
R0257	Medical facility	NCA03	42	45	43	39	25	42	36	37	26	48	42	49	39	-
R0258	Residential	NCA03	36	**45**	**44**	40	26	**43**	37	39	28	**47**	**44**	**50**	33	PN
R0259	Residential	NCA03	40	**48**	**48**	**44**	29	**48**	40	42	31	**51**	**44**	**51**	37	PN
R0260	Residential	NCA01	36	43	**49**	**46**	30	**49**	41	43	31	**48**	41	**47**	33	PN
R0261	Residential	NCA01	34	42	**48**	**45**	29	**48**	40	42	31	**45**	39	**46**	31	-
R0262	Residential	NCA03	38	**47**	**47**	**44**	29	**48**	40	42	31	**51**	**43**	**50**	35	PN
R0263	Residential	NCA03	35	**43**	**44**	40	26	**43**	37	39	28	**49**	**43**	**50**	32	PN
R0264	Residential	NCA01	34	43	**48**	**45**	30	**49**	40	42	30	**45**	40	**47**	31	-
R0265	Residential	NCA01	31	39	**45**	41	28	**45**	37	39	24	42	36	43	28	-
R0266	Residential	NCA01	32	40	**47**	43	29	**47**	37	39	28	43	38	**45**	29	-
R0267	Residential	NCA01	34	43	**48**	**45**	30	**48**	40	42	31	**45**	40	**46**	31	-
R0268	Residential	NCA03	35	42	**43**	39	25	42	36	38	27	**49**	41	**48**	32	PN
R0269	Residential	NCA03	31	**45**	42	38	25	41	35	37	26	**46**	42	**49**	28	PN
R0270	Residential	NCA01	34	43	**49**	**46**	31	**49**	40	42	31	**45**	41	**47**	31	PN
R0271	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	43	31	**47**	41	**48**	32	PN
R0272	Residential	NCA01	34	**44**	**50**	**46**	31	**49**	40	42	30	**46**	41	**47**	31	PN
R0273	Residential	NCA01	36	43	**50**	**46**	31	**49**	41	43	32	**47**	41	**48**	33	PN
R0274	Residential	NCA03	35	40	**43**	39	25	42	35	37	26	**47**	37	**44**	32	-
R0275	Residential	NCA03	34	38	33	31	16	33	27	29	18	41	36	**43**	31	-
R0276	Residential	NCA01	35	**44**	**50**	**46**	31	**49**	41	43	32	**46**	41	**48**	32	PN
R0277	Educational institute	NCA03	37	46	46	43	28	46	40	41	30	50	44	51	34	-
R0278	Residential	NCA01	32	41	**48**	**44**	30	**47**	38	40	29	43	39	**46**	29	-
R0279	Residential	NCA03	39	**45**	39	36	22	39	32	34	23	**46**	42	**49**	36	PN
R0280	Residential	NCA03	35	41	**43**	40	26	**43**	37	39	28	**49**	40	**47**	32	PN
R0281	Medical facility	NCA03	40	42	39	36	22	39	32	34	23	45	39	46	37	-
R0282	Residential	NCA03	38	**45**	37	35	20	37	31	33	23	42	42	**49**	35	PN
R0283	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	40	42	31	**45**	41	**49**	32	PN
R0284	Residential	NCA01	36	**44**	**50**	**46**	32	**49**	42	**44**	33	**48**	41	**48**	33	PN
R0285	Residential	NCA01	37	**45**	**51**	**48**	33	**50**	**44**	**46**	35	**48**	42	**49**	34	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0286	Residential	NCA01	30	40	**46**	42	29	**47**	36	38	24	41	37	**44**	27	-
R0287	Medical facility	NCA03	39	41	39	36	22	39	33	34	23	46	39	46	36	-
R0288	Residential	NCA03	37	**47**	**44**	40	26	**44**	37	39	28	**51**	**44**	**51**	34	PN
R0289	Residential	NCA03	42	**44**	**43**	39	25	**43**	36	38	27	**48**	41	**48**	39	PN
R0290	Residential	NCA03	36	**44**	**44**	41	26	**44**	37	39	28	**50**	**43**	**50**	33	PN
R0291	Educational institute	NCA03	38	43	45	42	26	45	39	40	28	49	40	47	35	-
R0292	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	40	43	31	**46**	41	**48**	32	PN
R0293	Residential	NCA03	32	35	40	36	21	39	31	33	23	40	33	39	29	-
R0294	Residential	NCA03	41	**46**	**44**	40	26	**44**	37	38	27	**49**	**43**	**50**	38	PN
R0295	Residential	NCA01	36	**44**	**50**	**46**	31	**50**	41	43	31	**47**	41	**47**	33	PN
R0296	Residential	NCA01	31	39	**46**	42	28	**45**	37	39	24	40	36	43	28	-
R0297	Residential	NCA01	30	40	**46**	42	28	**46**	37	38	24	41	38	**44**	27	-
R0298	Residential	NCA03	36	**46**	42	38	24	41	34	36	25	**48**	**43**	**50**	33	PN
R0299	Residential	NCA01	34	43	**49**	**45**	30	**49**	39	41	30	**44**	40	**47**	31	PN
R0300	Residential	NCA01	30	39	**47**	43	29	**46**	37	38	25	42	37	**44**	27	-
R0301	Residential	NCA01	33	41	**47**	**44**	29	**47**	39	41	31	**45**	39	**46**	30	-
R0302	Educational institute	NCA03	38	47	46	42	28	46	38	40	30	50	45	52	35	-
R0303	Residential	NCA01	32	41	**47**	43	28	**47**	39	40	28	42	38	**45**	29	-
R0304	Residential	NCA01	33	41	**47**	**44**	28	**47**	39	41	29	**44**	39	**46**	30	-
R0305	Residential	NCA03	36	**43**	**44**	41	26	**43**	37	39	28	**50**	42	**49**	33	PN
R0306	Residential	NCA01	33	42	**47**	**44**	29	**47**	39	41	30	**44**	39	**46**	30	-
R0307	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	41	30	**44**	39	**46**	30	-
R0308	Residential	NCA03	35	**45**	**43**	39	25	42	36	38	27	**49**	**43**	**50**	32	PN
R0309	Residential	NCA01	38	**45**	**51**	**47**	33	**49**	43	**45**	34	**49**	42	**49**	35	PN
R0310	Residential	NCA01	29	36	**44**	40	25	43	34	35	22	40	33	41	26	-
R0311	Residential	NCA03	34	42	38	34	22	38	31	33	23	**44**	40	**46**	31	-
R0312	Educational institute	NCA03	38	44	46	43	27	46	40	41	30	50	41	48	35	-
R0313	Residential	NCA01	30	40	**47**	43	29	**47**	36	37	26	42	38	**45**	27	-
R0314	Residential	NCA03	38	**46**	**46**	41	28	**45**	38	40	28	**50**	**45**	**52**	35	PN
R0315	Residential	NCA03	41	**45**	41	37	24	40	34	36	25	**47**	42	**49**	38	PN
R0316	Residential	NCA01	33	**44**	**50**	**46**	32	**50**	41	43	31	**46**	41	**48**	30	PN
R0317	Residential	NCA03	34	35	39	35	21	38	32	34	23	42	34	40	31	-
R0318	Residential	NCA01	33	43	**49**	**45**	31	**49**	40	42	31	**45**	40	**47**	30	PN
R0319	Residential	NCA01	37	**46**	**51**	**48**	33	**50**	43	**45**	34	**48**	43	**50**	34	PN
R0320	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	40	30	**44**	39	**46**	30	-
R0321	Residential	NCA03	34	**44**	42	38	24	41	35	37	26	**48**	**44**	**50**	31	PN
R0322	Medical facility	NCA03	36	40	40	37	23	39	33	35	23	43	39	46	33	-
R0323	Residential	NCA03	35	**43**	**44**	40	26	**43**	37	38	28	**50**	42	**48**	32	PN
R0324	Residential	NCA01	37	**45**	**51**	**48**	33	**52**	43	**45**	34	**47**	43	**49**	34	PN
R0325	Residential	NCA03	35	**43**	**43**	39	25	42	36	38	27	**49**	42	**50**	32	PN
R0326	Residential	NCA01	34	43	**49**	**46**	31	**49**	40	43	31	**46**	41	**47**	31	PN
R0327	Residential	NCA01	38	**46**	**51**	**47**	33	**50**	43	**45**	34	**49**	42	**49**	35	PN
R0328	Residential	NCA01	36	**45**	**50**	**47**	32	**50**	42	**44**	32	**47**	42	**48**	33	PN
R0329	Educational institute	NCA03	38	46	48	44	29	48	42	44	30	51	43	50	35	-
R0330	Residential	NCA03	39	**43**	42	38	24	41	35	37	26	**47**	41	**48**	36	PN
R0331	Residential	NCA01	38	**46**	**52**	**48**	34	**51**	**44**	**45**	35	**49**	43	**50**	35	PN
R0332	Residential	NCA01	36	**44**	**50**	**46**	32	**50**	42	**44**	32	**47**	41	**48**	33	PN
R0333	Residential	NCA03	34	**44**	42	38	24	41	35	37	26	**48**	42	**49**	31	PN
R0334	Residential	NCA01	36	**44**	**51**	**47**	32	**50**	41	43	32	**48**	42	**49**	33	PN
R0335	Residential	NCA03	38	**45**	42	38	24	41	33	35	24	**45**	42	**48**	35	PN
R0336	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	31	**45**	41	**48**	31	PN
R0337	Residential	NCA01	33	42	**49**	**45**	31	**49**	40	42	31	**45**	40	**47**	30	PN
R0338	Residential	NCA01	30	39	**45**	41	27	**46**	36	38	25	41	36	43	27	-
R0339	Residential	NCA01	38	**46**	**51**	**47**	33	**51**	43	**45**	34	**50**	43	**49**	35	PN
R0340	Educational institute	NCA03	40	47	49	45	30	49	42	44	32	53	46	52	37	-
R0341	Residential	NCA01	34	43	**49**	**45**	30	**49**	40	42	31	**45**	40	**47**	31	PN
R0342	Residential	NCA01	31	41	**47**	43	27	**47**	36	37	23	42	38	**45**	28	-
R0343	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**47**	42	**48**	32	PN
R0344	Residential	NCA01	31	40	**46**	43	26	**46**	38	40	28	42	37	**44**	28	-
R0345	Residential	NCA01	36	**45**	**50**	**46**	31	**50**	42	**44**	32	**47**	41	**48**	33	PN
R0346	Residential	NCA03	34	**43**	40	37	22	39	33	34	22	**44**	40	**47**	31	-
R0347	Residential	NCA01	29	41	**48**	**44**	30	**47**	35	37	25	42	38	**45**	26	-
R0348	Residential	NCA01	34	43	**49**	**45**	31	**49**	39	41	29	**46**	40	**47**	31	PN
R0349	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	41	43	32	**48**	42	**49**	33	PN
R0350	Residential	NCA03	33	40	38	35	21	37	31	33	22	**44**	40	**46**	30	-
R0351	Medical facility	NCA03	45	43	40	36	22	39	33	34	24	46	40	47	42	-
R0352	Residential	NCA03	37	38	41	37	23	40	34	36	24	**44**	35	42	34	-
R0353	Residential	NCA03	35	**43**	**43**	39	25	**43**	36	38	27	**49**	**43**	**49**	32	PN
R0354	Residential	NCA03	37	**46**	**45**	41	27	**45**	38	39	29	**51**	**44**	**51**	34	PN
R0355	Residential	NCA03	37	**46**	**45**	42	27	**45**	38	40	29	**51**	**45**	**51**	34	PN
R0356	Residential	NCA01	32	42	**48**	**44**	29	**48**	38	40	28	43	39	**46**	29	-
R0357	Medical facility	NCA03	41	43	42	38	24	41	34	36	25	46	41	48	38	-
R0358	Residential	NCA01	33	42	**49**	**45**	29	**48**	38	40	29	43	40	**47**	30	PN
R0359	Residential	NCA03	**44**	**50**	**44**	40	26	**43**	37	39	27	**50**	**47**	**52**	41	PN
R0360	Residential	NCA01	33	42	**49**	**45**	29	**48**	39	41	30	**44**	39	**46**	30	-
R0361	Residential	NCA03	42	42	41	37	23	40	34	36	23	**46**	41	**48**	39	PN
R0362	Residential	NCA03	34	41	42	39	25	41	35	37	26	**49**	39	**46**	31	PN
R0363	Educational institute	NCA03	39	48	47	43	29	47	40	42	30	52	45	52	36	-
R0364	Residential	NCA03	35	**45**	**43**	39	25	**43**	36	38	27	**49**	**43**	**50**	32	PN
R0365	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	42	**44**	32	**47**	42	**49**	33	PN
R0366	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	42	**45**	33	**47**	43	**49**	33	PN
R0367	Residential	NCA03	35	**45**	**43**	39	25	42	36	38	27	**48**	**44**	**51**	32	PN
R0368	Residential	NCA01	30	40	**48**	**44**	30	**48**	33	35	21	41	38	**45**	27	-
R0369	Residential	NCA03	35	**47**	**43**	39	25	**43**	36	37	27	**49**	41	**48**	32	PN
R0370	Residential	NCA01	31	41	**48**	**44**	30	**48**	37	39	29	43	39	**46**	28	-
R0371	Residential	NCA01	33	41	**47**	**44**	28	**47**	40	41	30	**44**	38	**45**	30	-
R0372	Commercial	NCA03	44	43	41	38	24	40	34	36	25	46	40	47	41	-
R0373	Residential	NCA01	30	38	**45**	41	25	**44**	36	38	24	40	35	42	27	-
R0374	Residential	NCA01	34	43	**49**	**45**	31	**49**	40	43	31	**47**	40	**47**	31	PN
R0375	Residential	NCA03	33	**44**	42	38	23	41	34	36	24	**44**	41	**48**	30	PN
R0376	Residential	NCA03	41	**47**	41	38	24	41	34	36	25	**43**	**43**	**49**	38	PN
R0377	Residential	NCA03	37	**45**	**44**	41	26	**43**	37	39	28	**51**	**44**	**51**	34	PN
R0378	Residential	NCA01	40	**45**	**48**	**44**	28	**48**	41	**44**	33	**51**	42	**49**	37	PN
R0379	Residential	NCA03	35	**45**	41	37	24	41	34	36	26	**50**	**43**	**49**	32	PN
R0380	Residential	NCA01	36	**46**	**51**	**48**	33	**52**	43	**45**	34	**47**	43	**49**	33	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0381	Residential	NCA03	41	**46**	41	38	24	40	34	36	25	**48**	**43**	**50**	38	PN
R0382	Residential	NCA01	35	43	**49**	**45**	31	**49**	39	41	29	**44**	40	**48**	32	PN
R0383	Residential	NCA01	40	**46**	**50**	**46**	31	**49**	43	**45**	34	**52**	43	**50**	37	PN
R0384	Residential	NCA01	39	**44**	**48**	**44**	27	**48**	42	**44**	33	**50**	41	**48**	36	PN
R0385	Residential	NCA03	37	**47**	**45**	41	27	**44**	38	40	28	**51**	**45**	**52**	34	PN
R0386	Residential	NCA01	34	43	**48**	**45**	29	**48**	40	42	30	**45**	40	**47**	31	-
R0387	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	41	43	31	**48**	42	**49**	33	PN
R0388	Residential	NCA01	38	**44**	**48**	**44**	28	**48**	42	**44**	33	**50**	41	**48**	35	PN
R0389	Residential	NCA01	35	42	**49**	**44**	28	**48**	39	41	28	**47**	39	**46**	32	-
R0390	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	39	42	31	**46**	41	**48**	32	PN
R0391	Residential	NCA03	36	**44**	**43**	40	26	**44**	37	39	28	**51**	**43**	**50**	33	PN
R0392	Residential	NCA03	35	42	**43**	39	25	**43**	36	38	27	**49**	40	**47**	32	PN
R0393	Residential	NCA01	36	**44**	**50**	**47**	32	**50**	41	43	31	**48**	41	**49**	33	PN
R0394	Residential	NCA01	30	39	**45**	42	28	**46**	36	38	26	42	37	**44**	27	-
R0395	Residential	NCA03	42	**43**	40	37	23	40	34	35	24	**47**	41	**48**	39	PN
R0396	Residential	NCA01	35	**44**	**50**	**46**	33	**48**	42	**44**	34	**47**	41	**48**	32	PN
R0397	Residential	NCA01	33	39	**46**	41	25	**45**	36	39	28	**44**	36	**44**	30	-
R0398	Residential	NCA03	**43**	**43**	39	36	22	39	32	34	20	**46**	41	**47**	40	-
R0399	Residential	NCA01	37	**44**	**50**	**46**	30	**49**	41	43	30	**49**	41	**48**	34	PN
R0400	Residential	NCA03	**43**	**45**	40	37	23	40	34	35	24	**47**	42	**49**	40	PN
R0401	Residential	NCA01	37	**44**	**48**	**45**	28	**48**	42	**44**	33	**49**	40	**47**	34	PN
R0402	Residential	NCA01	39	**45**	**49**	**45**	29	**48**	42	**44**	33	**50**	42	**49**	36	PN
R0403	Residential	NCA01	35	43	**49**	**46**	31	**49**	41	43	32	**46**	41	**48**	32	PN
R0404	Residential	NCA01	37	**45**	**50**	**46**	30	**49**	42	**44**	33	**49**	41	**48**	34	PN
R0405	Residential	NCA01	35	**46**	**52**	**48**	33	**51**	42	**44**	32	**46**	43	**49**	32	PN
R0406	Residential	NCA03	**44**	**43**	40	37	22	39	34	35	23	**46**	41	**47**	41	-
R0407	Residential	NCA01	31	42	**49**	**45**	31	**49**	38	40	29	43	40	**46**	28	-
R0408	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	39	28	**51**	**43**	**50**	34	PN
R0409	Residential	NCA01	37	**45**	**50**	**46**	28	**49**	43	**44**	33	**49**	42	**49**	34	PN
R0410	Residential	NCA01	35	43	**49**	**46**	31	**49**	41	43	32	**46**	41	**48**	32	PN
R0411	Residential	NCA01	35	**45**	**51**	**48**	33	**51**	42	**44**	32	**47**	43	**50**	32	PN
R0412	Residential	NCA01	34	43	**49**	**45**	31	**49**	40	42	31	**45**	41	**48**	31	PN
R0413	Residential	NCA01	38	**46**	**51**	**48**	34	**51**	**44**	**46**	35	**50**	43	**50**	35	PN
R0414	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	42	**44**	32	**47**	43	**49**	33	PN
R0415	Residential	NCA01	29	37	**44**	39	24	43	35	37	21	41	34	41	26	-
R0416	Residential	NCA03	36	**47**	**44**	40	26	**43**	37	39	27	**49**	**44**	**52**	33	PN
R0417	Residential	NCA01	39	**46**	**50**	**48**	33	**50**	**44**	**46**	34	**49**	43	**50**	36	PN
R0418	Residential	NCA01	39	**44**	**49**	**46**	29	**50**	41	43	33	**50**	41	**48**	36	PN
R0419	Residential	NCA01	36	**45**	**50**	**47**	32	**51**	42	**44**	33	**48**	42	**49**	33	PN
R0420	Residential	NCA01	34	**45**	**51**	**47**	32	**50**	40	42	31	**46**	42	**48**	31	PN
R0421	Residential	NCA03	38	**47**	**45**	42	27	**45**	38	40	29	**51**	**45**	**52**	35	PN
R0422	Residential	NCA01	39	**46**	**50**	**46**	29	**49**	42	**44**	33	**50**	42	**49**	36	PN
R0423	Residential	NCA01	38	**46**	**49**	**45**	30	**49**	42	**44**	34	**50**	43	**49**	35	PN
R0424	Residential	NCA03	36	**46**	**44**	40	26	**43**	37	39	28	**52**	**44**	**51**	33	PN
R0425	Residential	NCA03	39	**47**	**44**	41	26	**43**	37	39	28	**51**	**45**	**52**	36	PN
R0426	Residential	NCA03	36	**45**	**44**	40	26	**43**	37	39	28	**49**	**43**	**50**	33	PN
R0427	Residential	NCA01	37	**44**	**50**	**46**	31	**50**	41	43	32	**49**	41	**48**	34	PN
R0428	Residential	NCA01	35	43	**49**	**45**	29	**49**	40	42	31	**46**	40	**48**	32	PN
R0429	Residential	NCA01	34	**44**	**51**	**47**	33	**50**	41	43	31	**45**	41	**48**	31	PN
R0430	Residential	NCA01	34	43	**49**	**45**	30	**49**	40	42	31	**45**	41	**48**	31	PN
R0431	Residential	NCA03	**44**	**44**	40	37	23	40	33	35	24	**48**	42	**49**	41	PN
R0432	Residential	NCA03	42	**44**	42	39	24	42	35	37	26	**48**	41	**48**	39	PN
R0433	Residential	NCA01	30	38	43	40	24	43	36	38	24	41	34	41	27	-
R0434	Residential	NCA01	38	**47**	**52**	**48**	34	**51**	**44**	**46**	35	**50**	43	**50**	35	PN
R0435	Residential	NCA01	27	38	**44**	41	28	**45**	34	36	22	38	35	43	24	-
R0436	Residential	NCA03	42	**48**	**43**	39	25	42	36	38	27	**50**	**45**	**52**	39	PN
R0437	Residential	NCA01	37	**46**	**49**	**46**	31	**47**	**44**	**46**	33	**49**	42	**49**	34	PN
R0438	Active recreation	NCA03	41	49	48	46	30	48	43	45	32	53	46	53	38	-
R0439	Educational institute	NCA03	40	48	48	45	30	48	41	43	32	53	46	53	37	-
R0440	Residential	NCA03	**43**	**44**	42	38	24	41	35	37	26	**48**	42	**49**	40	PN
R0441	Residential	NCA03	34	**45**	42	38	25	41	35	37	26	**50**	**45**	**52**	31	PN
R0442	Residential	NCA01	37	**45**	**50**	**46**	31	**50**	42	**44**	33	**48**	41	**48**	34	PN
R0443	Residential	NCA03	36	**44**	**44**	40	26	**44**	37	38	28	**51**	**43**	**50**	33	PN
R0444	Residential	NCA01	32	41	**48**	**45**	30	**48**	38	40	29	43	39	**46**	29	-
R0445	Residential	NCA01	34	**44**	**50**	**46**	32	**48**	42	**44**	33	**44**	41	**48**	31	PN
R0446	Residential	NCA03	36	**45**	**44**	40	26	**44**	36	38	28	**49**	**44**	**51**	33	PN
R0447	Residential	NCA01	38	**45**	**50**	**46**	29	**50**	43	**44**	34	**50**	43	**50**	35	PN
R0448	Residential	NCA03	37	**45**	**45**	41	27	**44**	38	40	28	**51**	**44**	**51**	34	PN
R0449	Residential	NCA01	29	35	43	39	24	42	33	35	20	40	33	40	26	-
R0450	Residential	NCA03	41	**46**	41	37	23	40	34	36	23	**48**	**43**	**50**	38	PN
R0451	Residential	NCA03	36	**44**	**44**	40	26	**44**	37	39	28	**51**	**43**	**50**	33	PN
R0452	Residential	NCA03	42	**49**	**44**	40	27	**44**	38	39	28	**51**	**46**	**53**	39	PN
R0453	Residential	NCA01	29	39	**47**	43	27	**46**	34	36	24	40	37	43	26	-
R0454	Educational institute	NCA03	40	49	48	44	29	48	40	42	31	54	47	53	37	-
R0455	Residential	NCA01	37	**45**	**48**	**45**	29	**49**	43	**45**	33	**49**	41	**48**	34	-
R0456	Residential	NCA01	37	**45**	**46**	**45**	27	**46**	43	**45**	34	**50**	41	**48**	34	PN
R0457	Residential	NCA01	35	43	**49**	**45**	32	**47**	42	**44**	33	43	40	**47**	32	PN
R0458	Residential	NCA01	40	**45**	**46**	**44**	26	**46**	42	**44**	33	**51**	42	**49**	37	PN
R0459	Residential	NCA03	**44**	**47**	42	39	25	41	35	37	26	**49**	**44**	**51**	41	PN
R0460	Residential	NCA01	39	**44**	**50**	**46**	30	**50**	40	42	30	**50**	41	**48**	36	PN
R0461	Residential	NCA01	37	**47**	**53**	**49**	33	**50**	**45**	**47**	34	**48**	**44**	**49**	34	PN
R0462	Residential	NCA01	28	39	**47**	43	29	**47**	36	37	22	39	38	**45**	25	-
R0463	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	42	42	31	**46**	41	**49**	32	PN
R0464	Residential	NCA01	38	**46**	**50**	**46**	29	**49**	**44**	**45**	34	**51**	42	**49**	35	PN
R0465	Residential	NCA03	40	**46**	**45**	41	27	**44**	38	39	28	**51**	**45**	**52**	37	PN
R0466	Residential	NCA01	35	**46**	**50**	**47**	32	**50**	43	**45**	33	**47**	42	**48**	32	PN
R0467	Residential	NCA01	39	**46**	**49**	**46**	29	**48**	43	**45**	34	**52**	43	**50**	36	PN
R0468	Residential	NCA03	37	42	**44**	40	26	**43**	37	38	28	**48**	40	**46**	34	PN
R0469	Educational institute	NCA03	40	48	47	43	28	47	40	42	30	52	45	52	37	-
R0470	Residential	NCA01	38	**46**	**44**	**44**	26	**44**	43	**45**	34	**50**	42	**49**	35	PN
R0471	Residential	NCA03	35	**44**	**43**	39	26	41	36	38	27	**50**	**43**	**50**	32	PN
R0472	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	38	28	**52**	**43**	**50**	34	PN
R0473	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	42	**44**	32	**47**	41	**48**	31	PN
R0474	Residential	NCA03	**45**	**47**	42	39	24	41	36	38	26	**49**	**44**	**51**	42	PN
R0475	Residential	NCA03	**46**	**47**	**43**	40	26	**43**	37	40	27	**50**	**44**	**51**	**43**	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0476	Commercial	NCA03	44	53	44	41	26	43	37	39	28	50	48	53	41	-
R0477	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	41	43	32	**46**	41	**48**	32	PN
R0478	Residential	NCA01	38	**47**	**53**	**49**	35	**51**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0479	Residential	NCA01	37	**45**	**50**	**47**	31	**50**	43	**45**	33	**49**	42	**49**	34	PN
R0480	Residential	NCA01	28	36	**44**	39	25	**44**	33	35	20	40	33	40	25	-
R0481	Residential	NCA03	**43**	**44**	41	37	23	40	34	36	25	**47**	41	**48**	40	PN
R0482	Residential	NCA01	37	**45**	**51**	**47**	34	**50**	43	**45**	35	**48**	42	**49**	34	PN
R0483	Active recreation	NCA03	41	50	49	46	30	50	43	45	32	53	47	53	38	-
R0484	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	43	**45**	35	**48**	42	**49**	33	PN
R0485	Residential	NCA01	36	**46**	**51**	**48**	33	**51**	42	**44**	33	**48**	43	**50**	33	PN
R0486	Residential	NCA03	**44**	**51**	**45**	42	27	**44**	38	40	28	**51**	**48**	**54**	41	PN
R0487	Residential	NCA01	34	**46**	**51**	**48**	33	**52**	41	43	31	**46**	43	**50**	31	PN
R0488	Residential	NCA03	**44**	**43**	40	37	23	39	33	34	24	**47**	41	**48**	41	PN
R0489	Residential	NCA01	38	**45**	**50**	**46**	29	**50**	41	43	32	**49**	42	**49**	35	PN
R0490	Residential	NCA03	37	**48**	**46**	42	27	**45**	39	40	29	**53**	**47**	**54**	34	PN
R0491	Residential	NCA01	37	**45**	**51**	**47**	34	**50**	43	**45**	35	**48**	42	**49**	34	PN
R0492	Residential	NCA01	37	**45**	**51**	**47**	33	**50**	43	**45**	34	**47**	42	**49**	34	PN
R0493	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	43	**45**	33	**48**	43	**49**	33	PN
R0494	Place of worship	NCA03	44	44	40	36	22	39	33	35	24	47	42	49	41	-
R0495	Residential	NCA01	37	**46**	**50**	**47**	32	**50**	43	**45**	33	**49**	42	**49**	34	PN
R0496	Residential	NCA01	37	**45**	**48**	**46**	29	**48**	43	**45**	34	**48**	42	**49**	34	PN
R0497	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	31	**46**	41	**48**	31	PN
R0498	Residential	NCA01	38	**46**	**48**	**46**	27	**48**	43	**45**	34	**52**	43	**50**	35	PN
R0499	Residential	NCA01	28	36	43	39	25	42	34	36	24	39	33	40	25	-
R0500	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**44**	**51**	35	PN
R0501	Residential	NCA03	41	**48**	**44**	41	27	**44**	37	39	28	**51**	**46**	**53**	38	PN
R0502	Residential	NCA01	32	42	**49**	**45**	31	**49**	38	40	26	43	40	**45**	29	PN
R0503	Residential	NCA03	41	**48**	**45**	41	27	**44**	38	40	28	**52**	**46**	**53**	38	PN
R0504	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	42	**45**	33	**48**	43	**50**	33	PN
R0505	Residential	NCA01	35	**45**	**52**	**48**	33	**51**	42	**44**	32	**48**	43	**49**	32	PN
R0506	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	43	**45**	35	**47**	42	**49**	33	PN
R0507	Residential	NCA03	39	**47**	**45**	41	28	**45**	38	40	29	**51**	**45**	**52**	36	PN
R0508	Residential	NCA03	33	39	39	35	22	39	32	34	23	**45**	38	**43**	30	-
R0509	Residential	NCA03	38	**47**	**45**	42	27	**45**	39	40	29	**52**	**46**	**53**	35	PN
R0510	Residential	NCA03	**44**	**44**	40	36	23	40	33	35	24	**47**	41	**48**	41	PN
R0511	Residential	NCA03	36	**47**	41	38	24	40	35	36	26	**48**	**44**	**51**	33	PN
R0512	Residential	NCA03	**43**	**49**	**43**	40	26	42	36	38	27	**51**	**46**	**53**	40	PN
R0513	Residential	NCA03	39	**45**	**45**	41	27	**45**	38	40	29	**52**	**43**	**51**	36	PN
R0514	Residential	NCA01	37	**44**	**51**	**47**	31	**50**	42	**44**	32	**50**	42	**49**	34	PN
R0515	Residential	NCA01	34	**45**	**51**	**47**	33	**51**	38	40	28	**45**	42	**49**	31	PN
R0516	Educational institute	NCA03	39	48	47	43	29	47	39	41	30	53	45	52	36	-
R0517	Residential	NCA01	29	40	**48**	**44**	29	**47**	35	36	25	40	38	**44**	26	-
R0518	Residential	NCA01	38	**46**	**50**	**47**	32	**50**	**44**	**46**	33	**50**	42	**49**	35	PN
R0519	Residential	NCA01	35	**45**	**51**	**47**	32	**50**	40	42	31	**46**	42	**49**	32	PN
R0520	Residential	NCA01	38	**47**	**51**	**49**	34	**52**	**45**	**47**	35	**49**	43	**50**	35	PN
R0521	Residential	NCA01	39	**47**	**52**	**48**	34	**51**	**45**	**47**	35	**49**	**44**	**50**	36	PN
R0522	Residential	NCA01	34	**45**	**50**	**47**	32	**50**	42	**44**	32	**44**	42	**49**	31	PN
R0523	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	42	**44**	33	**47**	42	**49**	33	PN
R0524	Residential	NCA01	40	**46**	**49**	**46**	29	**49**	43	**45**	34	**51**	43	**50**	37	PN
R0525	Residential	NCA01	40	**46**	**50**	**46**	29	**49**	**44**	**46**	35	**51**	43	**50**	37	PN
R0526	Residential	NCA03	36	**44**	**44**	40	26	**43**	36	38	27	**50**	**43**	**50**	33	PN
R0527	Residential	NCA01	34	**47**	**50**	**47**	32	**51**	41	42	31	**46**	**44**	**49**	31	PN
R0528	Residential	NCA01	33	43	**50**	**46**	32	**50**	39	41	30	**45**	41	**48**	30	PN
R0529	Residential	NCA03	32	34	36	33	20	36	29	31	19	39	32	39	29	-
R0530	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	30	**45**	41	**48**	31	PN
R0531	Residential	NCA03	**44**	**46**	41	38	24	40	34	36	25	**48**	**43**	**50**	41	PN
R0532	Residential	NCA01	29	40	**46**	42	27	**46**	31	33	20	40	37	43	26	-
R0533	Residential	NCA01	40	**47**	**49**	**47**	28	**49**	**45**	**46**	35	**52**	**44**	**51**	37	PN
R0534	Residential	NCA01	41	**47**	**50**	**47**	31	**50**	**44**	**46**	35	**52**	**44**	**51**	38	PN
R0535	Residential	NCA01	34	**44**	**50**	**46**	30	**50**	40	42	31	**45**	41	**48**	31	PN
R0536	Residential	NCA01	32	40	**46**	43	26	**48**	38	40	26	42	37	**44**	29	-
R0537	Residential	NCA01	41	**47**	**52**	**48**	34	**51**	**44**	**46**	35	**52**	**44**	**51**	38	PN
R0538	Residential	NCA03	38	**44**	**45**	42	27	**44**	39	40	29	**51**	42	**49**	35	PN
R0539	Residential	NCA01	37	**44**	**50**	**46**	31	**50**	41	43	32	**49**	41	**48**	34	PN
R0540	Residential	NCA01	31	43	**48**	**44**	30	**49**	37	38	23	43	39	**44**	28	PN
R0541	Residential	NCA01	40	**46**	**51**	**47**	29	**51**	42	**44**	32	**51**	43	**50**	37	PN
R0542	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	42	**44**	32	**47**	42	**49**	33	PN
R0543	Residential	NCA01	33	39	43	39	25	43	36	38	27	43	36	43	30	-
R0544	Residential	NCA01	31	**45**	**50**	**46**	31	**51**	40	42	26	42	41	**48**	28	PN
R0545	Residential	NCA03	37	**46**	**43**	40	26	**43**	36	38	27	**50**	**45**	**52**	34	PN
R0546	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	43	**44**	32	**47**	42	**49**	33	PN
R0547	Residential	NCA03	35	39	39	35	20	37	31	33	22	42	37	**43**	32	-
R0548	Residential	NCA01	29	38	**45**	41	27	**45**	33	35	20	41	35	42	26	-
R0549	Residential	NCA01	30	39	**46**	43	28	**46**	36	38	27	41	37	**44**	27	-
R0550	Residential	NCA01	38	**46**	**45**	**46**	27	**45**	42	**44**	33	**49**	42	**50**	35	PN
R0551	Residential	NCA01	37	**47**	**51**	**49**	34	**52**	**44**	**46**	35	**48**	43	**50**	34	PN
R0552	Residential	NCA03	37	**44**	**44**	41	26	**44**	37	39	28	**52**	42	**50**	34	PN
R0553	Residential	NCA03	40	**47**	**43**	39	26	42	35	37	26	**48**	**45**	**52**	37	PN
R0554	Residential	NCA01	39	**44**	**49**	**46**	28	**49**	40	42	30	**50**	41	**48**	36	PN
R0555	Residential	NCA01	39	**47**	**52**	**49**	35	**51**	**45**	**47**	36	**51**	**44**	**51**	36	PN
R0556	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	43	**45**	32	**46**	42	**49**	32	PN
R0557	Residential	NCA03	40	**48**	**46**	42	28	**46**	39	41	30	**53**	**47**	**53**	37	PN
R0558	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	43	**45**	34	**47**	42	**49**	33	PN
R0559	Residential	NCA01	30	**44**	**50**	**46**	31	**50**	38	39	29	41	42	**49**	27	PN
R0560	Residential	NCA01	29	41	**48**	**45**	30	**48**	36	37	25	41	39	**45**	26	-
R0561	Residential	NCA01	34	**44**	**50**	**47**	31	**50**	40	42	31	**45**	42	**48**	31	PN
R0562	Residential	NCA01	31	42	**50**	**46**	32	**49**	38	39	27	42	40	**47**	28	PN
R0563	Residential	NCA01	34	**44**	**51**	**47**	32	**50**	40	42	29	**45**	42	**50**	31	PN
R0564	Residential	NCA03	37	**49**	**46**	42	28	**46**	39	41	29	**53**	**45**	**52**	34	PN
R0565	Residential	NCA01	39	**45**	**51**	**47**	30	**50**	43	**45**	34	**50**	42	**49**	36	PN
R0566	Residential	NCA01	35	**44**	**51**	**47**	32	**50**	41	43	32	**46**	42	**49**	32	PN
R0567	Residential	NCA01	35	**44**	**50**	**47**	32	**50**	42	**44**	33	**46**	42	**49**	32	PN
R0568	Residential	NCA01	39	**47**	**49**	**47**	29	**49**	**44**	**45**	34	**51**	43	**50**	36	PN
R0569	Residential	NCA01	36	**46**	**52**	**48**	33	**51**	42	**44**	33	**48**	43	**50**	33	PN
R0570	Residential	NCA03	42	**47**	42	38	24	41	35	37	26	**49**	**44**	**51**	39	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0571	Residential	NCA03	41	**46**	42	39	24	41	35	37	25	**50**	**44**	**51**	38	PN
R0572	Residential	NCA01	35	**44**	**50**	**47**	31	**50**	41	43	32	**47**	42	**49**	32	PN
R0573	Residential	NCA01	35	**44**	**49**	**46**	31	**49**	41	43	32	**46**	41	**48**	32	PN
R0574	Residential	NCA01	37	**46**	**51**	**48**	34	**51**	43	**45**	34	**48**	43	**50**	34	PN
R0575	Residential	NCA01	32	42	**48**	**45**	28	**48**	38	40	28	43	39	**46**	29	-
R0576	Residential	NCA01	39	**48**	**55**	**51**	35	**52**	**47**	**49**	37	**50**	**46**	**52**	36	PN
R0577	Residential	NCA01	40	**47**	**52**	**49**	34	**52**	**45**	**47**	35	**50**	**44**	**51**	37	PN
R0578	Residential	NCA03	39	**46**	**43**	39	24	41	35	37	26	**51**	**45**	**52**	36	PN
R0579	Residential	NCA01	39	**46**	**50**	**46**	30	**50**	43	**44**	32	**50**	43	**49**	36	PN
R0580	Residential	NCA03	**43**	**50**	**45**	41	27	**44**	38	40	28	**51**	**47**	**54**	40	PN
R0581	Residential	NCA01	27	40	**48**	**44**	29	**47**	29	31	18	39	38	**45**	24	-
R0582	Residential	NCA03	38	**43**	**45**	40	26	**44**	37	39	28	**51**	41	**48**	35	PN
R0583	Residential	NCA01	27	37	43	39	24	43	33	35	20	37	34	41	24	-
R0584	Residential	NCA01	38	**45**	**51**	**47**	32	**51**	43	**45**	32	**49**	42	**49**	35	PN
R0585	Residential	NCA01	38	**46**	**51**	**47**	33	**51**	43	**45**	33	**50**	42	**49**	35	PN
R0586	Residential	NCA03	**44**	**46**	42	39	25	42	35	37	26	**48**	**43**	**50**	41	PN
R0587	Residential	NCA01	38	**45**	**51**	**47**	33	**51**	43	**45**	35	**49**	43	**50**	35	PN
R0588	Residential	NCA03	**43**	40	40	37	22	39	34	36	25	**45**	38	**45**	40	-
R0589	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	43	32	**46**	42	**48**	32	PN
R0590	Residential	NCA01	37	**46**	**52**	**48**	33	**51**	43	**45**	33	**48**	43	**49**	34	PN
R0591	Residential	NCA01	37	**45**	**51**	**47**	33	**50**	42	**45**	34	**48**	42	**49**	34	PN
R0592	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	43	**45**	34	**48**	**44**	**51**	34	PN
R0593	Residential	NCA01	35	**44**	**50**	**46**	29	**50**	42	**44**	32	**48**	41	**48**	32	PN
R0594	Residential	NCA01	35	**45**	**52**	**48**	33	**52**	41	43	32	**47**	43	**49**	32	PN
R0595	Residential	NCA01	39	**46**	**47**	**45**	29	**47**	**44**	**45**	35	**51**	43	**50**	36	PN
R0596	Residential	NCA01	35	**44**	**50**	**47**	32	**51**	41	43	32	**46**	42	**48**	32	PN
R0597	Residential	NCA01	32	41	**48**	**44**	27	**47**	38	40	28	43	38	**45**	29	-
R0598	Residential	NCA01	40	**48**	**50**	**48**	30	**49**	**46**	**48**	36	**53**	**45**	**52**	37	PN
R0599	Residential	NCA01	26	33	40	36	22	40	31	33	22	37	30	37	23	-
R0600	Residential	NCA03	36	**48**	**44**	41	27	**43**	37	39	28	**49**	**47**	**54**	33	PN
R0601	Residential	NCA01	39	**45**	**51**	**47**	30	**50**	42	**44**	33	**51**	42	**49**	36	PN
R0602	Residential	NCA03	**47**	**47**	42	39	24	41	36	37	26	**49**	**45**	**52**	**44**	PN
R0603	Residential	NCA03	38	**46**	**44**	41	26	**43**	38	39	28	**50**	**45**	**51**	35	PN
R0604	Residential	NCA01	37	**44**	**50**	**46**	32	**49**	42	**44**	33	**48**	42	**49**	34	PN
R0605	Residential	NCA01	32	41	**48**	**44**	28	**48**	38	40	27	43	38	**45**	29	-
R0606	Residential	NCA01	38	**47**	**51**	**48**	33	**51**	**44**	**46**	34	**49**	43	**49**	35	PN
R0607	Place of worship	NCA01	33	43	49	46	32	49	38	40	30	44	41	48	30	-
R0608	Residential	NCA01	25	38	**45**	41	27	**44**	35	35	21	37	36	43	22	-
R0609	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	43	**45**	34	**48**	**44**	**51**	34	PN
R0610	Residential	NCA01	37	**45**	**51**	**47**	34	**51**	43	**46**	35	**47**	42	**49**	34	PN
R0611	Residential	NCA03	42	**49**	**45**	41	27	**44**	38	40	28	**51**	**47**	**54**	39	PN
R0612	Residential	NCA01	28	38	**46**	42	27	**45**	35	36	25	39	36	42	25	-
R0613	Residential	NCA01	39	**46**	**50**	**46**	29	**50**	43	**44**	33	**50**	**44**	**50**	36	PN
R0614	Residential	NCA01	35	**44**	**50**	**47**	32	**50**	42	43	32	**46**	42	**49**	32	PN
R0615	Residential	NCA01	37	**45**	**52**	**47**	34	**50**	43	**46**	35	**47**	42	**49**	34	PN
R0616	Residential	NCA03	**48**	**49**	**43**	40	26	42	36	39	26	**50**	**46**	**52**	**45**	PN
R0617	Residential	NCA01	36	**45**	**51**	**47**	34	**51**	**44**	**46**	35	**47**	42	**49**	33	PN
R0618	Educational institute	NCA03	44	42	40	36	22	39	33	34	23	46	40	47	41	-
R0619	Medical facility	NCA03	38	43	42	38	24	40	35	36	25	48	42	49	35	-
R0620	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	41	43	32	**46**	42	**49**	32	PN
R0621	Medical facility	NCA03	44	39	38	35	21	38	31	33	19	43	36	44	41	-
R0622	Residential	NCA01	35	**46**	**51**	**47**	32	**51**	**44**	**46**	33	**49**	43	**50**	32	PN
R0623	Medical facility	NCA03	45	44	39	36	22	39	32	34	23	45	40	47	42	-
R0624	Residential	NCA01	38	**46**	**51**	**48**	33	**51**	**44**	**46**	34	**49**	43	**50**	35	PN
R0625	Residential	NCA03	36	40	39	36	21	37	32	34	22	**44**	38	**44**	33	-
R0626	Residential	NCA01	34	43	**50**	**46**	30	**50**	40	42	31	**45**	41	**48**	31	PN
R0627	Residential	NCA03	**48**	**52**	**44**	40	26	**43**	38	39	27	**51**	**50**	**57**	**45**	PN
R0628	Residential	NCA03	38	**49**	**45**	41	27	**45**	38	40	29	**52**	**47**	**54**	35	PN
R0629	Residential	NCA01	36	**44**	**51**	**47**	32	**51**	42	**44**	33	**48**	42	**49**	33	PN
R0630	Residential	NCA01	39	**46**	**50**	**46**	30	**50**	**44**	**46**	34	**52**	43	**50**	36	PN
R0631	Residential	NCA01	30	42	**49**	**45**	31	**49**	37	38	26	42	40	**47**	27	PN
R0632	Residential	NCA01	37	**46**	**50**	**46**	29	**49**	43	**45**	33	**48**	43	**49**	34	PN
R0633	Residential	NCA01	36	**45**	**50**	**47**	31	**50**	42	**44**	33	**46**	41	**48**	33	PN
R0634	Residential	NCA01	36	**46**	**52**	**48**	33	**52**	42	**44**	33	**47**	43	**50**	33	PN
R0635	Residential	NCA03	37	**47**	**44**	40	26	**44**	37	39	28	**50**	**47**	**53**	34	PN
R0636	Residential	NCA01	41	**46**	**48**	**45**	28	**48**	**45**	**46**	35	**51**	43	**50**	38	PN
R0637	Residential	NCA01	37	**44**	**49**	**47**	32	**49**	42	**44**	33	**48**	41	**48**	34	PN
R0638	Residential	NCA01	**45**	**49**	**52**	**48**	34	**52**	**46**	**48**	36	**55**	**46**	**53**	42	PN
R0639	Educational institute	NCA03	47	42	41	37	23	40	34	35	23	47	40	47	44	-
R0640	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0641	Medical facility	NCA03	46	44	41	37	23	40	34	35	24	46	41	48	43	-
R0642	Residential	NCA01	39	**45**	**51**	**47**	30	**51**	43	**44**	33	**50**	42	**49**	36	PN
R0643	Residential	NCA01	40	**46**	**49**	**45**	28	**49**	**44**	**46**	35	**51**	43	**50**	37	PN
R0644	Residential	NCA01	30	43	**50**	**46**	33	**50**	36	38	23	41	41	**48**	27	PN
R0645	Residential	NCA01	35	**45**	**52**	**48**	33	**52**	41	**44**	32	**47**	43	**50**	32	PN
R0646	Residential	NCA01	36	**45**	**51**	**48**	32	**51**	43	**44**	32	**47**	42	**49**	33	PN
R0647	Residential	NCA01	39	**47**	**51**	**48**	33	**51**	**44**	**46**	33	**50**	43	**50**	36	PN
R0648	Residential	NCA03	**43**	**49**	**44**	41	27	**43**	37	39	28	**52**	**47**	**54**	40	PN
R0649	Residential	NCA01	34	**46**	**52**	**48**	33	**52**	40	42	31	**46**	43	**49**	31	PN
R0650	Residential	NCA01	39	**47**	**51**	**48**	30	**51**	**44**	**45**	33	**50**	**44**	**51**	36	PN
R0651	Residential	NCA01	28	34	41	37	24	41	31	33	20	40	32	39	25	-
R0652	Residential	NCA01	38	**47**	**53**	**49**	34	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0653	Residential	NCA03	37	**47**	**43**	39	24	**43**	36	37	27	**53**	**45**	**52**	34	PN
R0654	Residential	NCA01	38	**47**	**52**	**49**	35	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0655	Residential	NCA01	38	**46**	**51**	**47**	32	**51**	**44**	**46**	33	**49**	43	**50**	35	PN
R0656	Residential	NCA01	30	42	**49**	**45**	31	**49**	36	38	26	41	40	**47**	27	PN
R0657	Residential	NCA01	39	**46**	**51**	**48**	34	**51**	**44**	**46**	35	**50**	43	**50**	36	PN
R0658	Residential	NCA01	37	**45**	**51**	**47**	32	**50**	42	**45**	34	**48**	42	**49**	34	PN
R0659	Residential	NCA01	28	38	**45**	41	27	**45**	34	36	24	39	35	42	25	-
R0660	Residential	NCA01	31	43	**50**	**46**	33	**50**	37	39	28	42	41	**48**	28	PN
R0661	Commercial	NCA03	43	53	44	41	26	43	38	40	28	50	51	56	40	-
R0662	Residential	NCA01	43	**49**	**50**	**50**	30	**50**	**46**	**48**	36	**54**	**46**	**53**	40	PN
R0663	Residential	NCA01	28	39	**47**	43	29	**46**	34	36	25	40	37	42	25	-
R0664	Residential	NCA01	36	**47**	**53**	**49**	34	**52**	43	**45**	33	**48**	**44**	**51**	33	PN
R0665	Residential	NCA01	36	**46**	**51**	**48**	33	**51**	43	**44**	34	**47**	43	**50**	33	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0666	Residential	NCA01	38	**47**	**54**	**49**	34	**51**	**46**	**48**	35	**49**	**45**	**51**	35	PN
R0667	Residential	NCA01	40	**47**	**49**	**47**	28	**48**	**45**	**47**	35	**52**	**44**	**50**	37	PN
R0668	Residential	NCA01	37	**46**	**53**	**48**	35	**51**	**44**	**47**	36	**48**	43	**50**	34	PN
R0669	Residential	NCA01	35	**44**	**50**	**46**	32	**49**	42	**44**	33	**46**	41	**48**	32	PN
R0670	Residential	NCA01	37	**46**	**52**	**48**	31	**52**	**44**	**46**	35	**49**	43	**50**	34	PN
R0671	Residential	NCA01	29	38	**46**	41	27	**45**	34	36	23	40	35	42	26	-
R0672	Residential	NCA01	39	**47**	**51**	**49**	33	**52**	**45**	**47**	35	**50**	43	**50**	36	PN
R0673	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	42	43	32	**46**	42	**50**	32	PN
R0674	Residential	NCA01	34	**45**	**51**	**47**	32	**51**	40	42	30	**46**	42	**49**	31	PN
R0675	Residential	NCA01	30	41	**49**	**45**	30	**48**	37	38	27	40	39	**46**	27	PN
R0676	Residential	NCA01	35	**46**	**52**	**48**	34	**52**	41	**44**	32	**47**	43	**50**	32	PN
R0677	Residential	NCA01	34	**45**	**52**	**48**	33	**52**	41	43	32	**46**	43	**49**	31	PN
R0678	Residential	NCA03	37	**48**	42	38	23	41	33	35	25	**52**	**47**	**53**	34	PN
R0679	Educational institute	NCA03	43	44	41	37	23	40	34	35	23	47	41	48	40	-
R0680	Residential	NCA01	38	**46**	**52**	**48**	34	**51**	**44**	**46**	35	**49**	43	**50**	35	PN
R0681	Residential	NCA01	37	**46**	**52**	**48**	33	**51**	43	**45**	34	**48**	43	**50**	34	PN
R0682	Residential	NCA01	40	**48**	**51**	**47**	30	**51**	43	**45**	33	**51**	**44**	**51**	37	PN
R0683	Residential	NCA01	30	40	**46**	43	27	**47**	36	37	26	40	37	**44**	27	-
R0684	Residential	NCA01	35	**45**	**49**	**46**	32	**49**	39	42	29	**47**	42	**49**	32	PN
R0685	Residential	NCA01	39	**47**	**48**	**48**	28	**49**	**44**	**47**	35	**50**	43	**50**	36	PN
R0686	Residential	NCA01	37	**46**	**51**	**48**	34	**51**	43	**46**	34	**49**	43	**50**	34	PN
R0687	Residential	NCA01	35	**44**	**51**	**47**	32	**50**	42	**44**	32	**46**	42	**48**	32	PN
R0688	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**44**	**46**	34	**46**	43	**50**	33	PN
R0689	Residential	NCA03	36	**48**	42	39	26	42	35	37	27	**51**	**46**	**53**	33	PN
R0690	Residential	NCA01	39	**47**	**52**	**48**	34	**52**	**45**	**46**	35	**50**	**44**	**51**	36	PN
R0691	Residential	NCA03	36	**44**	**43**	39	25	41	37	38	26	**51**	**44**	**50**	33	PN
R0692	Educational institute	NCA03	45	42	41	37	23	40	34	35	23	47	40	47	42	-
R0693	Active recreation	NCA03	39	48	46	42	28	46	39	41	30	54	46	53	36	-
R0694	Residential	NCA01	43	**49**	**52**	**49**	34	**52**	**46**	**48**	37	**53**	**46**	**52**	40	PN
R0695	Residential	NCA01	41	**46**	**50**	**48**	29	**49**	**44**	**46**	34	**52**	43	**50**	38	PN
R0696	Residential	NCA01	43	**49**	**51**	**49**	33	**50**	**46**	**49**	36	**54**	**47**	**53**	40	PN
R0697	Residential	NCA01	35	**45**	**50**	**47**	32	**50**	41	43	31	**46**	42	**49**	32	PN
R0698	Residential	NCA01	30	40	**49**	**45**	30	**48**	35	37	26	41	39	**46**	27	PN
R0699	Residential	NCA03	35	**45**	**44**	40	26	**43**	37	38	26	**48**	**44**	**50**	32	PN
R0700	Residential	NCA03	38	**49**	**45**	42	27	**45**	38	40	29	**51**	**48**	**55**	35	PN
R0701	Residential	NCA01	37	**46**	**52**	**48**	35	**51**	**44**	**46**	36	**48**	43	**50**	34	PN
R0702	Residential	NCA01	33	**44**	**51**	**47**	32	**52**	40	41	30	**44**	42	**48**	30	PN
R0703	Residential	NCA01	40	**47**	**53**	**49**	35	**53**	**45**	**48**	36	**51**	**44**	**51**	37	PN
R0704	Residential	NCA01	33	42	**49**	**45**	28	**49**	39	40	29	**45**	39	**46**	30	PN
R0705	Residential	NCA01	28	38	**44**	40	26	**44**	35	36	25	40	35	42	25	-
R0706	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**44**	**46**	34	**48**	**44**	**50**	34	PN
R0707	Residential	NCA01	31	39	**44**	40	25	43	37	38	27	42	36	43	28	-
R0708	Residential	NCA01	35	43	**50**	**46**	31	**50**	40	41	31	**46**	41	**48**	32	PN
R0709	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	43	**45**	34	**48**	**44**	**51**	34	PN
R0710	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	43	**45**	33	**47**	43	**50**	34	PN
R0711	Residential	NCA01	40	**49**	**51**	**47**	30	**50**	**46**	**47**	36	**53**	**45**	**52**	37	PN
R0712	Residential	NCA01	42	**48**	**52**	**48**	31	**51**	**46**	**47**	37	**53**	**45**	**52**	39	PN
R0713	Residential	NCA03	39	40	40	37	23	39	33	35	23	**45**	38	**45**	36	-
R0714	Residential	NCA01	40	**47**	**51**	**48**	32	**51**	**45**	**46**	35	**51**	**44**	**51**	37	PN
R0715	Residential	NCA01	38	**48**	**52**	**49**	33	**52**	**45**	**47**	32	**49**	43	**50**	35	PN
R0716	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**46**	42	**49**	32	PN
R0717	Residential	NCA01	37	**45**	**52**	**48**	33	**51**	43	**45**	34	**48**	43	**50**	34	PN
R0718	Residential	NCA03	39	**48**	**43**	39	25	41	36	38	27	**49**	**46**	**52**	36	PN
R0719	Residential	NCA01	37	**46**	**51**	**48**	33	**51**	**44**	**46**	35	**49**	43	**50**	34	PN
R0720	Residential	NCA01	30	39	**46**	43	28	**47**	36	37	26	40	37	**44**	27	-
R0721	Residential	NCA01	40	**48**	**51**	**47**	31	**51**	**44**	**45**	33	**51**	**44**	**51**	37	PN
R0722	Residential	NCA01	30	38	**45**	41	27	**45**	36	38	25	39	35	42	27	-
R0723	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**47**	42	**49**	32	PN
R0724	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	41	43	31	**47**	42	**49**	32	PN
R0725	Residential	NCA01	36	**46**	**52**	**49**	33	**52**	43	**45**	34	**49**	**44**	**51**	33	PN
R0726	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	**44**	**45**	33	**47**	43	**50**	34	PN
R0727	Residential	NCA01	40	**46**	**51**	**47**	30	**50**	42	**44**	33	**50**	43	**49**	37	PN
R0728	Residential	NCA03	**47**	**46**	40	36	23	39	32	34	21	**49**	**44**	**51**	**44**	PN
R0729	Residential	NCA01	40	**50**	**51**	**50**	33	**50**	**48**	**50**	36	**54**	**46**	**53**	37	PN
R0730	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	32	**46**	43	**50**	32	PN
R0731	Residential	NCA01	38	**48**	**52**	**48**	33	**52**	**45**	**47**	35	**50**	43	**50**	35	PN
R0732	Residential	NCA01	40	**47**	**51**	**49**	31	**51**	**46**	**47**	36	**52**	**44**	**51**	37	PN
R0733	Residential	NCA01	40	**47**	**51**	**48**	32	**52**	**45**	**46**	33	**51**	43	**50**	37	PN
R0734	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	**44**	**46**	34	**48**	**44**	**51**	34	PN
R0735	Residential	NCA01	30	39	**46**	43	28	**46**	36	38	26	41	36	43	27	-
R0736	Educational institute	NCA03	40	36	39	35	22	38	31	32	18	42	34	41	37	-
R0737	Residential	NCA01	38	**48**	**53**	**50**	35	**53**	**45**	**47**	36	**49**	**45**	**52**	35	PN
R0738	Residential	NCA01	23	31	39	34	21	40	29	30	18	35	28	36	20	-
R0739	Residential	NCA03	42	**52**	**46**	**43**	28	**45**	39	40	30	**54**	**49**	**56**	39	PN
R0740	Residential	NCA03	**45**	**46**	42	38	24	41	35	36	25	**49**	**44**	**51**	42	PN
R0741	Residential	NCA03	39	**51**	**46**	42	28	**44**	39	40	29	**53**	**48**	**55**	36	PN
R0742	Residential	NCA01	38	**48**	**53**	**50**	35	**53**	**45**	**47**	36	**50**	**45**	**52**	35	PN
R0743	Residential	NCA01	31	43	**50**	**46**	33	**50**	38	39	28	42	41	**48**	28	PN
R0744	Medical facility	NCA03	45	43	40	37	22	40	33	35	23	46	39	45	42	-
R0745	Residential	NCA01	41	**48**	**53**	**50**	35	**53**	**46**	**48**	37	**51**	**45**	**52**	38	PN
R0746	Residential	NCA03	41	**49**	41	38	25	41	35	37	26	**45**	**46**	**53**	38	PN
R0747	Residential	NCA03	37	36	34	30	16	34	27	29	14	**43**	34	41	34	-
R0748	Residential	NCA01	40	**48**	**52**	**48**	30	**51**	42	**44**	30	**51**	**45**	**52**	37	PN
R0749	Residential	NCA03	**49**	**49**	**43**	40	26	42	36	38	26	**50**	**46**	**53**	**46**	PN
R0750	Residential	NCA01	30	37	43	39	26	43	35	37	25	41	34	41	27	-
R0751	Commercial	NCA03	38	52	45	41	27	43	38	40	29	54	48	55	35	-
R0752	Residential	NCA01	41	**49**	**50**	**48**	29	**50**	**47**	**48**	37	**52**	**46**	**52**	38	PN
R0753	Residential	NCA01	38	**48**	**52**	**50**	35	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0754	Residential	NCA03	38	**47**	**43**	39	24	42	34	36	25	**54**	**45**	**52**	35	PN
R0755	Residential	NCA01	33	42	**50**	**46**	32	**50**	40	41	31	**45**	40	**47**	30	PN
R0756	Residential	NCA01	42	**47**	**51**	**47**	32	**51**	43	**45**	34	**54**	**44**	**51**	39	PN
R0757	Residential	NCA01	27	34	41	37	24	41	32	33	23	39	32	38	24	-
R0758	Residential	NCA03	**49**	**48**	**43**	40	26	**43**	37	38	26	**50**	**46**	**53**	**46**	PN
R0759	Residential	NCA01	39	**47**	**52**	**48**	32	**52**	**44**	**46**	32	**50**	**44**	**51**	36	PN
R0760	Residential	NCA01	38	**47**	**52**	**48**	33	**52**	**45**	**47**	34	**50**	43	**50**	35	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0761	Residential	NCA01	**46**	**51**	**51**	**48**	32	**51**	**44**	**46**	33	**55**	**47**	**54**	43	PN
R0762	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	**44**	**51**	34	PN
R0763	Residential	NCA03	**50**	**48**	**43**	40	25	42	36	38	27	**51**	**46**	**53**	**47**	PN
R0764	Residential	NCA01	28	40	**47**	43	29	**47**	35	37	24	39	37	43	25	-
R0765	Residential	NCA01	27	33	39	35	22	39	31	32	21	37	30	36	24	-
R0766	Residential	NCA01	36	**46**	**52**	**48**	32	**52**	43	**44**	33	**47**	43	**50**	33	PN
R0767	Educational institute	NCA03	47	44	40	37	23	40	34	36	24	47	41	49	44	-
R0768	Residential	NCA01	40	**49**	**54**	**51**	36	**53**	**46**	**48**	37	**51**	**46**	**53**	37	PN
R0769	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	43	**44**	33	**46**	43	**50**	33	PN
R0770	Residential	NCA01	30	41	**49**	**45**	31	**49**	35	37	25	40	40	**47**	27	PN
R0771	Residential	NCA03	42	**51**	**45**	42	28	**44**	39	41	29	**52**	**49**	**55**	39	PN
R0772	Residential	NCA01	28	34	38	35	22	38	32	34	23	39	32	39	25	-
R0773	Residential	NCA03	41	**51**	**43**	40	26	42	36	38	27	**47**	**48**	**55**	38	PN
R0774	Residential	NCA01	39	**49**	**54**	**51**	37	**53**	**46**	**48**	37	**51**	**46**	**52**	36	PN
R0775	Residential	NCA01	32	**45**	**51**	**47**	32	**50**	39	41	29	**44**	42	**49**	29	PN
R0776	Educational institute	NCA03	39	36	38	34	20	37	29	32	16	42	34	41	36	-
R0777	Residential	NCA03	**47**	**53**	**44**	41	27	**44**	38	39	28	**52**	**50**	**57**	**44**	PN
R0778	Residential	NCA01	37	**48**	**54**	**50**	35	**54**	43	**45**	34	**48**	**45**	**52**	34	PN
R0779	Residential	NCA01	34	**46**	**51**	**48**	30	**52**	41	43	30	**46**	43	**50**	31	PN
R0780	Residential	NCA01	36	**47**	**53**	**49**	33	**52**	43	**45**	34	**48**	**44**	**51**	33	PN
R0781	Residential	NCA01	39	**46**	**52**	**49**	33	**53**	43	**45**	32	**50**	**44**	**51**	36	PN
R0782	Residential	NCA01	35	**45**	**50**	**47**	32	**50**	42	**44**	32	**46**	42	**49**	32	PN
R0783	Active recreation	NCA03	45	52	50	48	32	50	45	47	34	57	49	56	42	-
R0784	Residential	NCA03	38	**44**	**43**	40	26	42	37	38	27	**50**	**43**	**50**	35	PN
R0785	Educational institute	NCA03	48	44	40	37	23	40	33	35	24	48	41	49	45	-
R0786	Residential	NCA01	27	33	39	35	21	40	31	33	21	38	30	37	24	-
R0787	Residential	NCA01	38	**46**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	43	**50**	35	PN
R0788	Residential	NCA01	39	**48**	**52**	**48**	30	**51**	43	**44**	34	**51**	**45**	**52**	36	PN
R0789	Residential	NCA01	33	**44**	**51**	**47**	33	**50**	40	42	31	**44**	41	**48**	30	PN
R0790	Residential	NCA03	39	**45**	41	38	24	40	35	36	25	**49**	**43**	**50**	36	PN
R0791	Residential	NCA01	36	**48**	**54**	**51**	35	**53**	**44**	**45**	34	**48**	**46**	**52**	33	PN
R0792	Residential	NCA03	40	**49**	**45**	41	27	**44**	38	40	29	**50**	**46**	**52**	37	PN
R0793	Residential	NCA03	38	**46**	**45**	41	27	**43**	38	39	28	**50**	42	**50**	35	PN
R0794	Residential	NCA03	**43**	**48**	**44**	40	27	**44**	37	39	28	**51**	**46**	**53**	40	PN
R0795	Residential	NCA01	38	**46**	**52**	**48**	35	**51**	**44**	**47**	36	**49**	43	**50**	35	PN
R0796	Residential	NCA03	**46**	**51**	42	39	24	40	35	36	26	**49**	**51**	**57**	**43**	PN
R0797	Residential	NCA01	35	**46**	**52**	**48**	34	**52**	40	42	32	**45**	43	**50**	32	PN
R0798	Residential	NCA01	34	**45**	**50**	**48**	30	**50**	41	43	30	**45**	42	**49**	31	PN
R0799	Residential	NCA01	33	**47**	**51**	**48**	32	**51**	41	42	30	**44**	**44**	**49**	30	PN
R0800	Residential	NCA01	32	**45**	**52**	**48**	33	**51**	38	39	27	42	43	**49**	29	PN
R0801	Residential	NCA01	31	42	**50**	**46**	32	**50**	37	39	27	42	40	**47**	28	PN
R0802	Residential	NCA01	**47**	**53**	**51**	**51**	33	**51**	**49**	**51**	37	**56**	**50**	**57**	**44**	PN
R0803	Residential	NCA01	39	**46**	**52**	**48**	32	**52**	**45**	**45**	34	**50**	**44**	**51**	36	PN
R0804	Residential	NCA03	37	**44**	**44**	41	27	**43**	38	40	29	**49**	**43**	**50**	34	PN
R0805	Residential	NCA01	38	**46**	**52**	**48**	35	**52**	**44**	**47**	36	**48**	43	**50**	35	PN
R0806	Educational institute	NCA03	47	43	40	37	23	39	33	35	22	45	41	48	44	-
R0807	Residential	NCA03	39	**47**	**46**	42	28	**44**	39	41	29	**53**	**44**	**51**	36	PN
R0808	Residential	NCA01	39	**47**	**53**	**49**	34	**52**	**45**	**47**	35	**50**	**44**	**51**	36	PN
R0809	Residential	NCA01	30	36	41	37	23	41	34	35	24	40	33	40	27	-
R0810	Educational institute	NCA03	46	44	41	37	22	40	34	35	22	48	42	49	43	-
R0811	Residential	NCA01	36	**47**	**52**	**48**	34	**52**	42	**44**	33	**46**	**44**	**51**	33	PN
R0812	Residential	NCA03	40	**53**	**48**	**45**	30	**48**	42	**44**	31	**56**	**51**	**58**	37	PN, V, SN, RO
R0813	Residential	NCA01	30	40	**48**	**44**	30	**48**	35	36	24	40	38	**45**	27	-
R0814	Residential	NCA01	41	**51**	**50**	**49**	29	**49**	**47**	**48**	36	**52**	**48**	**53**	38	PN
R0815	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**45**	**51**	35	PN
R0816	Residential	NCA03	39	**51**	**47**	**44**	30	**47**	41	42	31	**53**	**49**	**55**	36	PN
R0817	Residential	NCA03	42	**54**	**49**	**45**	30	**48**	**43**	**44**	33	**56**	**51**	**58**	39	PN, V, SN, RO
R0818	Educational institute	NCA03	50	43	40	37	23	40	33	35	22	46	40	47	47	-
R0819	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	41	43	31	**46**	42	**49**	32	PN
R0820	Residential	NCA01	35	**47**	**53**	**49**	35	**53**	42	**44**	32	**46**	**44**	**51**	32	PN
R0821	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	43	**45**	33	**48**	43	**50**	34	PN
R0822	Residential	NCA01	42	**52**	**51**	**47**	30	**50**	**47**	**49**	36	**54**	**48**	**55**	39	PN
R0823	Residential	NCA03	40	**50**	**46**	**43**	29	**45**	40	42	30	**54**	**47**	**54**	37	PN
R0824	Residential	NCA01	28	38	**46**	42	27	**45**	31	33	23	40	35	42	25	-
R0825	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	43	**46**	34	**48**	**44**	**51**	34	PN
R0826	Residential	NCA01	40	**49**	**46**	**47**	27	**46**	**47**	**49**	37	**51**	**47**	**53**	37	PN
R0827	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	41	43	31	**46**	43	**50**	31	PN
R0828	Residential	NCA01	35	**46**	**52**	**48**	32	**52**	41	43	31	**45**	43	**50**	32	PN
R0829	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**44**	**44**	32	**47**	43	**50**	33	PN
R0830	Residential	NCA01	31	**44**	**51**	**47**	33	**50**	34	35	24	42	41	**48**	28	PN
R0831	Residential	NCA01	40	**48**	**50**	**48**	32	**49**	**46**	**48**	37	**52**	**45**	**52**	37	PN
R0832	Residential	NCA01	38	**48**	**53**	**50**	33	**53**	**46**	**48**	34	**49**	**44**	**51**	35	PN
R0833	Residential	NCA01	41	**47**	**52**	**49**	32	**51**	**45**	**47**	36	**52**	**44**	**51**	38	PN
R0834	Residential	NCA01	37	**47**	**53**	**49**	32	**52**	43	**45**	34	**48**	**44**	**50**	34	PN
R0835	Residential	NCA01	40	**50**	**49**	**45**	28	**50**	43	**45**	34	**52**	**47**	**54**	37	PN
R0836	Residential	NCA01	28	41	**48**	**44**	30	**48**	35	36	25	39	38	**46**	25	-
R0837	Residential	NCA01	31	37	43	39	25	43	35	37	25	39	34	41	28	-
R0838	Residential	NCA01	35	**46**	**52**	**48**	33	**51**	42	43	31	**46**	43	**49**	32	PN
R0839	Residential	NCA01	42	**50**	**51**	**47**	31	**51**	**46**	**48**	36	**53**	**47**	**54**	39	PN
R0840	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	43	**45**	33	**47**	**44**	**51**	34	PN
R0841	Residential	NCA03	38	**51**	**44**	41	27	**43**	37	39	29	**50**	**48**	**55**	35	PN
R0842	Educational institute	NCA03	45	37	36	33	19	36	29	30	17	40	34	41	42	-
R0843	Residential	NCA01	43	**52**	**49**	**50**	29	**49**	**46**	**48**	36	**53**	**48**	**55**	40	PN
R0844	Residential	NCA01	37	**46**	**51**	**48**	32	**51**	43	**45**	33	**47**	**44**	**50**	34	PN
R0845	Residential	NCA01	39	**47**	**52**	**48**	33	**52**	**45**	**47**	34	**51**	43	**50**	36	PN
R0846	Residential	NCA03	38	**48**	**44**	41	27	**43**	38	40	29	**54**	**46**	**53**	35	PN
R0847	Residential	NCA01	40	**48**	**53**	**49**	32	**52**	**45**	**47**	35	**51**	**45**	**52**	37	PN
R0848	Residential	NCA01	26	33	38	34	21	38	31	32	21	37	29	36	23	-
R0849	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	43	**45**	33	**47**	43	**50**	33	PN
R0850	Residential	NCA01	**47**	**52**	**50**	**47**	31	**50**	**46**	**48**	37	**56**	**49**	**56**	**44**	PN
R0851	Active recreation	NCA03	46	53	50	49	32	53	46	48	35	58	50	57	43	-
R0852	Medical facility	NCA03	44	43	38	35	21	38	31	33	22	45	40	47	41	-
R0853	Residential	NCA01	30	40	**48**	**44**	29	**47**	37	38	26	39	38	**45**	27	-
R0854	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	40	42	30	43	43	**50**	31	PN
R0855	Residential	NCA01	**48**	**53**	**54**	**51**	35	**54**	**49**	**51**	37	**57**	**49**	**56**	**45**	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0856	Residential	NCA03	40	**53**	**47**	**44**	29	**47**	41	**43**	31	**53**	**51**	**58**	37	PN, V, SN, RO
R0857	Residential	NCA03	41	**51**	**50**	**47**	32	**50**	**44**	**46**	33	**55**	**48**	**55**	38	PN
R0858	Residential	NCA01	26	32	38	34	21	38	30	32	21	38	29	36	23	-
R0859	Residential	NCA01	37	**46**	**52**	**49**	33	**53**	42	**44**	32	**47**	**44**	**51**	34	PN
R0860	Residential	NCA01	41	**52**	**58**	**54**	38	**54**	**50**	**52**	40	**53**	**49**	**55**	38	PN
R0861	Residential	NCA01	34	**46**	**52**	**48**	34	**52**	41	43	32	**46**	43	**50**	31	PN
R0862	Residential	NCA01	31	43	**51**	**47**	33	**50**	35	38	24	42	41	**48**	28	PN
R0863	Residential	NCA03	36	**52**	**45**	41	28	**44**	38	40	29	**47**	**50**	**56**	33	PN
R0864	Residential	NCA03	40	**50**	**50**	**47**	31	**51**	**45**	**47**	34	**54**	**48**	**54**	37	PN
R0865	Residential	NCA03	40	**52**	**48**	**45**	30	**48**	42	**43**	33	**54**	**49**	**56**	37	PN
R0866	Educational institute	NCA03	40	39	38	34	20	38	31	33	20	43	36	43	37	-
R0867	Residential	NCA01	39	**49**	**52**	**50**	34	**53**	**46**	**48**	36	**50**	**44**	**51**	36	PN
R0868	Residential	NCA03	37	**51**	**44**	40	26	**44**	36	38	25	**54**	**47**	**54**	34	PN
R0869	Residential	NCA03	40	**52**	**48**	**45**	30	**48**	42	**44**	33	**55**	**49**	**55**	37	PN
R0870	Residential	NCA03	**47**	**47**	**43**	39	24	42	35	37	26	**49**	**45**	**52**	**44**	PN
R0871	Residential	NCA01	37	**46**	**52**	**49**	34	**52**	**44**	**45**	35	**48**	**44**	**51**	34	PN
R0872	Residential	NCA03	40	**51**	**46**	**43**	28	**46**	40	42	31	**54**	**48**	**54**	37	PN
R0873	Residential	NCA01	33	42	**50**	**46**	32	**49**	37	40	28	**44**	40	**46**	30	PN
R0874	Residential	NCA03	40	**48**	**47**	**43**	29	**45**	40	41	31	**52**	**46**	**52**	37	PN
R0875	Residential	NCA03	40	**51**	**48**	**45**	30	**48**	42	**43**	32	**55**	**48**	**55**	37	PN
R0876	Residential	NCA01	36	**47**	**52**	**49**	33	**52**	43	**45**	34	**47**	**44**	**51**	33	PN
R0877	Residential	NCA03	42	**45**	40	36	22	39	33	34	22	**48**	**43**	**50**	39	PN
R0878	Residential	NCA03	37	**45**	**46**	42	27	**46**	39	40	26	**48**	**45**	**52**	34	PN
R0879	Residential	NCA03	42	**52**	**45**	41	27	**45**	37	39	28	**57**	**50**	**56**	39	PN
R0880	Residential	NCA01	40	**51**	**49**	**47**	30	**49**	43	**45**	34	**52**	**48**	**55**	37	PN
R0881	Residential	NCA01	36	**47**	**50**	**49**	32	**50**	43	**44**	33	**46**	43	**50**	33	PN
R0882	Residential	NCA03	42	**52**	**49**	**45**	31	**49**	42	**44**	33	**56**	**50**	**57**	39	PN
R0883	Residential	NCA03	**49**	**54**	**53**	**49**	33	**54**	**47**	**49**	37	**60**	**51**	**58**	**46**	PN, V, SN, RO
R0884	Residential	NCA01	36	**46**	**53**	**49**	32	**53**	43	**45**	33	**47**	**44**	**51**	33	PN
R0885	Residential	NCA01	**46**	**52**	**50**	**49**	30	**50**	**47**	**49**	37	**55**	**49**	**56**	43	PN
R0886	Residential	NCA01	38	**48**	**53**	**50**	36	**52**	**46**	**48**	37	**49**	**45**	**52**	35	PN
R0887	Residential	NCA01	29	36	42	38	25	42	33	35	25	41	33	40	26	-
R0888	Educational institute	NCA03	44	42	42	38	24	41	34	36	24	48	39	46	41	-
R0889	Residential	NCA03	**45**	**46**	42	38	24	41	35	37	26	**50**	**44**	**51**	42	PN
R0890	Residential	NCA01	29	40	**48**	**44**	30	**47**	36	37	26	41	38	**45**	26	-
R0891	Residential	NCA01	40	**48**	**53**	**49**	32	**53**	**45**	**47**	35	**51**	**44**	**51**	37	PN
R0892	Educational institute	NCA03	48	43	40	36	23	40	33	34	24	46	41	48	45	-
R0893	Residential	NCA01	40	**48**	**53**	**49**	34	**53**	**46**	**48**	36	**51**	**44**	**51**	37	PN
R0894	Residential	NCA01	42	**50**	**53**	**50**	35	**53**	**47**	**48**	37	**53**	**47**	**54**	39	PN
R0895	Residential	NCA03	**47**	**51**	**45**	42	28	**44**	38	40	29	**53**	**49**	**55**	**44**	PN
R0896	Residential	NCA03	**45**	**44**	41	38	23	40	34	36	25	**48**	42	**50**	42	PN
R0897	Residential	NCA01	35	**46**	**52**	**48**	33	**52**	41	43	29	**46**	43	**50**	32	PN
R0898	Residential	NCA03	39	**51**	42	38	25	41	35	36	24	**50**	**48**	**55**	36	PN
R0899	Residential	NCA01	39	**48**	**54**	**50**	37	**51**	**46**	**48**	38	**50**	**45**	**52**	36	PN
R0900	Residential	NCA01	39	**48**	**53**	**50**	36	**53**	**45**	**47**	37	**51**	**45**	**52**	36	PN
R0901	Residential	NCA01	30	40	**48**	**44**	29	**47**	36	38	26	41	38	**45**	27	-
R0902	Residential	NCA01	37	**48**	**54**	**50**	35	**53**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R0903	Residential	NCA01	32	42	**49**	**45**	30	**49**	38	39	28	41	40	**47**	29	PN
R0904	Residential	NCA01	27	34	41	37	23	42	33	34	23	39	31	38	24	-
R0905	Residential	NCA01	**47**	**53**	**53**	**50**	34	**51**	**47**	**49**	37	**57**	**50**	**57**	**44**	PN
R0906	Residential	NCA03	34	**51**	**43**	40	26	**43**	36	38	28	**46**	**49**	**56**	31	PN
R0907	Residential	NCA01	28	35	41	38	24	41	32	34	24	39	32	38	25	-
R0908	Residential	NCA01	**47**	**52**	**50**	**50**	30	**49**	**47**	**49**	37	**56**	**48**	**55**	**44**	PN
R0909	Residential	NCA03	42	**52**	**48**	**44**	29	**47**	41	**43**	31	**57**	**49**	**56**	39	PN
R0910	Residential	NCA01	28	34	41	37	23	41	31	33	23	39	32	38	25	-
R0911	Residential	NCA01	36	**48**	**53**	**50**	35	**53**	**44**	**46**	34	**48**	**45**	**51**	33	PN
R0912	Residential	NCA01	34	**45**	**52**	**48**	35	**52**	40	42	31	**45**	43	**50**	31	PN
R0913	Educational institute	NCA03	47	42	39	36	22	39	32	34	22	45	39	46	44	-
R0914	Residential	NCA03	42	**52**	**49**	**45**	30	**48**	42	**43**	32	**57**	**50**	**57**	39	PN
R0915	Residential	NCA03	**53**	**48**	**43**	39	25	42	36	37	26	**51**	**45**	**52**	**50**	PN
R0916	Residential	NCA03	**46**	**53**	**47**	**44**	28	**46**	41	42	31	**54**	**51**	**57**	**43**	PN
R0917	Residential	NCA01	36	**48**	**53**	**50**	34	**53**	**44**	**45**	34	**47**	**45**	**52**	33	PN
R0918	Residential	NCA01	41	**50**	**54**	**51**	37	**54**	**46**	**48**	38	**52**	**46**	**53**	38	PN
R0919	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	43	**45**	33	**48**	**44**	**51**	34	PN
R0920	Residential	NCA01	38	**47**	**53**	**49**	35	**53**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0921	Residential	NCA03	42	**53**	**47**	**43**	29	**45**	40	42	31	**57**	**50**	**57**	39	PN
R0922	Residential	NCA01	26	39	**46**	42	28	**45**	32	34	22	37	36	42	23	-
R0923	Residential	NCA01	**46**	**52**	**51**	**47**	30	**50**	**47**	**49**	38	**54**	**49**	**54**	43	PN
R0924	Residential	NCA01	30	**47**	**52**	**49**	33	**52**	37	39	27	42	**44**	**51**	27	PN
R0925	Residential	NCA01	**46**	**53**	**51**	**51**	30	**50**	**47**	**49**	38	**56**	**49**	**56**	43	PN
R0926	Residential	NCA01	38	**47**	**52**	**49**	35	**52**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0927	Residential	NCA03	**43**	**51**	**47**	**44**	29	**46**	41	42	31	**56**	**49**	**56**	40	PN
R0928	Residential	NCA03	41	**51**	**48**	**45**	30	**48**	42	**44**	32	**55**	**48**	**55**	38	PN
R0929	Residential	NCA01	29	41	**48**	**44**	30	**48**	35	36	25	40	38	**45**	26	-
R0930	Residential	NCA01	24	38	**45**	41	28	**45**	30	32	20	35	36	42	21	-
R0931	Residential	NCA01	28	35	43	39	25	**45**	32	33	23	40	33	40	25	-
R0932	Residential	NCA03	**52**	**48**	**43**	40	26	42	36	38	26	**51**	**46**	**53**	**49**	PN
R0933	Residential	NCA01	**47**	**53**	**54**	**51**	35	**51**	**49**	**51**	37	**57**	**49**	**56**	**44**	PN
R0934	Residential	NCA01	27	36	43	39	25	42	32	34	23	39	33	40	24	-
R0935	Residential	NCA01	33	**47**	**52**	**49**	31	**52**	41	43	30	**45**	**44**	**50**	30	PN
R0936	Residential	NCA03	39	**49**	**44**	41	27	**43**	38	39	29	**56**	**48**	**54**	36	PN
R0937	Residential	NCA01	32	**46**	**52**	**48**	32	**52**	37	39	25	41	43	**50**	29	PN
R0938	Residential	NCA01	22	32	38	34	20	38	29	32	17	33	29	36	19	-
R0939	Residential	NCA01	31	**44**	**52**	**48**	33	**52**	38	39	28	42	42	**49**	28	PN
R0940	Residential	NCA01	42	**52**	**53**	**50**	32	**53**	**47**	**49**	36	**53**	**48**	**55**	39	PN
R0941	Residential	NCA01	40	**49**	**53**	**49**	33	**53**	**46**	**47**	35	**51**	**45**	**52**	37	PN
R0942	Residential	NCA01	40	**49**	**53**	**50**	35	**54**	**46**	**48**	36	**50**	**45**	**52**	37	PN
R0943	Residential	NCA03	41	**54**	**45**	**43**	28	**45**	39	41	30	**55**	**50**	**57**	38	PN
R0944	Residential	NCA03	**46**	**46**	**43**	39	24	42	35	37	26	**49**	**44**	**50**	**43**	PN
R0945	Residential	NCA01	**44**	**51**	**51**	**50**	31	**50**	**47**	**49**	38	**55**	**49**	**56**	41	PN
R0946	Residential	NCA03	**52**	**54**	**44**	40	26	**43**	37	38	27	**52**	**51**	**57**	**49**	PN
R0947	Residential	NCA01	32	**46**	**52**	**48**	31	**52**	43	**44**	30	43	43	**50**	29	PN
R0948	Residential	NCA01	34	**46**	**52**	**48**	32	**51**	42	43	31	**46**	43	**50**	31	PN
R0949	Residential	NCA01	36	**48**	**54**	**50**	35	**54**	**44**	**46**	34	**48**	**45**	**52**	33	PN
R0950	Residential	NCA03	39	**50**	**47**	42	29	**45**	39	40	30	**48**	**48**	**54**	36	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0951	Residential	NCA01	43	**53**	**53**	**50**	35	**53**	**46**	**48**	35	**54**	**50**	**57**	40	PN
R0952	Residential	NCA01	32	**44**	**51**	**47**	33	**51**	38	39	27	43	41	**49**	29	PN
R0953	Residential	NCA01	37	**47**	**52**	**49**	32	**53**	43	**46**	33	**48**	**44**	**51**	34	PN
R0954	Residential	NCA03	34	**46**	**44**	40	26	42	36	38	25	**51**	**44**	**50**	31	PN
R0955	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	38	39	28	**44**	42	**48**	28	PN
R0956	Residential	NCA01	34	**46**	**51**	**48**	33	**51**	42	**44**	30	**45**	43	**50**	31	PN
R0957	Residential	NCA01	23	29	36	32	18	35	26	28	18	35	26	33	20	-
R0958	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	**44**	**45**	32	**48**	**44**	**51**	34	PN
R0959	Residential	NCA01	38	**49**	**54**	**51**	35	**55**	**44**	**46**	34	**49**	**46**	**53**	35	PN
R0960	Residential	NCA01	29	36	42	38	24	42	32	35	24	40	33	39	26	-
R0961	Residential	NCA01	42	**51**	**53**	**50**	33	**53**	**47**	**48**	37	**54**	**49**	**55**	39	PN
R0962	Residential	NCA01	31	42	**49**	**45**	30	**49**	37	39	27	42	39	**47**	28	-
R0963	Residential	NCA01	30	36	43	39	26	43	35	37	26	41	34	41	27	-
R0964	Residential	NCA01	36	**48**	**53**	**50**	36	**53**	43	**45**	33	**46**	**44**	**51**	33	PN
R0965	Residential	NCA01	35	**47**	**53**	**49**	34	**53**	42	**44**	32	**47**	**44**	**51**	32	PN
R0966	Residential	NCA03	42	**54**	**48**	**44**	30	**47**	41	**43**	32	**55**	**50**	**57**	39	PN
R0967	Residential	NCA01	27	35	42	38	25	**44**	30	32	22	39	32	40	24	-
R0968	Residential	NCA01	36	**47**	**53**	**49**	35	**53**	**44**	**45**	34	**48**	**45**	**52**	33	PN
R0969	Residential	NCA01	38	**47**	**52**	**49**	32	**52**	43	**45**	33	**47**	**44**	**51**	35	PN
R0970	Medical facility	NCA03	44	43	39	35	21	38	32	34	23	45	39	46	41	-
R0971	Residential	NCA01	28	36	42	38	24	43	33	35	24	40	33	40	25	-
R0972	Residential	NCA01	39	**48**	**54**	**50**	36	**54**	**46**	**48**	37	**48**	**45**	**52**	36	PN
R0973	Residential	NCA01	41	**52**	**53**	**49**	31	**52**	**44**	**45**	35	**53**	**48**	**55**	38	PN
R0974	Residential	NCA01	41	**49**	**54**	**50**	34	**54**	**47**	**48**	38	**50**	**45**	**52**	38	PN
R0975	Medical facility	NCA01	31	40	48	44	30	48	37	39	27	42	38	45	28	-
R0976	Residential	NCA01	**48**	**53**	**53**	**51**	33	**51**	**47**	**49**	36	**57**	**49**	**56**	**45**	PN
R0977	Residential	NCA01	36	**47**	**53**	**49**	33	**53**	43	**44**	33	**47**	**44**	**51**	33	PN
R0978	Residential	NCA01	38	**47**	**53**	**49**	32	**53**	43	**45**	33	**47**	**44**	**51**	35	PN
R0979	Residential	NCA03	41	**51**	**43**	39	25	42	36	38	25	**56**	**48**	**55**	38	PN
R0980	Residential	NCA03	40	**53**	**45**	42	28	**44**	39	41	30	**55**	**50**	**56**	37	PN
R0981	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	40	41	30	**46**	43	**49**	31	PN
R0982	Residential	NCA03	39	**51**	**46**	42	28	**45**	39	41	30	**56**	**49**	**56**	36	PN
R0983	Residential	NCA01	34	**46**	**53**	**49**	34	**52**	41	42	30	**44**	43	**50**	31	PN
R0984	Residential	NCA01	38	**49**	**54**	**51**	35	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN
R0985	Residential	NCA01	41	**49**	**53**	**50**	33	**53**	**46**	**48**	35	**51**	**45**	**52**	38	PN
R0986	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R0987	Residential	NCA03	**43**	**52**	**49**	**46**	31	**49**	**43**	**45**	32	**55**	**49**	**55**	40	PN
R0988	Residential	NCA01	27	35	41	37	24	41	32	33	22	39	31	38	24	-
R0989	Medical facility	NCA03	41	40	37	34	20	37	30	32	20	43	36	44	38	-
R0990	Residential	NCA01	40	**48**	**53**	**50**	34	**54**	**47**	**48**	37	**51**	**45**	**52**	37	PN
R0991	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN
R0992	Residential	NCA01	35	**48**	**53**	**50**	36	**54**	42	**44**	32	**46**	**45**	**51**	32	PN
R0993	Residential	NCA01	28	36	**44**	40	26	**45**	33	35	23	39	34	40	25	-
R0994	Residential	NCA01	36	**48**	**54**	**50**	36	**54**	**44**	**45**	34	**48**	**45**	**52**	33	PN
R0995	Residential	NCA01	36	**47**	**53**	**50**	34	**53**	**44**	**46**	34	**47**	**44**	**52**	33	PN
R0996	Residential	NCA03	41	**52**	**48**	**44**	30	**46**	41	**43**	32	**57**	**50**	**57**	38	PN
R0997	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	42	**44**	31	**46**	43	**50**	33	PN
R0998	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	40	41	29	**44**	42	**49**	30	PN
R0999	Residential	NCA03	**52**	**50**	**43**	39	25	42	36	37	27	**53**	**48**	**54**	**49**	PN
R1000	Residential	NCA01	34	**47**	**53**	**49**	33	**53**	40	42	29	**45**	**44**	**51**	31	PN
R1001	Residential	NCA01	37	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**48**	**44**	**51**	34	PN
R1002	Residential	NCA01	37	**49**	**54**	**51**	35	**54**	**44**	**46**	34	**48**	**46**	**53**	34	PN
R1003	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN
R1004	Residential	NCA01	33	42	**49**	**45**	30	**48**	39	41	29	**44**	39	**46**	30	-
R1005	Residential	NCA01	26	31	37	33	20	37	28	30	20	37	28	35	23	-
R1006	Residential	NCA01	32	43	**51**	**47**	32	**50**	38	40	29	43	41	**47**	29	PN
R1007	Residential	NCA03	40	**53**	**46**	42	29	**45**	38	40	28	**55**	**50**	**56**	37	PN
R1008	Residential	NCA01	27	37	**45**	42	27	**45**	30	32	22	39	35	42	24	-
R1009	Residential	NCA01	40	**48**	**53**	**50**	34	**54**	**45**	**48**	36	**51**	**45**	**52**	37	PN
R1010	Residential	NCA01	32	**44**	**52**	**48**	33	**51**	38	40	28	42	42	**49**	29	PN
R1011	Residential	NCA03	42	**54**	**48**	**44**	30	**47**	40	42	31	**57**	**51**	**58**	39	PN, V, SN, RO
R1012	Residential	NCA01	**48**	**53**	**53**	**52**	35	**52**	**50**	**52**	38	**57**	**50**	**57**	**45**	PN
R1013	Residential	NCA01	**45**	**52**	**51**	**50**	31	**50**	**47**	**49**	35	**54**	**49**	**56**	42	PN
R1014	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	36	38	26	**45**	43	**50**	31	PN
R1015	Residential	NCA01	31	39	**45**	41	27	**45**	37	38	26	41	36	43	28	-
R1016	Residential	NCA01	41	**50**	**53**	**51**	35	**53**	**47**	**49**	37	**51**	**45**	**53**	38	PN
R1017	Residential	NCA03	**52**	**54**	**44**	40	26	**43**	37	39	27	**53**	**52**	**57**	**49**	PN
R1018	Residential	NCA01	42	**50**	**56**	**52**	38	**55**	**48**	**50**	39	**53**	**47**	**53**	39	PN
R1019	Residential	NCA01	32	43	**49**	**45**	29	**49**	40	42	31	**44**	40	**47**	29	PN
R1020	Residential	NCA01	31	**46**	**52**	**48**	33	**52**	38	39	27	42	43	**50**	28	PN
R1021	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	43	**45**	34	**47**	**44**	**51**	34	PN
R1022	Residential	NCA01	40	**48**	**54**	**50**	33	**54**	**46**	**48**	35	**51**	**45**	**52**	37	PN
R1023	Residential	NCA01	42	**50**	**56**	**51**	38	**55**	**48**	**50**	39	**52**	**46**	**54**	39	PN
R1024	Residential	NCA03	39	**56**	**46**	**43**	28	**45**	40	42	30	**54**	**54**	**58**	36	PN, V, SN, RO
R1025	Medical facility	NCA01	34	46	52	48	34	52	41	42	30	46	43	50	31	-
R1026	Residential	NCA01	28	35	42	38	24	42	32	34	23	40	33	40	25	-
R1027	Residential	NCA03	**43**	**55**	**45**	42	28	**45**	39	41	30	**54**	**52**	**57**	40	PN
R1028	Residential	NCA01	39	**49**	**53**	**49**	34	**53**	**46**	**48**	37	**50**	**45**	**52**	36	PN
R1029	Residential	NCA03	**43**	**52**	**50**	**47**	31	**50**	**45**	**47**	34	**56**	**48**	**55**	40	PN
R1030	Residential	NCA01	28	38	**46**	42	28	**45**	31	33	23	39	35	42	25	-
R1031	Residential	NCA03	42	**52**	**49**	**45**	31	**48**	42	**44**	31	**56**	**49**	**56**	39	PN
R1032	Residential	NCA01	36	**47**	**52**	**49**	32	**52**	**44**	**45**	34	**48**	**44**	**51**	33	PN
R1033	Residential	NCA01	41	**49**	**55**	**51**	37	**53**	**47**	**49**	38	**52**	**46**	**54**	38	PN
R1034	Residential	NCA01	**48**	**54**	**52**	**53**	35	**52**	**50**	**52**	39	**57**	**51**	**58**	**45**	PN
R1035	Residential	NCA01	38	**47**	**53**	**49**	33	**53**	42	**44**	31	**49**	**44**	**51**	35	PN
R1036	Residential	NCA03	**44**	**54**	**46**	42	27	**45**	40	41	29	**53**	**51**	**58**	41	PN, V, SN, RO
R1037	Medical facility	NCA03	46	43	39	35	22	38	32	33	23	45	40	47	43	-
R1038	Residential	NCA01	28	36	43	39	24	43	34	35	24	40	33	40	25	-
R1039	Residential	NCA01	35	**47**	**52**	**48**	31	**52**	**45**	**47**	32	**47**	**45**	**52**	32	PN
R1040	Residential	NCA01	33	**47**	**53**	**49**	35	**53**	39	41	30	**45**	**44**	**50**	30	PN
R1041	Residential	NCA01	28	37	**45**	40	26	43	31	33	22	40	34	40	25	-
R1042	Residential	NCA01	40	**48**	**54**	**50**	34	**54**	**46**	**48**	37	**50**	**45**	**52**	37	PN
R1043	Residential	NCA01	**47**	**54**	**54**	**51**	36	**53**	**49**	**51**	38	**57**	**50**	**57**	**44**	PN
R1044	Residential	NCA01	37	**48**	**54**	**51**	34	**54**	41	43	32	**48**	**46**	**53**	34	PN
R1045	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1046	Residential	NCA03	**47**	**45**	41	38	24	41	34	36	24	**49**	**43**	**50**	**44**	PN
R1047	Residential	NCA03	41	**52**	**48**	**45**	30	**46**	42	**43**	31	**56**	**49**	**56**	38	PN
R1048	Residential	NCA03	**43**	**55**	**47**	**43**	29	**45**	41	**43**	31	**56**	**52**	**59**	40	PN, V, SN, RO
R1049	Residential	NCA03	**44**	**54**	**48**	**45**	31	**48**	42	**44**	32	**54**	**51**	**58**	41	PN, V, SN, RO
R1050	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	**44**	**46**	34	**49**	**46**	**53**	34	PN
R1051	Residential	NCA01	29	37	**44**	40	26	**45**	34	36	25	41	34	41	26	-
R1052	Residential	NCA03	40	**53**	40	38	23	38	35	36	26	**56**	**50**	**57**	37	PN
R1053	Residential	NCA01	**47**	**54**	**53**	**52**	36	**53**	**48**	**50**	39	**57**	**50**	**57**	**44**	PN
R1054	Residential	NCA03	**46**	**54**	**51**	**47**	33	**50**	**44**	**46**	32	**59**	**51**	**57**	**43**	PN, V, SN, RO
R1055	Residential	NCA03	**47**	**56**	**46**	42	28	**44**	40	42	29	**55**	**53**	**59**	**44**	PN, V, SN, RO
R1056	Residential	NCA03	**50**	**46**	41	38	24	41	35	37	26	**49**	**43**	**51**	**47**	PN
R1057	Residential	NCA01	40	**49**	**55**	**51**	37	**53**	**47**	**49**	38	**51**	**46**	**53**	37	PN
R1058	Residential	NCA01	37	**49**	**55**	**51**	36	**55**	**44**	**46**	34	**48**	**46**	**54**	34	PN
R1059	Residential	NCA01	35	**48**	**54**	**50**	35	**54**	**46**	**48**	36	**46**	**45**	**52**	32	PN
R1060	Residential	NCA01	**47**	**54**	**53**	**51**	35	**53**	**48**	**50**	39	**56**	**50**	**57**	**44**	PN
R1061	Residential	NCA01	34	**45**	**52**	**48**	32	**52**	41	43	31	**45**	43	**50**	31	PN
R1062	Residential	NCA03	**44**	**56**	**47**	**43**	28	**45**	40	42	30	**55**	**53**	**60**	41	PN, V, SN, RO
R1063	Residential	NCA01	36	**48**	**54**	**50**	35	**53**	43	**45**	34	**47**	**45**	**52**	33	PN
R1064	Residential	NCA03	**43**	**56**	**46**	**43**	29	**45**	41	**43**	31	**57**	**53**	**59**	40	PN, V, SN, RO
R1065	Residential	NCA01	**46**	**53**	**53**	**50**	34	**53**	**47**	**49**	36	**55**	**50**	**57**	43	PN
R1066	Residential	NCA01	**48**	**54**	**53**	**50**	36	**53**	**49**	**50**	39	**56**	**50**	**57**	**45**	PN
R1067	Residential	NCA03	41	**55**	**46**	**43**	29	**45**	40	41	30	**50**	**52**	**56**	38	PN
R1068	Residential	NCA01	41	**48**	**52**	**50**	31	**52**	**47**	**48**	36	**52**	**45**	**52**	38	PN
R1069	Residential	NCA01	33	42	**48**	**45**	29	**48**	40	41	29	43	39	**46**	30	-
R1070	Residential	NCA01	36	**47**	**53**	**50**	33	**52**	**45**	**46**	34	**46**	**45**	**52**	33	PN
R1071	Residential	NCA03	**43**	**55**	**47**	**44**	30	**47**	41	**43**	32	**58**	**52**	**59**	40	PN, V, SN, RO
R1072	Residential	NCA01	38	**50**	**55**	**52**	36	**54**	**44**	**46**	34	**48**	**47**	**53**	35	PN
R1073	Residential	NCA03	**50**	**46**	41	37	24	40	34	36	25	**50**	**43**	**51**	**47**	PN
R1074	Residential	NCA01	**44**	**52**	**53**	**49**	32	**53**	**47**	**48**	38	**54**	**49**	**56**	41	PN
R1075	Residential	NCA01	30	39	**46**	42	28	**46**	36	38	24	41	37	**44**	27	-
R1076	Residential	NCA03	**56**	**43**	34	31	17	34	26	27	16	**44**	42	**49**	**53**	PN
R1077	Residential	NCA01	33	**45**	**52**	**48**	34	**52**	40	41	30	**45**	42	**49**	30	PN
R1078	Residential	NCA01	39	**48**	**54**	**50**	36	**54**	**46**	**48**	37	**50**	**45**	**52**	36	PN
R1079	Residential	NCA01	**46**	**53**	**53**	**51**	32	**52**	**47**	**49**	36	**54**	**49**	**56**	43	PN
R1080	Residential	NCA01	33	**45**	**52**	**48**	34	**52**	39	40	29	**44**	43	**50**	30	PN
R1081	Residential	NCA01	28	37	43	40	26	43	33	35	24	40	35	40	25	-
R1082	Residential	NCA03	**49**	**55**	**53**	**50**	34	**55**	**47**	**49**	39	**56**	**51**	**58**	**46**	PN, V, SN, RO
R1083	Residential	NCA01	**44**	**50**	**54**	**50**	35	**53**	**46**	**48**	36	**53**	**47**	**53**	41	PN
R1084	Residential	NCA01	38	**48**	**53**	**50**	33	**53**	41	41	30	**49**	**46**	**52**	35	PN
R1085	Residential	NCA01	27	34	40	36	23	40	32	34	23	39	31	38	24	-
R1086	Educational institute	NCA03	52	43	41	37	24	40	34	36	24	47	40	45	49	-
R1087	Medical facility	NCA03	45	44	39	35	22	39	32	34	24	45	40	47	42	-
R1088	Residential	NCA03	**56**	**47**	42	38	24	41	35	36	26	**50**	**44**	**50**	**53**	PN
R1089	Residential	NCA01	33	43	**51**	**47**	32	**51**	39	41	29	**44**	41	**48**	30	PN
R1090	Residential	NCA01	24	30	34	30	17	34	26	28	18	36	27	34	21	-
R1091	Residential	NCA03	**44**	**51**	**48**	**44**	30	**48**	41	42	31	**57**	**48**	**55**	41	PN
R1092	Residential	NCA01	37	**48**	**54**	**50**	34	**54**	43	**45**	33	**48**	**46**	**52**	34	PN
R1093	Residential	NCA01	40	**49**	**54**	**51**	34	**54**	**47**	**49**	37	**51**	**46**	**53**	37	PN
R1094	Residential	NCA03	41	**51**	**44**	42	26	42	39	41	30	**56**	**49**	**56**	38	PN
R1095	Residential	NCA03	41	**55**	**46**	**45**	29	**45**	42	**43**	32	**57**	**52**	**58**	38	PN, V, SN, RO
R1096	Residential	NCA01	24	30	35	32	18	35	28	30	19	36	27	34	21	-
R1097	Residential	NCA03	40	**52**	**44**	41	26	**43**	37	39	28	**54**	**49**	**54**	37	PN
R1098	Residential	NCA01	23	32	38	34	20	38	27	29	17	34	30	36	20	-
R1099	Medical facility	NCA03	44	44	39	35	22	39	32	34	23	45	40	47	41	-
R1100	Residential	NCA01	30	38	**44**	40	25	43	35	37	26	42	35	42	27	-
R1101	Residential	NCA03	42	**53**	**46**	**44**	29	**45**	41	**43**	31	**57**	**49**	**56**	39	PN
R1102	Residential	NCA01	36	**48**	**53**	**50**	34	**53**	43	**45**	34	**48**	**45**	**52**	33	PN
R1103	Residential	NCA03	**53**	**46**	41	38	24	41	34	36	22	**50**	**44**	**52**	**50**	PN
R1104	Residential	NCA03	40	**50**	42	39	25	41	36	38	26	**51**	**47**	**54**	37	PN
R1105	Residential	NCA01	30	41	**49**	**45**	30	**48**	33	35	25	41	39	**45**	27	PN
R1106	Residential	NCA01	30	43	**51**	**47**	32	**50**	37	38	27	42	41	**47**	27	PN
R1107	Residential	NCA03	**45**	**53**	**50**	**47**	32	**49**	**45**	**46**	34	**56**	**50**	**57**	42	PN
R1108	Residential	NCA01	**47**	**54**	**54**	**51**	35	**54**	**48**	**49**	38	**55**	**51**	**58**	**44**	PN
R1109	Residential	NCA01	27	39	**46**	42	27	**46**	29	31	20	38	36	43	24	-
R1110	Residential	NCA01	23	35	41	37	23	41	26	28	18	35	32	37	20	-
R1111	Residential	NCA01	34	**47**	**54**	**49**	35	**53**	40	42	30	**45**	**44**	**51**	31	PN
R1112	Residential	NCA01	32	**44**	**50**	**47**	31	**50**	39	41	29	**44**	42	**49**	29	PN
R1113	Residential	NCA03	**54**	**50**	42	39	25	42	35	37	25	**52**	**48**	**55**	**51**	PN
R1114	Residential	NCA01	33	42	**49**	**45**	30	**49**	39	41	29	**44**	39	**46**	30	PN
R1115	Residential	NCA01	29	38	**45**	41	27	**45**	36	37	26	40	35	42	26	-
R1116	Residential	NCA03	**43**	**54**	**46**	42	28	**44**	39	41	30	**50**	**51**	**58**	40	PN, V, SN, RO
R1117	Residential	NCA01	41	**50**	**55**	**50**	36	**54**	**48**	**49**	38	**53**	**46**	**54**	38	PN
R1118	Residential	NCA01	30	39	**47**	43	29	**47**	33	35	25	41	37	43	27	-
R1119	Residential	NCA01	39	**49**	**54**	**51**	37	**54**	**47**	**49**	38	**51**	**46**	**53**	36	PN
R1120	Residential	NCA01	41	**51**	**57**	**53**	39	**55**	**49**	**51**	40	**52**	**48**	**56**	38	PN
R1121	Residential	NCA01	41	**50**	**55**	**52**	37	**53**	**48**	**50**	37	**51**	**47**	**54**	38	PN
R1122	Residential	NCA01	26	31	36	32	19	35	27	29	20	38	28	35	23	-
R1123	Residential	NCA03	**52**	**46**	39	36	22	39	32	34	22	**51**	**43**	**50**	**49**	PN
R1124	Residential	NCA01	41	**49**	**55**	**51**	36	**54**	**46**	**48**	37	**50**	**46**	**53**	38	PN
R1125	Residential	NCA01	36	**48**	**54**	**50**	33	**54**	38	40	28	**48**	**45**	**52**	33	PN
R1126	Residential	NCA01	34	**46**	**53**	**50**	35	**53**	40	42	30	**45**	**44**	**51**	31	PN
R1127	Residential	NCA01	41	**51**	**56**	**53**	39	**56**	**48**	**51**	40	**52**	**48**	**55**	38	PN
R1128	Residential	NCA03	40	**54**	**44**	40	25	**43**	36	38	27	**53**	**52**	**58**	37	PN, V, SN, RO
R1129	Residential	NCA01	26	34	40	36	22	40	31	33	23	38	31	37	23	-
R1130	Residential	NCA01	41	**49**	**56**	**52**	38	**53**	**48**	**50**	39	**51**	**46**	**53**	38	PN
R1131	Residential	NCA03	**54**	**46**	39	35	21	38	32	33	22	**46**	42	**49**	**51**	PN
R1132	Residential	NCA01	36	**49**	**54**	**50**	35	**53**	43	**44**	34	**47**	**45**	**51**	33	PN
R1133	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	**45**	**47**	34	**49**	**47**	**54**	35	PN
R1134	Commercial	NCA03	46	45	40	37	23	40	33	35	25	47	42	49	43	-
R1135	Residential	NCA01	42	**51**	**56**	**53**	38	**56**	**48**	**51**	39	**52**	**48**	**55**	39	PN
R1136	Residential	NCA01	31	40	**46**	42	27	**46**	37	38	27	42	37	**44**	28	-
R1137	Residential	NCA01	40	**49**	**55**	**52**	35	**55**	**46**	**49**	38	**51**	**46**	**53**	37	PN
R1138	Residential	NCA03	**55**	**51**	**43**	39	26	42	36	37	25	**53**	**49**	**55**	**52**	PN
R1139	Residential	NCA03	**44**	**58**	**48**	**45**	30	**46**	41	**43**	32	**55**	**54**	**60**	41	PN, V, SN, RO
R1140	Residential	NCA01	35	**48**	**53**	**50**	33	**53**	42	**44**	31	**47**	**45**	**53**	32	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1141	Residential	NCA01	31	43	**48**	**45**	30	**49**	37	38	27	42	40	**46**	28	-
R1142	Residential	NCA03	**44**	**52**	**48**	**44**	30	**47**	40	42	31	**56**	**48**	**55**	41	PN
R1143	Residential	NCA01	36	**48**	**53**	**50**	33	**53**	**45**	**45**	33	**46**	**45**	**52**	33	PN
R1144	Residential	NCA01	36	**48**	**54**	**51**	34	**54**	43	**44**	33	**48**	**45**	**52**	33	PN
R1145	Residential	NCA01	33	43	**50**	**46**	31	**50**	39	41	29	43	40	**47**	30	PN
R1146	Residential	NCA03	42	**53**	**46**	**43**	28	**45**	40	41	30	**54**	**50**	**57**	39	PN
R1147	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	**44**	**45**	33	**47**	**44**	**51**	33	PN
R1148	Residential	NCA01	41	**51**	**56**	**53**	37	**56**	**48**	**50**	37	**52**	**48**	**55**	38	PN
R1149	Residential	NCA03	42	**53**	**46**	**44**	29	**45**	41	42	32	**56**	**49**	**56**	39	PN
R1150	Residential	NCA03	**54**	**51**	**44**	41	27	**44**	38	39	26	**53**	**48**	**55**	**51**	PN
R1151	Residential	NCA01	33	**47**	**54**	**50**	37	**54**	41	43	31	**44**	**45**	**52**	30	PN
R1152	Residential	NCA03	**50**	**57**	**53**	**51**	34	**53**	**47**	**49**	36	**60**	**53**	**60**	**47**	PN, V, SN, RO
R1153	Residential	NCA03	**43**	**55**	42	39	25	42	36	37	26	**53**	**52**	**59**	40	PN, V, SN, RO
R1154	Residential	NCA03	40	**54**	**44**	41	26	**44**	38	40	29	**53**	**52**	**57**	37	PN
R1155	Residential	NCA01	23	32	37	34	20	39	27	29	19	35	28	34	20	-
R1156	Residential	NCA01	38	**48**	**54**	**50**	35	**53**	**45**	**47**	36	**49**	**45**	**51**	35	PN
R1157	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	38	39	28	43	43	**49**	28	PN
R1158	Residential	NCA01	36	**48**	**54**	**50**	35	**54**	42	**44**	34	**47**	**45**	**52**	33	PN
R1159	Residential	NCA01	28	36	**44**	39	26	**45**	33	35	24	40	33	41	25	-
R1160	Residential	NCA03	42	**53**	**49**	**46**	31	**49**	**44**	**43**	30	**57**	**50**	**57**	39	PN
R1161	Residential	NCA03	41	**55**	**44**	41	25	**43**	38	39	28	**53**	**52**	**58**	38	PN, V, SN, RO
R1162	Residential	NCA01	28	38	43	39	25	43	35	36	25	40	34	41	25	-
R1163	Residential	NCA03	40	**51**	**46**	42	28	**45**	40	41	30	**52**	**50**	**57**	37	PN
R1164	Residential	NCA01	28	36	**44**	39	26	43	31	33	23	40	33	40	25	-
R1165	Residential	NCA01	28	37	43	40	25	**44**	34	35	24	40	34	41	25	-
R1166	Residential	NCA01	35	**47**	**54**	**50**	35	**54**	42	**44**	31	**46**	**45**	**52**	32	PN
R1167	Residential	NCA03	**54**	**53**	**46**	42	27	**44**	38	39	28	**54**	**51**	**57**	**51**	PN
R1168	Residential	NCA03	41	**57**	**45**	41	27	**43**	38	40	29	**55**	**53**	**60**	38	PN, V, SN, RO
R1169	Residential	NCA01	27	33	39	35	23	39	31	33	22	39	30	37	24	-
R1170	Residential	NCA03	**54**	**44**	36	33	18	36	29	31	16	**47**	41	**48**	**51**	PN
R1171	Residential	NCA01	38	**49**	**55**	**51**	36	**55**	**44**	**45**	32	**49**	**46**	**53**	35	PN
R1172	Residential	NCA03	40	**56**	**46**	42	28	**45**	39	41	30	**53**	**53**	**59**	37	PN, V, SN, RO
R1173	Residential	NCA01	31	43	**50**	**46**	32	**50**	37	39	27	42	41	**47**	28	PN
R1174	Residential	NCA01	37	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	34	PN
R1175	Residential	NCA01	36	**47**	**53**	**50**	35	**53**	43	**44**	33	**47**	**45**	**52**	33	PN
R1176	Residential	NCA01	39	**50**	**56**	**53**	38	**56**	**47**	**49**	39	**51**	**47**	**55**	36	PN
R1177	Residential	NCA01	37	**50**	**55**	**52**	35	**55**	**46**	**48**	35	**49**	**47**	**54**	34	PN
R1178	Residential	NCA01	37	**50**	**55**	**51**	36	**55**	**45**	**47**	35	**48**	**47**	**55**	34	PN
R1179	Commercial	NCA01	36	50	55	52	36	55	44	46	33	48	47	54	33	-
R1180	Residential	NCA01	40	**51**	**56**	**52**	37	**55**	**48**	**49**	38	**51**	**47**	**54**	37	PN
R1181	Residential	NCA03	42	**55**	**45**	42	27	**44**	39	40	30	**55**	**53**	**60**	39	PN, V, SN, RO
R1182	Residential	NCA03	**52**	**57**	**55**	**52**	35	**54**	**49**	**51**	38	**60**	**53**	**60**	**49**	PN, V, SN, RO
R1183	Residential	NCA03	40	**56**	**46**	**43**	29	**45**	40	42	31	**55**	**53**	**60**	37	PN, V, SN, RO
R1184	Residential	NCA03	41	**52**	**52**	**48**	32	**50**	**46**	**48**	35	**58**	**50**	**57**	38	PN, V, SN, RO
R1185	Residential	NCA03	**44**	**56**	**45**	42	27	**44**	39	40	29	**53**	**52**	**59**	41	PN, V, SN, RO
R1186	Residential	NCA01	31	**46**	**51**	**48**	34	**54**	35	36	26	42	42	**49**	28	PN
R1187	Residential	NCA03	**44**	**54**	**49**	**45**	30	**46**	**43**	**44**	32	**57**	**51**	**58**	41	PN, V, SN, RO
R1188	Residential	NCA03	40	**53**	**45**	42	27	**44**	39	40	28	**51**	**52**	**59**	37	PN, V, SN, RO
R1189	Residential	NCA03	42	**55**	**46**	**43**	29	**45**	40	42	30	**56**	**52**	**57**	39	PN
R1190	Residential	NCA01	32	**47**	**55**	**51**	36	**54**	39	40	28	**44**	**45**	**52**	29	PN
R1191	Residential	NCA01	36	**50**	**55**	**52**	38	**55**	**44**	**45**	33	**46**	**47**	**53**	33	PN
R1192	Residential	NCA03	**43**	**52**	**47**	**43**	30	**45**	40	42	31	**57**	**50**	**57**	40	PN
R1193	Residential	NCA01	39	**50**	**56**	**52**	37	**55**	**48**	**49**	38	**51**	**47**	**54**	36	PN
R1194	Residential	NCA01	26	38	**45**	41	28	**45**	30	32	22	38	35	42	23	-
R1195	Residential	NCA01	**47**	**54**	**54**	**53**	36	**53**	**50**	**52**	38	**55**	**50**	**57**	**44**	PN
R1196	Residential	NCA01	32	**46**	**53**	**50**	35	**53**	39	40	29	**44**	**44**	**51**	29	PN
R1197	Residential	NCA03	**58**	**48**	42	38	24	41	34	37	24	**48**	**44**	**51**	**55**	PN, V, SN, RO
R1198	Residential	NCA01	42	**51**	**54**	**50**	34	**54**	**49**	**51**	39	**52**	**47**	**54**	39	PN
R1199	Residential	NCA01	33	**45**	**51**	**48**	33	**51**	40	41	29	**44**	43	**50**	30	PN
R1200	Residential	NCA01	39	**50**	**55**	**52**	36	**56**	**46**	**48**	37	**51**	**47**	**54**	36	PN
R1201	Residential	NCA01	37	**48**	**53**	**50**	34	**54**	**45**	**47**	35	**48**	**46**	**52**	34	PN
R1202	Residential	NCA01	**46**	**53**	**52**	**52**	32	**52**	**49**	**51**	40	**55**	**50**	**57**	43	PN
R1203	Residential	NCA01	38	**49**	**55**	**51**	34	**54**	**45**	**47**	35	**49**	**47**	**53**	35	PN
R1204	Residential	NCA01	29	41	**49**	**45**	31	**49**	33	35	25	41	39	**46**	26	PN
R1205	Residential	NCA03	42	**52**	**45**	42	28	**44**	39	41	29	**59**	**50**	**57**	39	PN, V, SN, RO
R1206	Residential	NCA01	29	37	43	39	26	43	33	35	24	40	34	41	26	-
R1207	Residential	NCA01	29	36	43	39	26	**45**	34	35	24	41	33	41	26	-
R1208	Residential	NCA01	42	**50**	**55**	**51**	34	**54**	**48**	**49**	36	**53**	**47**	**53**	39	PN
R1209	Residential	NCA01	32	**46**	**51**	**48**	32	**51**	39	41	30	**44**	40	**47**	29	PN
R1210	Residential	NCA03	**57**	**47**	42	38	23	41	34	36	24	**47**	**44**	**51**	**54**	PN
R1211	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	36	38	27	42	42	**49**	28	PN
R1212	Residential	NCA03	42	**54**	42	38	25	42	34	36	26	**59**	**51**	**57**	39	PN, V, SN, RO
R1213	Residential	NCA03	**47**	**58**	**47**	**43**	28	**45**	40	41	29	**56**	**55**	**62**	**44**	PN, V, SN, RO
R1214	Residential	NCA01	29	40	**47**	43	30	**47**	31	33	23	40	38	**44**	26	-
R1215	Residential	NCA03	**46**	**54**	**51**	**47**	32	**48**	41	**43**	29	**59**	**51**	**58**	**43**	PN, V, SN, RO
R1216	Residential	NCA01	32	40	**47**	43	29	**47**	37	39	28	**44**	37	**44**	29	-
R1217	Residential	NCA01	39	**50**	**56**	**52**	36	**56**	**46**	**48**	37	**51**	**47**	**54**	36	PN
R1218	Residential	NCA03	**55**	**52**	**44**	41	26	**43**	37	39	28	**53**	**49**	**56**	**52**	PN
R1219	Residential	NCA03	**58**	**48**	42	38	23	41	35	37	24	**48**	**45**	**52**	**55**	PN, V, SN, RO
R1220	Residential	NCA03	**43**	**53**	**46**	**44**	28	**45**	40	42	31	**58**	**50**	**57**	40	PN, V, SN, RO
R1221	Residential	NCA01	40	**50**	**56**	**52**	36	**56**	**47**	**50**	38	**51**	**47**	**54**	37	PN
R1222	Residential	NCA01	29	39	**46**	42	28	**46**	33	35	25	40	37	42	26	-
R1223	Residential	NCA01	38	**49**	**54**	**51**	34	**53**	**44**	**45**	33	**50**	**47**	**54**	35	PN
R1224	Residential	NCA01	27	36	42	39	26	43	31	33	23	39	33	40	24	-
R1225	Residential	NCA01	31	43	**50**	**46**	32	**50**	38	39	28	43	40	**47**	28	PN
R1226	Residential	NCA03	**58**	**49**	**43**	39	25	42	36	38	25	**49**	**45**	**52**	**55**	PN, V, SN, RO
R1227	Residential	NCA01	33	**46**	**51**	**47**	33	**54**	38	39	29	**44**	41	**48**	30	PN
R1228	Residential	NCA01	37	**48**	**54**	**50**	33	**53**	43	**45**	32	**48**	**45**	**52**	34	PN
R1229	Residential	NCA03	**59**	**49**	**43**	39	24	42	36	38	26	**48**	**44**	**52**	**56**	PN, V, SN, RO
R1230	Residential	NCA03	**43**	**57**	**47**	**44**	30	**46**	41	**43**	31	**59**	**55**	**62**	40	PN, V, SN, RO
R1231	Residential	NCA01	40	**50**	**55**	**53**	37	**54**	**49**	**51**	39	**51**	**47**	**54**	37	PN
R1232	Residential	NCA01	27	36	43	39	26	43	31	33	22	39	33	40	24	-
R1233	Residential	NCA03	38	**52**	**43**	40	25	42	37	39	27	**50**	**51**	**58**	35	PN, V, SN, RO
R1234	Residential	NCA01	38	**50**	**53**	**51**	32	**53**	**45**	**47**	34	**49**	**46**	**53**	35	PN
R1235	Residential	NCA03	**60**	**48**	**43**	39	25	42	36	37	26	**51**	**46**	**53**	**57**	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1236	Residential	NCA01	23	33	40	35	21	42	27	29	18	35	29	35	20	-
R1237	Residential	NCA01	37	**49**	**53**	**50**	33	**53**	42	43	30	**48**	**45**	**52**	34	PN
R1238	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	**45**	**47**	35	**50**	**47**	**54**	35	PN
R1239	Residential	NCA01	39	**51**	**56**	**53**	38	**56**	**46**	**48**	37	**50**	**47**	**54**	36	PN
R1240	Residential	NCA01	42	**51**	**54**	**51**	32	**54**	**48**	**50**	39	**52**	**47**	**54**	39	PN
R1241	Residential	NCA03	40	**57**	42	39	25	41	36	38	27	**52**	**54**	**61**	37	PN, V, SN, RO
R1242	Residential	NCA01	24	33	40	36	23	41	27	29	19	36	30	37	21	-
R1243	Residential	NCA01	30	41	**48**	**44**	30	**48**	32	34	23	41	38	**45**	27	-
R1244	Residential	NCA01	35	**46**	**52**	**49**	34	**53**	41	43	31	**46**	43	**51**	32	PN
R1245	Medical facility	NCA01	32	47	54	50	36	54	39	41	29	44	45	52	29	-
R1246	Residential	NCA01	20	30	35	32	18	39	24	26	16	32	26	34	17	-
R1247	Residential	NCA01	21	27	34	30	17	35	25	26	15	32	25	32	18	-
R1248	Residential	NCA01	**47**	**53**	**50**	**52**	31	**50**	**52**	**54**	40	**56**	**51**	**57**	**44**	PN
R1249	Residential	NCA01	41	**51**	**57**	**53**	39	**54**	**49**	**51**	40	**51**	**47**	**54**	38	PN
R1250	Residential	NCA03	**44**	**57**	**45**	**44**	28	**44**	41	42	31	**59**	**54**	**61**	41	PN, V, SN, RO
R1251	Residential	NCA01	39	**52**	**57**	**53**	39	**55**	**49**	**51**	41	**50**	**48**	**55**	36	PN
R1252	Residential	NCA03	**45**	**58**	**49**	**45**	31	**47**	41	**43**	32	**57**	**54**	**61**	42	PN, V, SN, RO
R1253	Residential	NCA03	**43**	**55**	**47**	**43**	30	**46**	40	42	32	**58**	**52**	**58**	40	PN, V, SN, RO
R1254	Residential	NCA01	41	**50**	**55**	**52**	37	**54**	**47**	**49**	38	**51**	**46**	**54**	38	PN
R1255	Residential	NCA03	**60**	**48**	42	39	23	**43**	36	38	25	**52**	**46**	**53**	**57**	PN, V, SN, RO
R1256	Residential	NCA03	40	**57**	**45**	42	27	**44**	39	40	29	**56**	**55**	**60**	37	PN, V, SN, RO
R1257	Residential	NCA01	25	32	39	35	22	39	29	31	21	36	30	38	22	-
R1258	Residential	NCA03	**59**	**49**	**43**	40	25	42	36	38	25	**50**	**46**	**53**	**56**	PN, V, SN, RO
R1259	Residential	NCA01	43	**51**	**54**	**51**	33	**54**	**49**	**51**	39	**53**	**47**	**54**	40	PN
R1260	Residential	NCA01	38	**51**	**56**	**53**	37	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN
R1261	Residential	NCA01	**44**	**52**	**56**	**53**	38	**56**	**50**	**52**	41	**54**	**49**	**55**	41	PN
R1262	Residential	NCA03	**44**	**58**	42	38	24	41	34	36	25	**54**	**56**	**61**	41	PN, V, SN, RO
R1263	Residential	NCA03	42	**56**	**47**	**45**	30	**46**	42	**43**	33	**57**	**52**	**58**	39	PN, V, SN, RO
R1264	Residential	NCA01	28	**47**	**54**	**50**	35	**54**	35	36	24	40	**45**	**52**	25	PN
R1265	Residential	NCA03	39	**56**	42	40	25	42	37	38	27	**55**	**53**	**59**	36	PN, V, SN, RO
R1266	Residential	NCA03	**60**	**50**	**43**	39	25	**44**	36	38	25	**51**	**47**	**54**	**57**	PN, V, SN, RO
R1267	Residential	NCA01	42	**52**	**57**	**54**	40	**57**	**50**	**52**	40	**54**	**49**	**56**	39	PN
R1268	Residential	NCA01	31	38	43	40	25	43	35	36	26	42	35	41	28	-
R1269	Residential	NCA01	28	40	**47**	43	29	**47**	32	34	24	40	37	**44**	25	-
R1270	Residential	NCA03	**43**	**55**	**47**	**43**	28	**45**	40	41	30	**56**	**53**	**60**	40	PN, V, SN, RO
R1271	Residential	NCA01	28	38	**46**	42	28	**45**	32	34	21	38	36	42	25	-
R1272	Residential	NCA01	41	**50**	**55**	**52**	35	**54**	**47**	**48**	36	**52**	**47**	**54**	38	PN
R1273	Residential	NCA01	34	**49**	**54**	**50**	36	**54**	41	43	31	**44**	**45**	**52**	31	PN
R1274	Residential	NCA01	36	**49**	**55**	**50**	35	**55**	**44**	**46**	32	**47**	**46**	**53**	33	PN
R1275	Residential	NCA01	40	**50**	**55**	**52**	35	**55**	**47**	**49**	36	**49**	**47**	**54**	37	PN
R1276	Residential	NCA01	37	**52**	**57**	**54**	37	**57**	**44**	**45**	33	**48**	**49**	**55**	34	PN
R1277	Residential	NCA01	36	**50**	**56**	**52**	38	**56**	43	**45**	32	**47**	**46**	**52**	33	PN
R1278	Residential	NCA01	33	**45**	**51**	**48**	32	**52**	40	42	30	**45**	42	**50**	30	PN
R1279	Residential	NCA01	22	29	35	31	18	36	26	28	18	34	26	33	19	-
R1280	Residential	NCA03	42	**56**	**44**	41	26	**43**	38	39	27	**53**	**53**	**60**	39	PN, V, SN, RO
R1281	Residential	NCA03	**60**	**52**	**44**	41	26	**43**	38	40	28	**53**	**49**	**56**	**57**	PN, V, SN, RO
R1282	Residential	NCA03	**43**	**59**	**45**	42	28	**45**	39	40	28	**53**	**57**	**64**	40	PN, V, SN, RO
R1283	Residential	NCA01	24	30	34	31	17	35	27	29	20	35	27	34	21	-
R1284	Residential	NCA03	**57**	**53**	**45**	42	27	**44**	38	40	29	**54**	**50**	**57**	**54**	PN
R1285	Residential	NCA01	43	**51**	**54**	**52**	36	**54**	**49**	**50**	39	**53**	**49**	**55**	40	PN
R1286	Residential	NCA01	35	**47**	**54**	**50**	34	**54**	42	**44**	32	**47**	**45**	**52**	32	PN
R1287	Residential	NCA01	24	30	38	34	21	39	28	30	20	37	28	35	21	-
R1288	Residential	NCA01	41	**52**	**56**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	PN
R1289	Residential	NCA01	21	29	36	32	19	36	26	29	17	32	27	33	18	-
R1290	Residential	NCA01	39	**51**	**57**	**53**	38	**57**	**46**	**48**	35	**49**	**48**	**55**	36	PN
R1291	Residential	NCA01	41	**52**	**57**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	PN
R1292	Residential	NCA03	**45**	**56**	41	38	22	40	35	37	24	**51**	**53**	**62**	42	PN, V, SN, RO
R1293	Residential	NCA03	**43**	**57**	**44**	40	26	**43**	37	39	27	**52**	**54**	**61**	40	PN, V, SN, RO
R1294	Residential	NCA03	42	**59**	**46**	**43**	28	**46**	40	42	30	**54**	**57**	**63**	39	PN, V, SN, RO
R1295	Residential	NCA03	**53**	**61**	**46**	42	28	**45**	39	40	30	**56**	**57**	**64**	**50**	PN, V, SN, RO
R1296	Residential	NCA01	31	42	**49**	**46**	32	**49**	35	37	26	43	40	**47**	28	PN
R1297	Residential	NCA01	30	40	**47**	43	29	**47**	35	37	26	41	38	**44**	27	-
R1298	Residential	NCA01	**46**	**53**	**54**	**51**	34	**54**	**47**	**49**	38	**55**	**49**	**56**	43	PN
R1299	Residential	NCA01	41	**51**	**56**	**53**	35	**56**	**48**	**50**	39	**50**	**48**	**55**	38	PN
R1300	Residential	NCA01	30	43	**48**	**44**	30	**49**	36	38	26	42	39	**45**	27	PN
R1301	Residential	NCA01	30	43	**48**	**44**	30	**49**	36	38	26	42	39	**45**	27	PN
R1302	Residential	NCA01	39	**50**	**55**	**52**	35	**55**	**45**	**47**	36	**49**	**46**	**53**	36	PN
R1303	Residential	NCA01	36	**48**	**55**	**51**	37	**55**	42	**44**	33	**47**	**46**	**53**	33	PN
R1304	Residential	NCA01	40	**50**	**55**	**52**	34	**55**	**45**	**47**	36	**50**	**47**	**54**	37	PN
R1305	Residential	NCA01	28	39	**47**	43	29	**47**	32	34	23	39	37	**44**	25	-
R1306	Residential	NCA01	28	36	43	39	25	43	34	34	24	40	34	40	25	-
R1307	Residential	NCA03	**48**	**54**	**45**	42	28	**44**	39	40	29	**55**	**50**	**57**	**45**	PN
R1308	Residential	NCA03	**43**	**59**	**46**	42	28	**45**	40	41	30	**53**	**57**	**60**	40	PN, V, SN, RO
R1309	Residential	NCA03	42	**58**	**46**	**43**	28	**46**	40	42	31	**58**	**54**	**60**	39	PN, V, SN, RO
R1310	Residential	NCA01	18	25	31	27	15	31	22	24	14	30	21	29	15	-
R1311	Residential	NCA01	26	36	42	38	24	43	30	32	22	38	33	39	23	-
R1312	Residential	NCA01	41	**52**	**56**	**53**	37	**55**	**49**	**52**	40	**50**	**48**	**55**	38	PN
R1313	Residential	NCA03	**49**	**59**	**53**	**50**	34	**51**	**47**	**49**	36	**65**	**56**	**63**	**46**	PN, V, SN, RO
R1314	Residential	NCA01	32	43	**51**	**47**	32	**51**	39	41	28	**44**	41	**48**	29	PN
R1315	Residential	NCA01	37	**49**	**54**	**51**	32	**54**	**44**	**46**	33	**48**	**46**	**53**	34	PN
R1316	Residential	NCA01	30	41	**47**	**45**	30	**47**	36	37	26	42	39	**45**	27	-
R1317	Residential	NCA01	38	**49**	**53**	**51**	33	**54**	**45**	**47**	35	**48**	**46**	**53**	35	PN
R1318	Residential	NCA01	27	39	**46**	42	28	**46**	33	35	24	39	36	43	24	-
R1319	Residential	NCA01	25	36	42	39	24	42	30	32	20	37	33	40	22	-
R1320	Residential	NCA01	28	38	**46**	42	28	**47**	33	34	23	40	36	42	25	-
R1321	Residential	NCA01	32	42	**49**	**45**	31	**49**	39	40	28	**44**	39	**46**	29	PN
R1322	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	39	40	28	**45**	42	**49**	30	PN
R1323	Residential	NCA03	**44**	**58**	39	37	21	39	32	34	21	**57**	**55**	**61**	41	PN, V, SN, RO
R1324	Residential	NCA01	43	**53**	**54**	**52**	34	**54**	**49**	**51**	40	**53**	**49**	**55**	40	PN
R1325	Residential	NCA03	**44**	**59**	**49**	**45**	30	**47**	42	**44**	32	**60**	**55**	**62**	41	PN, V, SN, RO
R1326	Residential	NCA01	38	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	35	PN
R1327	Residential	NCA01	27	33	39	35	22	41	30	33	22	38	30	37	24	-
R1328	Residential	NCA01	30	40	**47**	43	29	**47**	33	35	25	42	37	**44**	27	-
R1329	Residential	NCA01	**46**	**52**	**56**	**53**	36	**55**	**46**	**47**	37	**55**	**48**	**55**	43	PN
R1330	Residential	NCA01	24	32	40	36	23	40	29	31	19	35	30	37	21	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1331	Residential	NCA03	**44**	**58**	**47**	**45**	29	**45**	42	**44**	31	**60**	**55**	**63**	41	PN, V, SN, RO
R1332	Residential	NCA03	**43**	**53**	**47**	**44**	30	**46**	41	**43**	32	**56**	**50**	**57**	40	PN
R1333	Residential	NCA01	38	**48**	**54**	**50**	34	**53**	**46**	**48**	36	**48**	**45**	**52**	35	PN
R1334	Residential	NCA03	**52**	**60**	**54**	**50**	34	**52**	**48**	**50**	37	**64**	**56**	**63**	**49**	PN, V, SN, RO
R1335	Residential	NCA03	**52**	**60**	**53**	**50**	35	**52**	**47**	**48**	37	**64**	**57**	**63**	**49**	PN, V, SN, RO
R1336	Residential	NCA01	38	**50**	**56**	**52**	35	**55**	**46**	**48**	34	**50**	**47**	**54**	35	PN
R1337	Residential	NCA01	43	**52**	**56**	**54**	37	**57**	**50**	**52**	40	**55**	**49**	**55**	40	PN
R1338	Residential	NCA03	**43**	**57**	**48**	**44**	30	**47**	42	**43**	30	**56**	**54**	**60**	40	PN, V, SN, RO
R1339	Residential	NCA01	36	**50**	**54**	**52**	34	**54**	41	43	31	**47**	**47**	**54**	33	PN
R1340	Residential	NCA03	**45**	**55**	**49**	**45**	32	**47**	**44**	**44**	33	**60**	**52**	**59**	42	PN, V, SN, RO
R1341	Residential	NCA01	32	**45**	**53**	**49**	35	**52**	38	40	28	**44**	43	**50**	29	PN
R1342	Residential	NCA03	**44**	**60**	**47**	**44**	29	**46**	42	**43**	31	**59**	**57**	**64**	41	PN, V, SN, RO
R1343	Residential	NCA01	29	37	43	40	25	43	34	36	25	41	34	41	26	-
R1344	Residential	NCA01	25	33	40	36	22	41	29	31	19	36	31	38	22	-
R1345	Residential	NCA03	**45**	**61**	**49**	**46**	31	**47**	**43**	**44**	32	**61**	**57**	**64**	42	PN, V, SN, RO
R1346	Residential	NCA01	31	40	**48**	**44**	30	**47**	36	38	26	43	38	**45**	28	-
R1347	Residential	NCA03	**45**	**60**	**48**	**45**	31	**47**	42	**44**	31	**58**	**56**	**63**	42	PN, V, SN, RO
R1348	Medical facility	NCA01	34	46	55	51	35	54	40	41	30	45	44	51	31	-
R1349	Residential	NCA01	36	**50**	**54**	**51**	34	**54**	43	**44**	32	**46**	**46**	**53**	33	PN
R1350	Commercial	NCA04	46	45	41	37	23	41	34	36	24	46	39	46	43	-
R1351	Residential	NCA01	36	**47**	**51**	**48**	31	**52**	**44**	**46**	33	**47**	**44**	**51**	33	PN
R1352	Residential	NCA01	30	38	42	39	24	43	35	37	26	42	34	41	27	-
R1353	Residential	NCA01	20	29	35	31	19	36	25	27	16	32	26	33	17	-
R1354	Residential	NCA01	**45**	**54**	**55**	**53**	36	**54**	**51**	**52**	40	**56**	**50**	**57**	42	PN
R1355	Residential	NCA01	33	**46**	**54**	**50**	35	**54**	39	41	29	**44**	**44**	**51**	30	PN
R1356	Residential	NCA01	**47**	**55**	**53**	**54**	35	**53**	**52**	**53**	42	**54**	**50**	**57**	**44**	PN
R1357	Residential	NCA01	30	40	**46**	42	28	**46**	36	37	26	42	37	**44**	27	-
R1358	Residential	NCA01	25	32	39	35	22	39	29	31	20	37	29	36	22	-
R1359	Residential	NCA03	**44**	**60**	**48**	**45**	30	**47**	42	**44**	31	**61**	**56**	**63**	41	PN, V, SN, RO
R1360	Residential	NCA01	30	39	**45**	41	27	**44**	34	36	25	42	36	43	27	-
R1361	Residential	NCA01	42	**54**	**60**	**56**	42	**57**	**52**	**54**	41	**52**	**51**	**58**	39	PN, V, SN, RO
R1362	Residential	NCA01	36	**48**	**53**	**50**	35	**54**	43	**45**	33	**48**	**44**	**51**	33	PN
R1363	Residential	NCA01	39	**51**	**57**	**53**	37	**57**	**46**	**48**	36	**50**	**48**	**55**	36	PN
R1364	Residential	NCA01	**44**	**53**	**58**	**54**	41	**57**	**50**	**53**	41	**54**	**49**	**56**	41	PN
R1365	Residential	NCA01	37	**51**	**55**	**53**	35	**55**	43	**45**	32	**47**	**47**	**55**	34	PN
R1366	Residential	NCA01	30	37	42	39	25	42	34	36	26	42	33	40	27	-
R1367	Residential	NCA01	25	34	41	37	23	43	29	31	20	37	31	39	22	-
R1368	Commercial	NCA01	34	48	55	51	37	55	42	43	31	46	46	52	31	-
R1369	Residential	NCA03	**45**	**62**	**48**	**45**	30	**46**	42	**44**	32	**60**	**58**	**65**	42	PN, V, SN, RO
R1370	Residential	NCA01	29	36	42	38	24	42	34	36	26	42	33	40	26	-
R1371	Residential	NCA01	38	**52**	**56**	**53**	37	**57**	**46**	**48**	35	**49**	**48**	**56**	35	PN
R1372	Residential	NCA03	**44**	**61**	**49**	**46**	31	**47**	**43**	**45**	32	**62**	**58**	**64**	41	PN, V, SN, RO
R1373	Residential	NCA01	**44**	**54**	**60**	**56**	40	**57**	**52**	**54**	42	**56**	**51**	**58**	41	PN, V, SN, RO
R1374	Residential	NCA03	**51**	**63**	**46**	42	28	**45**	39	40	28	**57**	**60**	**67**	**48**	PN, V, SN, RO
R1375	Residential	NCA01	**44**	**53**	**59**	**56**	42	**57**	**51**	**53**	43	**54**	**50**	**57**	41	PN, V, SN, RO
R1376	Residential	NCA01	43	**51**	**57**	**53**	39	**55**	**49**	**51**	41	**52**	**48**	**55**	40	PN
R1377	Residential	NCA03	**45**	**62**	**48**	**46**	31	**46**	**43**	**44**	33	**58**	**58**	**65**	42	PN, V, SN, RO
R1378	Residential	NCA03	42	**56**	**46**	**43**	27	**45**	41	42	30	**59**	**52**	**59**	39	PN, V, SN, RO
R1379	Residential	NCA01	30	**44**	**52**	**47**	33	**51**	38	39	27	42	41	**49**	27	PN
R1380	Residential	NCA03	**46**	**57**	**49**	**46**	31	**47**	**43**	**45**	32	**61**	**53**	**60**	**43**	PN, V, SN, RO
R1381	Residential	NCA01	36	**50**	**54**	**51**	34	**55**	43	**45**	32	**47**	**47**	**53**	33	PN
R1382	Residential	NCA01	30	38	**44**	41	26	**44**	34	36	25	42	35	42	27	-
R1383	Residential	NCA01	26	35	41	37	23	43	30	31	20	39	32	39	23	-
R1384	Residential	NCA01	39	**50**	**55**	**52**	34	**55**	**46**	**48**	35	**51**	**47**	**54**	36	PN
R1385	Residential	NCA01	39	**51**	**55**	**52**	35	**55**	**47**	**49**	37	**50**	**47**	**54**	36	PN
R1386	Residential	NCA01	24	31	38	36	21	41	28	30	20	36	29	36	21	-
R1387	Residential	NCA03	**45**	**58**	**48**	**45**	29	**46**	**43**	**44**	32	**61**	**55**	**62**	42	PN, V, SN, RO
R1388	Residential	NCA01	40	**51**	**55**	**53**	36	**54**	**48**	**50**	37	**51**	**48**	**55**	37	PN
R1389	Residential	NCA03	41	**61**	**45**	42	28	**44**	39	40	27	**56**	**57**	**62**	38	PN, V, SN, RO
R1390	Residential	NCA03	**53**	**64**	**45**	41	27	**44**	37	39	25	**55**	**60**	**67**	**50**	PN, V, SN, RO
R1391	Residential	NCA01	28	38	**46**	42	28	**47**	33	35	24	39	36	43	25	-
R1392	Residential	NCA01	27	39	**45**	42	27	**45**	33	35	24	39	36	43	24	-
R1393	Residential	NCA03	41	**58**	**47**	**43**	28	**46**	41	41	30	**53**	**55**	**62**	38	PN, V, SN, RO
R1394	Residential	NCA03	**45**	**62**	**45**	42	27	**44**	39	40	27	**57**	**60**	**65**	42	PN, V, SN, RO
R1395	Residential	NCA01	35	**49**	**54**	**51**	35	**54**	42	43	30	**47**	**46**	**53**	32	PN
R1396	Residential	NCA03	**47**	**62**	39	35	22	38	32	33	21	**47**	**59**	**65**	**44**	PN, V, SN, RO
R1397	Residential	NCA03	**46**	**61**	**46**	42	28	**44**	39	40	28	**55**	**57**	**62**	**43**	PN, V, SN, RO
R1398	Commercial	NCA01	33	48	55	51	37	55	40	42	30	45	46	53	30	-
R1399	Residential	NCA03	**47**	**64**	**43**	39	25	42	37	38	26	**56**	**61**	**67**	**44**	PN, V, SN, RO
R1400	Residential	NCA01	39	**51**	**55**	**53**	35	**55**	**46**	**48**	36	**49**	**47**	**54**	36	PN
R1401	Residential	NCA03	42	**54**	**47**	**44**	28	**45**	41	42	30	**57**	**51**	**58**	39	PN, V, SN, RO
R1402	Residential	NCA01	26	32	38	35	21	40	30	32	21	37	29	36	23	-
R1403	Residential	NCA01	28	41	**49**	**45**	30	**49**	34	36	25	40	39	**45**	25	PN
R1404	Residential	NCA01	38	**51**	**56**	**53**	35	**55**	**44**	**46**	34	**49**	**48**	**54**	35	PN
R1405	Residential	NCA01	38	**50**	**55**	**52**	37	**54**	**47**	**49**	38	**49**	**47**	**54**	35	PN
R1406	Residential	NCA03	**47**	**60**	**45**	41	27	**44**	39	40	27	**57**	**55**	**61**	**44**	PN, V, SN, RO
R1407	Residential	NCA01	39	**50**	**55**	**51**	36	**54**	**46**	**48**	37	**50**	**46**	**53**	36	PN
R1408	Residential	NCA01	**45**	**57**	**55**	**56**	36	**54**	**54**	**57**	**45**	**57**	**53**	**60**	42	PN, V, SN, RO
R1409	Industrial	NCA03	51	47	42	38	24	41	34	36	24	49	43	50	48	-
R1410	Residential	NCA03	**43**	**61**	**43**	39	25	42	37	38	26	**49**	**57**	**64**	40	PN, V, SN, RO
R1411	Residential	NCA01	37	**50**	**54**	**51**	33	**55**	**44**	**46**	33	**48**	**46**	**53**	34	PN
R1412	Commercial	NCA01	33	46	54	51	35	54	40	41	29	45	45	52	30	-
R1413	Residential	NCA01	38	**52**	**56**	**53**	38	**56**	**46**	**47**	35	**49**	**49**	**56**	35	PN
R1414	Residential	NCA01	38	**50**	**54**	**52**	33	**54**	**45**	**47**	34	**49**	**47**	**54**	35	PN
R1415	Residential	NCA01	43	**53**	**57**	**53**	38	**56**	**50**	**53**	41	**55**	**49**	**56**	40	PN
R1416	Residential	NCA01	25	34	39	36	23	41	29	31	21	37	30	37	22	-
R1417	Residential	NCA01	38	**52**	**57**	**54**	36	**57**	**46**	**47**	34	**49**	**49**	**56**	35	PN
R1418	Residential	NCA01	**44**	**54**	**60**	**56**	41	**57**	**52**	**54**	43	**55**	**51**	**58**	41	PN, V, SN, RO
R1419	Residential	NCA03	**46**	**62**	**48**	**45**	30	**46**	**43**	**44**	32	**62**	**58**	**65**	**43**	PN, V, SN, RO
R1420	Residential	NCA03	38	**64**	**47**	**43**	28	**45**	40	41	29	**51**	**61**	**62**	35	PN, V, SN, RO
R1421	Residential	NCA03	**45**	**62**	**46**	42	28	**45**	40	41	30	**51**	**59**	**66**	42	PN, V, SN, RO
R1422	Residential	NCA03	**44**	**61**	**46**	**43**	28	**46**	40	41	30	**53**	**57**	**64**	41	PN, V, SN, RO
R1423	Residential	NCA01	28	37	**44**	39	25	43	33	35	24	40	34	40	25	-
R1424	Residential	NCA03	**54**	**61**	**52**	**48**	34	**51**	**46**	**47**	36	**65**	**57**	**64**	**51**	PN, V, SN, RO
R1425	Residential	NCA01	34	**50**	**55**	**52**	36	**55**	40	42	29	**45**	**47**	**55**	31	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1426	Residential	NCA01	40	53	58	55	38	58	48	50	38	52	50	57	37	PN
R1427	Residential	NCA03	43	62	45	41	27	44	39	39	29	53	58	64	40	PN, V, SN, RO
R1428	Residential	NCA01	45	57	57	57	38	57	54	54	43	57	53	60	42	PN, V, SN, RO
R1429	Residential	NCA03	45	62	48	44	28	46	42	43	30	61	58	65	42	PN, V, SN, RO
R1430	Commercial	NCA01	33	49	56	52	39	58	40	41	29	45	47	54	30	-
R1431	Residential	NCA01	39	53	59	55	40	58	45	47	35	50	50	57	36	PN, V, SN, RO
R1432	Residential	NCA01	29	38	44	41	26	45	35	37	25	41	35	42	26	-
R1433	Residential	NCA01	49	57	57	55	38	57	52	53	42	57	53	60	46	PN, V, SN, RO
R1434	Residential	NCA03	52	60	51	48	33	50	46	47	36	66	57	63	49	PN, V, SN, RO
R1435	Residential	NCA01	24	35	43	38	25	43	30	31	20	36	32	39	21	-
R1436	Residential	NCA01	26	33	39	36	22	41	31	33	23	38	30	37	23	-
R1437	Residential	NCA01	39	53	57	54	38	57	48	50	39	51	49	56	36	PN
R1438	Residential	NCA01	46	56	60	57	42	59	53	54	42	56	51	57	43	PN, V, SN, RO
R1439	Residential	NCA01	39	51	57	53	38	57	45	46	34	49	48	55	36	PN
R1440	Commercial	NCA01	33	44	50	47	30	50	38	40	29	45	41	48	30	-
R1441	Residential	NCA03	47	64	48	46	30	47	43	44	32	62	60	67	44	PN, V, SN, RO
R1442	Residential	NCA01	27	36	42	38	23	42	32	34	23	39	33	40	24	-
R1443	Residential	NCA01	24	32	39	36	23	41	29	31	20	36	30	37	21	-
R1444	Commercial	NCA01	32	47	54	50	37	55	39	40	29	44	45	52	29	-
R1445	Commercial	NCA03	66	55	46	42	27	45	39	41	29	53	52	59	63	-
R1446	Residential	NCA01	24	35	41	37	24	42	29	31	20	36	32	39	21	-
R1447	Residential	NCA01	36	54	60	56	40	60	39	41	31	47	51	58	33	PN, V, SN, RO
R1448	Residential	NCA03	42	64	44	41	26	43	38	39	27	59	59	66	39	PN, V, SN, RO
R1449	Commercial	NCA04	42	42	37	34	20	37	30	32	21	42	38	45	39	-
R1450	Residential	NCA03	43	62	47	44	29	47	42	43	31	57	58	65	40	PN, V, SN, RO
R1451	Residential	NCA03	50	60	51	48	33	49	45	47	34	65	56	62	47	PN, V, SN, RO
R1452	Residential	NCA01	37	51	57	54	37	57	45	47	35	49	49	56	34	PN
R1453	Residential	NCA03	51	61	50	46	33	48	43	44	34	66	58	65	48	PN, V, SN, RO
R1454	Residential	NCA01	24	33	41	38	23	41	27	29	19	36	32	37	21	-
R1455	Residential	NCA03	48	64	50	46	31	48	44	45	34	65	59	66	45	PN, V, SN, RO
R1456	Residential	NCA01	38	52	55	52	36	55	46	48	34	49	48	54	35	PN
R1457	Residential	NCA01	35	48	54	50	34	53	40	42	29	45	43	52	32	PN
R1458	Commercial	NCA01	31	47	54	51	36	55	38	39	27	43	45	52	28	-
R1459	Residential	NCA03	44	59	49	45	31	47	43	44	31	63	56	62	41	PN, V, SN, RO
R1460	Residential	NCA01	29	38	44	40	26	45	35	37	25	41	35	42	26	-
R1461	Residential	NCA01	39	52	58	54	39	58	46	48	35	51	49	56	36	PN
R1462	Residential	NCA01	37	52	57	54	37	57	44	45	32	48	49	56	34	PN
R1463	Residential	NCA03	44	58	47	44	27	45	41	42	30	62	55	62	41	PN, V, SN, RO
R1464	Active recreation	NCA01	49	58	57	59	39	57	56	58	44	58	55	62	46	-
R1465	Residential	NCA03	48	63	50	47	31	48	44	45	31	63	59	66	45	PN, V, SN, RO
R1466	Residential	NCA01	38	51	57	53	40	57	44	46	33	49	48	55	35	PN
R1467	Residential	NCA01	27	35	41	37	24	42	32	34	23	39	32	39	24	-
R1468	Commercial	NCA01	31	47	54	50	37	54	38	40	28	44	44	51	28	-
R1469	Residential	NCA03	48	64	49	46	31	47	44	45	32	63	60	67	45	PN, V, SN, RO
R1470	Residential	NCA01	25	37	43	40	26	43	29	31	21	37	34	40	22	-
R1471	Residential	NCA01	39	53	57	55	40	58	47	48	37	50	50	57	36	PN
R1472	Residential	NCA03	47	63	49	46	31	48	44	45	33	67	60	67	44	PN, V, SN, RO
R1473	Residential	NCA01	36	51	57	53	39	57	42	44	32	48	48	54	33	PN
R1474	Residential	NCA03	42	64	48	44	28	46	42	43	30	60	59	66	39	PN, V, SN, RO
R1475	Residential	NCA01	39	53	58	55	39	58	47	48	36	50	50	57	36	PN
R1476	Medical facility	NCA01	24	40	46	44	30	48	30	31	20	36	37	44	21	-
R1477	Residential	NCA01	29	39	46	42	28	46	35	37	25	41	37	43	26	-
R1478	Residential	NCA01	29	38	45	41	26	45	33	35	25	41	36	41	26	-
R1479	Residential	NCA01	48	56	62	58	42	58	55	56	45	57	53	60	45	PN, V, SN, RO
R1480	Residential	NCA01	36	51	57	53	40	57	42	44	33	47	48	54	33	PN
R1481	Residential	NCA03	50	60	51	49	34	49	46	47	34	60	56	62	47	PN, V, SN, RO
R1482	Commercial	NCA01	35	51	57	53	39	57	42	43	31	46	48	54	32	-
R1483	Residential	NCA01	43	57	63	59	45	59	55	57	47	54	54	61	40	PN, V, SN, RO
R1484	Industrial	NCA01	33	52	57	55	41	58	40	41	30	45	49	55	30	-
R1485	Residential	NCA01	43	54	59	55	40	59	51	53	41	52	50	57	40	PN, V, SN, RO
R1486	Commercial	NCA01	31	45	53	49	35	53	38	39	28	43	43	50	28	-
R1487	Residential	NCA01	42	53	58	55	38	58	49	50	37	52	50	57	39	PN
R1488	Residential	NCA01	29	38	44	41	27	45	34	36	25	41	35	42	26	-
R1489	Residential	NCA01	27	39	45	41	28	45	33	35	24	39	36	43	24	-
R1490	Residential	NCA03	60	65	54	54	36	53	49	52	39	69	61	68	57	PN, V, SN, RO, RP, DR
R1491	Residential	NCA03	43	68	40	37	23	40	34	36	24	52	63	69	40	PN, V, SN, RO, RP, DR
R1492	Residential	NCA03	60	64	55	52	35	52	49	51	39	68	60	67	57	PN, V, SN, RO, RP, DR
R1493	Residential	NCA01	31	45	52	48	34	51	36	38	27	43	43	48	28	PN
R1494	Residential	NCA01	42	51	56	53	35	55	48	50	34	52	48	55	39	PN
R1495	Residential	NCA03	46	63	49	46	31	48	43	44	33	63	58	65	43	PN, V, SN, RO
R1496	Residential	NCA03	45	67	45	43	28	44	39	41	28	57	62	69	42	PN, V, SN, RO, RP, DR
R1497	Residential	NCA01	39	51	56	53	35	56	45	45	34	50	48	55	36	PN
R1498	Residential	NCA01	31	45	51	47	33	51	38	40	28	43	42	48	28	PN
R1499	Residential	NCA01	36	53	56	55	36	56	45	48	35	46	49	56	33	PN
R1500	Residential	NCA01	28	35	40	37	23	42	33	35	24	39	32	39	25	-
R1501	Commercial	NCA04	41	41	38	34	20	37	31	33	22	41	38	44	38	-
R1502	Residential	NCA01	29	39	46	42	27	46	34	36	25	41	36	43	26	-
R1503	Residential	NCA03	43	69	45	41	27	44	38	39	24	59	64	71	40	PN, V, SN, RO, RP, DR
R1504	Commercial	NCA01	33	47	54	51	36	55	39	41	29	45	45	52	30	-
R1505	Residential	NCA03	46	69	46	43	28	45	39	42	30	59	64	71	43	PN, V, SN, RO, RP, DR
R1506	Residential	NCA01	42	54	59	56	41	59	52	53	42	54	51	58	39	PN, V, SN, RO
R1507	Residential	NCA01	27	35	42	38	25	42	32	33	23	38	32	39	24	-
R1508	Residential	NCA03	42	69	45	41	27	44	39	40	29	59	64	70	39	PN, V, SN, RO, RP, DR
R1509	Residential	NCA03	45	66	45	42	28	45	39	41	30	56	62	69	42	PN, V, SN, RO, RP, DR
R1510	Residential	NCA03	47	64	50	47	31	48	45	45	31	67	59	66	44	PN, V, SN, RO
R1511	Residential	NCA01	25	33	40	36	23	40	29	31	21	37	30	37	22	-
R1512	Residential	NCA01	42	54	59	56	40	59	51	52	40	54	50	57	39	PN, V, SN, RO
R1513	Residential	NCA01	38	51	55	53	35	55	44	45	32	49	48	54	35	PN
R1514	Residential	NCA01	25	32	38	34	20	37	28	30	20	36	28	35	22	-
R1515	Residential	NCA01	24	32	38	35	21	40	28	30	19	35	29	36	21	-
R1516	Residential	NCA01	41	55	59	57	40	59	50	52	40	53	52	58	38	PN, V, SN, RO
R1517	Residential	NCA01	50	58	62	59	43	60	56	58	46	58	55	62	47	PN, V, SN, RO
R1518	Residential	NCA01	32	45	50	47	32	50	38	40	29	44	42	48	29	PN
R1519	Residential	NCA03	43	68	39	36	22	38	30	32	20	60	63	71	40	PN, V, SN, RO, RP, DR
R1520	Residential	NCA01	27	36	42	38	25	43	32	34	23	39	33	40	24	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1521	Residential	NCA01	31	**44**	**50**	**46**	32	**50**	37	39	27	43	41	**47**	28	PN
R1522	Residential	NCA03	**44**	**68**	**43**	39	25	42	36	37	22	**60**	**64**	**71**	41	PN, V, SN, RO, RP, DR
R1523	Industrial	NCA04	60	48	41	38	24	41	35	36	26	47	43	50	57	-
R1524	Residential	NCA01	41	**54**	**59**	**56**	39	**60**	**50**	**51**	40	**52**	**51**	**58**	38	PN, V, SN, RO
R1525	Residential	NCA01	24	31	37	33	19	37	28	30	20	36	28	35	21	-
R1526	Residential	NCA03	**43**	**68**	38	34	21	38	31	33	20	**53**	**63**	**68**	40	PN, V, SN, RO, RP, DR
R1527	Residential	NCA01	28	41	**49**	**44**	31	**48**	34	34	23	40	39	**45**	25	-
R1528	Residential	NCA01	42	**55**	**59**	**56**	39	**59**	**49**	**51**	39	**53**	**51**	**58**	39	PN, V, SN, RO
R1529	Residential	NCA01	38	**53**	**58**	**54**	38	**58**	**44**	**46**	33	**49**	**50**	**57**	35	PN
R1530	Residential	NCA03	**44**	**67**	**49**	**45**	31	**47**	42	**43**	30	**68**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1531	Residential	NCA01	30	**44**	**50**	**46**	32	**52**	35	36	25	42	41	**48**	27	PN
R1532	Residential	NCA01	41	**52**	**56**	**54**	37	**56**	**48**	**50**	38	**52**	**49**	**56**	38	PN
R1533	Residential	NCA01	37	**54**	**58**	**55**	39	**58**	**45**	**47**	34	**48**	**51**	**58**	34	PN
R1534	Residential	NCA01	28	36	41	38	24	42	33	35	23	39	32	38	25	-
R1535	Residential	NCA03	40	**67**	37	33	19	36	30	31	20	**55**	**62**	**67**	37	PN, V, SN, RO
R1536	Residential	NCA03	**44**	**68**	40	37	24	40	34	35	21	**61**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1537	Residential	NCA01	28	39	**45**	41	25	**45**	34	35	22	39	36	43	25	-
R1538	Residential	NCA01	38	**53**	**56**	**54**	36	**56**	**48**	**49**	35	**48**	**49**	**56**	35	PN
R1539	Residential	NCA01	31	42	**49**	**45**	31	**49**	35	37	26	42	39	**47**	28	PN
R1540	Residential	NCA03	**47**	**71**	**50**	**46**	31	**48**	**43**	**46**	34	**68**	**66**	**73**	**44**	PN, V, SN, RO, RP, DR
R1541	Residential	NCA01	40	**54**	**57**	**55**	36	**57**	**49**	**50**	37	**51**	**49**	**56**	37	PN
R1542	Residential	NCA01	40	**54**	**58**	**55**	40	**58**	**48**	**50**	39	**52**	**50**	**57**	37	PN
R1543	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	**47**	**48**	37	**68**	**60**	**67**	**54**	PN, V, SN, RO, RP, DR
R1544	Residential	NCA01	**49**	**57**	**61**	**58**	43	**60**	**55**	**56**	**45**	**57**	**54**	**61**	**46**	PN, V, SN, RO
R1545	Residential	NCA03	**49**	**65**	**50**	**47**	31	**48**	**45**	**46**	33	**68**	**60**	**67**	**46**	PN, V, SN, RO, RP, DR
R1546	Residential	NCA01	38	**55**	**60**	**56**	41	**59**	**47**	**48**	35	**47**	**51**	**59**	35	PN, V, SN, RO
R1547	Residential	NCA03	**44**	**69**	36	32	19	35	29	31	19	**48**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1548	Residential	NCA01	38	**53**	**59**	**55**	40	**58**	**46**	**47**	34	**48**	**50**	**56**	35	PN
R1549	Residential	NCA01	31	43	**50**	**46**	32	**50**	37	39	28	43	41	**47**	28	PN
R1550	Residential	NCA01	38	**54**	**58**	**56**	37	**58**	43	**45**	33	**49**	**51**	**58**	35	PN
R1551	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	**48**	**51**	37	**68**	**61**	**68**	**54**	PN, V, SN, RO, RP, DR
R1552	Active recreation	NCA01	47	58	57	57	36	56	54	56	44	58	54	62	44	-
R1553	Residential	NCA01	39	**53**	**57**	**55**	37	**57**	**48**	**50**	37	**50**	**50**	**57**	36	PN
R1554	Residential	NCA01	37	**53**	**58**	**54**	38	**57**	**47**	**48**	36	**45**	**49**	**56**	34	PN
R1555	Residential	NCA01	39	**55**	**60**	**57**	41	**60**	**49**	**51**	37	**51**	**51**	**57**	36	PN, V, SN, RO
R1556	Residential	NCA03	**44**	**67**	**47**	**45**	30	**46**	42	**43**	30	**67**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1557	Residential	NCA03	**43**	**67**	**45**	42	28	**45**	39	40	30	**57**	**64**	**71**	40	PN, V, SN, RO, RP, DR
R1558	Residential	NCA01	27	34	40	37	23	42	31	33	22	38	31	38	24	-
R1559	Residential	NCA01	38	**52**	**57**	**54**	37	**57**	**46**	**48**	36	**50**	**49**	**56**	35	PN
R1560	Residential	NCA03	**57**	**64**	**51**	**49**	33	**50**	**47**	**50**	36	**68**	**61**	**68**	**54**	PN, V, SN, RO, RP, DR
R1561	Residential	NCA01	28	36	42	38	23	42	32	34	23	40	33	40	25	-
R1562	Residential	NCA01	35	**52**	**58**	**54**	38	**58**	43	**45**	31	**46**	**49**	**56**	32	PN
R1563	Residential	NCA01	40	**55**	**61**	**57**	42	**60**	**46**	**48**	34	**50**	**52**	**59**	37	PN, V, SN, RO
R1564	Residential	NCA01	29	39	**46**	43	28	**46**	34	35	24	41	36	43	26	-
R1565	Residential	NCA03	**56**	**65**	**50**	**51**	33	**50**	**47**	**50**	36	**69**	**61**	**68**	**53**	PN, V, SN, RO, RP, DR
R1566	Residential	NCA01	34	**54**	**55**	**53**	36	**55**	40	42	30	**45**	**49**	**56**	31	PN
R1567	Residential	NCA03	**55**	**65**	**48**	**48**	31	**48**	**46**	**48**	35	**69**	**61**	**68**	**52**	PN, V, SN, RO, RP, DR
R1568	Residential	NCA01	39	**56**	**63**	**59**	**44**	**63**	**45**	**47**	34	**50**	**53**	**60**	36	PN, V, SN, RO
R1569	Residential	NCA01	41	**55**	**60**	**56**	42	**60**	**48**	**49**	36	**52**	**52**	**59**	38	PN, V, SN, RO
R1570	Residential	NCA01	37	**54**	**58**	**56**	37	**58**	**44**	**46**	33	**49**	**51**	**56**	34	PN
R1571	Residential	NCA01	**45**	**57**	**61**	**58**	42	**60**	**54**	**56**	**44**	**54**	**53**	**60**	42	PN, V, SN, RO
R1572	Residential	NCA01	**49**	**58**	**62**	**59**	42	**58**	**54**	**56**	43	**57**	**53**	**60**	**46**	PN, V, SN, RO
R1573	Residential	NCA01	29	35	42	38	25	43	32	35	23	41	32	39	26	-
R1574	Residential	NCA03	**43**	**66**	**48**	**45**	31	**47**	42	**43**	30	**70**	**62**	**69**	40	PN, V, SN, RO, RP, DR
R1575	Residential	NCA01	29	**48**	**56**	**52**	38	**56**	35	37	25	42	**46**	**52**	26	PN
R1576	Residential	NCA03	**54**	**58**	**50**	**48**	33	**49**	**47**	**49**	36	**60**	**54**	**61**	**51**	PN, V, SN, RO
R1577	Residential	NCA01	40	**54**	**60**	**56**	41	**59**	**46**	**48**	36	**51**	**51**	**58**	37	PN, V, SN, RO
R1578	Residential	NCA01	42	**57**	**60**	**58**	40	**60**	**52**	**52**	41	**52**	**52**	**59**	39	PN, V, SN, RO
R1579	Residential	NCA01	29	40	**46**	43	28	**46**	35	36	25	41	37	43	26	-
R1580	Residential	NCA01	42	**56**	**60**	**57**	41	**60**	**51**	**53**	42	**52**	**52**	**60**	39	PN, V, SN, RO
R1581	Residential	NCA01	42	**57**	**60**	**57**	42	**60**	**50**	**52**	39	**54**	**53**	**59**	39	PN, V, SN, RO
R1582	Residential	NCA03	**54**	**65**	**51**	**47**	33	**49**	**47**	**49**	36	**66**	**61**	**68**	**51**	PN, V, SN, RO, RP, DR
R1583	Residential	NCA01	39	**55**	**60**	**57**	42	**61**	**47**	**49**	34	**50**	**52**	**59**	36	PN, V, SN, RO
R1584	Residential	NCA01	25	33	41	39	24	43	29	30	20	35	31	38	22	-
R1585	Residential	NCA01	37	**54**	**58**	**56**	36	**58**	42	**44**	31	**48**	**51**	**57**	34	PN
R1586	Residential	NCA01	27	33	39	36	22	39	30	32	22	38	31	37	24	-
R1587	Residential	NCA01	42	**55**	**60**	**57**	41	**59**	**51**	**53**	41	**52**	**52**	**59**	39	PN, V, SN, RO
R1588	Residential	NCA01	30	**44**	**50**	**46**	32	**52**	36	38	27	42	40	**48**	27	PN
R1589	Residential	NCA01	28	42	**47**	43	30	**48**	34	35	24	40	37	**44**	25	-
R1590	Residential	NCA01	25	35	43	40	25	43	30	31	20	38	33	40	22	-
R1591	Residential	NCA03	**44**	**69**	**47**	**45**	30	**47**	42	**43**	30	**65**	**64**	**71**	41	PN, V, SN, RO, RP, DR
R1592	Residential	NCA01	38	**54**	**59**	**56**	43	**59**	**45**	**48**	34	**49**	**50**	**57**	35	PN, V, SN, RO
R1593	Residential	NCA01	40	**55**	**60**	**56**	42	**60**	**47**	**49**	35	**52**	**52**	**59**	37	PN, V, SN, RO
R1594	Residential	NCA03	42	**76**	41	38	24	41	33	36	23	**51**	**69**	**76**	39	PN, V, SN, RO, RP, DR
R1595	Residential	NCA03	41	**78**	**45**	42	27	**44**	38	39	28	**57**	**71**	**78**	38	PN, V, SN, RO, RP, DR
R1596	Residential	NCA01	42	**59**	**61**	**60**	43	**61**	**51**	**53**	40	**54**	**54**	**60**	39	PN, V, SN, RO
R1597	Residential	NCA01	28	39	**46**	**44**	27	**46**	33	35	24	40	37	43	25	-
R1598	Residential	NCA01	42	**57**	**61**	**58**	42	**62**	**52**	**54**	43	**53**	**53**	**59**	39	PN, V, SN, RO
R1599	Residential	NCA01	42	**56**	**60**	**58**	40	**60**	**52**	**53**	41	**54**	**53**	**60**	39	PN, V, SN, RO
R1600	Residential	NCA01	27	38	**46**	43	29	**49**	32	34	22	38	36	43	24	PN
R1601	Residential	NCA03	**50**	**64**	**47**	**45**	30	**47**	**44**	**44**	30	**67**	**60**	**67**	**47**	PN, V, SN, RO
R1602	Residential	NCA01	38	**54**	**62**	**58**	**44**	**62**	**45**	**48**	33	**49**	**52**	**58**	35	PN, V, SN, RO
R1603	Residential	NCA01	37	**53**	**57**	**55**	37	**57**	41	43	32	**49**	**50**	**57**	34	PN
R1604	Residential	NCA01	41	**57**	**60**	**58**	40	**59**	**50**	**51**	36	**53**	**53**	**60**	38	PN, V, SN, RO
R1605	Residential	NCA01	39	**54**	**59**	**55**	40	**58**	**46**	**48**	35	**50**	**51**	**58**	36	PN, V, SN, RO
R1606	Residential	NCA01	25	31	36	34	20	41	29	31	20	36	28	35	22	-
R1607	Residential	NCA03	42	**74**	**47**	**43**	29	**46**	41	42	30	**59**	**67**	**74**	39	PN, V, SN, RO, RP, DR
R1608	Residential	NCA01	28	35	41	37	24	42	32	34	23	40	31	38	25	-
R1609	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	**48**	**50**	37	**51**	**53**	**59**	37	PN, V, SN, RO
R1610	Residential	NCA01	28	40	**47**	**44**	29	**48**	34	35	23	39	37	**44**	25	-
R1611	Residential	NCA01	40	**59**	**61**	**58**	43	**61**	**50**	**52**	40	**52**	**55**	**62**	37	PN, V, SN, RO
R1612	Residential	NCA03	41	**77**	**44**	41	27	**44**	38	39	24	**56**	**70**	**76**	38	PN, V, SN, RO, RP, DR
R1613	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	**49**	**50**	37	**51**	**52**	**58**	37	PN, V, SN, RO
R1614	Residential	NCA01	40	**57**	**61**	**58**	43	**61**	**49**	**51**	39	**52**	**53**	**60**	37	PN, V, SN, RO
R1615	Residential	NCA01	39	**58**	**60**	**57**	42	**60**	**47**	**48**	36	**50**	**54**	**61**	36	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1616	Residential	NCA03	43	77	46	42	29	45	40	40	27	61	70	77	40	PN, V, SN, RO, RP, DR
R1617	Commercial	NCA01	30	50	58	54	40	58	35	37	25	42	48	55	27	-
R1618	Residential	NCA01	27	35	42	38	24	42	32	33	21	38	32	39	24	-
R1619	Residential	NCA01	27	36	43	39	24	43	32	33	21	38	34	41	24	-
R1620	Residential	NCA01	30	40	45	42	27	47	35	36	25	42	37	44	27	-
R1621	Residential	NCA01	42	59	62	60	43	62	51	53	41	53	54	62	39	PN, V, SN, RO
R1622	Residential	NCA01	38	57	62	59	44	62	44	46	33	49	53	59	35	PN, V, SN, RO
R1623	Residential	NCA03	42	77	45	42	28	45	39	40	26	61	70	77	39	PN, V, SN, RO, RP, DR
R1624	Residential	NCA03	40	76	40	37	23	40	33	35	22	53	69	76	37	PN, V, SN, RO, RP, DR
R1625	Residential	NCA01	40	55	59	57	40	59	48	50	37	52	52	58	37	PN, V, SN, RO
R1626	Residential	NCA03	43	69	47	44	30	46	41	42	29	71	64	71	40	PN, V, SN, RO, RP, DR
R1627	Residential	NCA01	47	60	61	58	42	59	56	56	43	58	54	61	44	PN, V, SN, RO
R1628	Residential	NCA03	43	78	45	43	27	44	40	40	29	57	70	77	40	PN, V, SN, RO, RP, DR
R1629	Residential	NCA01	31	41	47	44	29	47	36	38	27	43	38	45	28	-
R1630	Residential	NCA01	30	44	52	48	34	52	36	38	27	42	41	48	27	PN
R1631	Residential	NCA03	45	73	48	45	31	47	42	43	31	65	68	75	42	PN, V, SN, RO, RP, DR
R1632	Residential	NCA01	28	39	46	42	27	45	34	36	24	40	36	42	25	-
R1633	Residential	NCA03	44	72	47	44	29	46	40	42	29	64	66	73	41	PN, V, SN, RO, RP, DR
R1634	Residential	NCA01	36	56	62	57	42	61	44	46	33	48	52	57	33	PN, V, SN, RO
R1635	Residential	NCA01	28	41	47	44	30	49	34	36	24	40	37	44	25	PN
R1636	Residential	NCA01	27	36	43	39	25	43	32	34	23	39	34	40	24	-
R1637	Residential	NCA01	40	56	61	58	43	61	48	50	37	52	53	59	37	PN, V, SN, RO
R1639	Residential	NCA01	30	41	48	44	28	48	34	36	25	42	39	44	27	-
R1640	Residential	NCA01	40	57	60	58	43	61	48	50	38	53	54	61	37	PN, V, SN, RO
R1641	Educational institute	NCA03	49	73	50	47	32	50	45	46	33	75	68	75	46	-
R1642	Residential	NCA03	44	77	44	40	26	43	37	38	24	55	69	76	41	PN, V, SN, RO, RP, DR
R1643	Residential	NCA01	38	54	59	56	39	58	47	49	36	49	51	58	35	PN, V, SN, RO
R1644	Residential	NCA01	38	56	60	57	41	60	48	49	35	49	52	59	35	PN, V, SN, RO
R1645	Residential	NCA01	27	35	41	37	24	42	31	33	22	38	32	39	24	-
R1646	Residential	NCA01	36	53	55	51	37	58	43	44	32	47	46	53	33	PN
R1647	Residential	NCA01	47	61	65	61	45	60	56	58	45	57	54	61	44	PN, V, SN, RO
R1648	Residential	NCA04	83	48	40	37	23	40	34	35	24	45	47	54	80	PN, V, SN, RO, RP, DR
R1649	Educational institute	NCA03	52	69	53	49	34	51	46	48	37	74	65	72	49	-
R1650	Residential	NCA01	40	54	60	57	41	59	46	48	35	51	52	58	37	PN, V, SN, RO
R1651	Residential	NCA01	30	39	44	41	26	48	35	37	26	41	36	43	27	-
R1652	Residential	NCA01	40	56	61	58	42	61	48	50	38	51	53	59	37	PN, V, SN, RO
R1653	Residential	NCA03	44	78	46	43	27	45	40	42	30	64	70	77	41	PN, V, SN, RO, RP, DR
R1655	Residential	NCA03	45	78	46	44	27	46	40	42	30	63	70	77	42	PN, V, SN, RO, RP, DR
R1656	Residential	NCA03	44	77	45	41	27	44	38	40	26	65	69	76	41	PN, V, SN, RO, RP, DR
R1657	Residential	NCA03	46	71	46	43	29	46	40	42	29	73	66	73	43	PN, V, SN, RO, RP, DR
R1659	Residential	NCA04	94	50	40	36	22	39	32	35	24	46	46	53	91	PN, V, SN, RO, RP, DR
R1660	Commercial	NCA01	38	55	61	58	43	61	43	45	32	49	52	59	35	-
R1661	Residential	NCA01	31	41	47	43	27	47	37	39	27	43	38	45	28	-
R1662	Residential	NCA01	40	55	60	57	41	60	47	49	36	51	52	59	37	PN, V, SN, RO
R1663	Residential	NCA03	43	74	48	45	30	48	42	43	30	69	68	75	40	PN, V, SN, RO, RP, DR
R1664	Residential	NCA01	30	38	43	39	26	46	35	37	27	42	34	41	27	-
R1665	Residential	NCA01	27	33	35	33	18	35	31	31	20	39	30	37	24	-
R1666	Residential	NCA04	73	49	42	39	25	42	35	37	24	46	45	51	70	PN, V, SN, RO, RP, DR
R1667	Residential	NCA01	30	42	49	46	32	50	36	37	25	41	39	46	27	PN
R1669	Residential	NCA01	38	55	59	56	40	59	46	48	35	50	51	58	35	PN, V, SN, RO
R1670	Residential	NCA04	92	52	43	39	25	42	36	38	25	47	49	55	89	PN, V, SN, RO, RP, DR
R1671	Residential	NCA03	43	78	45	42	27	45	39	41	28	66	70	77	40	PN, V, SN, RO, RP, DR
R1672	Residential	NCA03	45	77	48	45	30	47	42	43	31	67	69	76	42	PN, V, SN, RO, RP, DR
R1673	Educational institute	NCA03	59	74	52	49	34	52	49	51	37	77	69	76	56	-
R1674	Residential	NCA01	27	40	47	43	29	47	32	34	23	39	37	43	24	-
R1675	Residential	NCA01	38	55	59	55	38	59	46	48	35	51	51	58	35	PN, V, SN, RO
R1676	Residential	NCA04	71	45	41	38	24	41	34	36	24	44	39	46	68	PN, V, SN, RO, RP, DR
R1677	Residential	NCA01	27	41	45	44	30	48	32	33	20	38	36	42	24	-
R1678	Residential	NCA01	30	41	47	44	29	49	35	37	26	42	38	45	27	PN
R1679	Residential	NCA01	42	61	66	62	47	58	58	60	49	53	57	64	39	PN, V, SN, RO
R1680	Residential	NCA04	92	51	41	38	24	41	35	37	25	48	48	54	89	PN, V, SN, RO, RP, DR
R1681	Residential	NCA01	41	54	58	57	38	58	51	53	39	52	51	58	38	PN
R1682	Residential	NCA01	44	58	62	59	45	62	55	57	46	54	54	61	41	PN, V, SN, RO
R1683	Educational institute	NCA03	52	75	50	48	32	50	45	46	34	78	70	77	49	-
R1684	Residential	NCA01	22	29	35	32	19	35	26	28	16	33	26	33	19	-
R1685	Residential	NCA01	44	59	62	60	46	63	55	57	46	55	55	61	41	PN, V, SN, RO
R1686	Residential	NCA03	47	77	49	45	31	47	43	43	31	72	70	77	44	PN, V, SN, RO, RP, DR
R1687	Residential	NCA01	41	57	61	58	40	60	52	54	39	52	54	61	38	PN, V, SN, RO
R1688	Residential	NCA01	31	37	43	41	25	47	35	36	24	43	35	42	28	-
R1689	Residential	NCA01	30	45	52	48	35	52	37	38	27	42	43	50	27	PN
R1690	Residential	NCA04	91	53	40	37	23	40	34	35	24	47	51	57	88	PN, V, SN, RO, RP, DR
R1691	Residential	NCA01	42	59	62	59	41	61	54	55	39	52	53	61	39	PN, V, SN, RO
R1692	Residential	NCA01	41	56	60	58	39	59	51	53	40	51	53	60	38	PN, V, SN, RO
R1693	Residential	NCA03	47	79	48	45	30	48	43	44	32	70	71	78	44	PN, V, SN, RO, RP, DR
R1694	Residential	NCA04	69	50	42	39	25	42	35	37	26	47	44	51	66	PN, V, SN, RO, RP, DR
R1695	Residential	NCA01	44	60	63	60	44	63	54	56	44	55	55	62	41	PN, V, SN, RO
R1696	Residential	NCA04	91	53	37	33	21	37	30	32	19	39	49	56	88	PN, V, SN, RO, RP, DR
R1697	Residential	NCA01	27	35	42	38	25	42	32	34	22	39	32	39	24	-
R1698	Residential	NCA01	40	60	62	62	44	62	54	56	41	49	56	63	37	PN, V, SN, RO
R1699	Industrial	NCA04	45	43	41	37	22	41	33	35	24	44	40	47	42	-
R1700	Residential	NCA01	25	40	46	42	28	46	30	29	18	33	36	42	22	-
R1701	Residential	NCA04	70	43	37	34	20	37	30	32	22	39	37	44	67	PN, V, SN, RO, RP, DR
R1702	Residential	NCA04	83	56	44	40	26	43	37	39	28	50	52	59	80	PN, V, SN, RO, RP, DR
R1703	Residential	NCA01	42	60	63	60	43	63	52	54	41	53	55	62	39	PN, V, SN, RO
R1704	Residential	NCA01	30	44	51	47	34	52	36	37	26	42	42	48	27	PN
R1705	Educational institute	NCA03	54	80	50	47	32	50	45	46	35	79	72	79	51	-
R1706	Residential	NCA01	42	59	62	60	43	62	51	52	40	52	54	61	39	PN, V, SN, RO
R1707	Residential	NCA03	48	77	49	46	31	48	43	45	33	74	70	77	45	PN, V, SN, RO, RP, DR
R1708	Commercial	NCA01	35	55	61	57	43	61	42	43	31	47	52	58	32	-
R1709	Residential	NCA04	72	56	41	37	23	40	34	36	25	48	50	65	69	PN, V, SN, RO, RP, DR
R1710	Residential	NCA04	66	45	40	36	23	40	33	35	24	41	38	46	63	PN, V, SN, RO
R1711	Residential	NCA01	44	60	62	62	44	62	53	55	42	55	56	63	41	PN, V, SN, RO
R1712	Industrial	NCA01	48	61	67	64	47	62	59	60	48	59	57	64	45	-
R1713	Residential	NCA01	42	61	63	62	44	63	52	53	42	53	57	62	39	PN, V, SN, RO
R1714	Residential	NCA01	42	60	63	62	44	64	52	54	42	54	57	63	39	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1715	Commercial	NCA01	33	49	56	52	39	56	39	40	29	45	46	53	30	-
R1716	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	**47**	**48**	35	**50**	**53**	**60**	36	PN, V, SN, RO
R1717	Residential	NCA01	43	**59**	**63**	**59**	**44**	**63**	**51**	**53**	41	**53**	**54**	**61**	40	PN, V, SN, RO
R1718	Residential	NCA04	**65**	**57**	42	39	25	42	35	38	26	**49**	**49**	**65**	**62**	PN, V, SN, RO
R1719	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	37	38	27	43	43	**50**	28	PN
R1720	Residential	NCA01	27	36	42	39	25	43	33	34	21	39	33	40	24	-
R1721	Residential	NCA01	43	**59**	**61**	**59**	43	**63**	**52**	**54**	41	**54**	**55**	**62**	40	PN, V, SN, RO
R1722	Residential	NCA04	**57**	**54**	**43**	40	26	**43**	36	39	28	**50**	**48**	**55**	**54**	PN
R1723	Residential	NCA04	**70**	**49**	42	39	25	42	35	37	26	**47**	**44**	**51**	**67**	PN, V, SN, RO, RP, DR
R1724	Residential	NCA01	36	**56**	**61**	**57**	41	**61**	40	42	29	**47**	**52**	**59**	33	PN, V, SN, RO
R1725	Residential	NCA01	29	38	**45**	42	27	**46**	34	36	25	41	35	43	26	-
R1726	Residential	NCA01	31	**45**	**52**	**48**	34	**51**	37	38	26	43	42	**49**	28	PN
R1727	Residential	NCA01	28	40	**47**	**44**	30	**48**	34	35	24	40	37	**44**	25	-
R1728	Residential	NCA01	36	**52**	**57**	**53**	39	**57**	40	42	28	**47**	**48**	**55**	33	PN
R1729	Residential	NCA01	41	**58**	**61**	**58**	41	**61**	**50**	**52**	38	**52**	**54**	**61**	38	PN, V, SN, RO
R1730	Residential	NCA01	26	38	**45**	41	27	**45**	31	33	21	38	36	42	23	-
R1731	Residential	NCA04	**67**	40	35	31	17	35	27	30	17	37	34	41	**64**	PN, V, SN, RO
R1732	Residential	NCA01	41	**61**	**62**	**60**	43	**62**	**49**	**51**	37	**53**	**55**	**62**	38	PN, V, SN, RO
R1733	Residential	NCA01	37	**56**	**62**	**58**	**44**	**61**	**45**	**47**	34	**50**	**52**	**60**	34	PN, V, SN, RO
R1734	Residential	NCA01	39	**59**	**64**	**61**	**46**	**65**	**46**	**48**	34	**51**	**56**	**62**	36	PN, V, SN, RO
R1735	Residential	NCA01	40	**60**	**62**	**59**	**44**	**62**	**50**	**50**	37	**52**	**55**	**62**	37	PN, V, SN, RO
R1736	Residential	NCA01	38	**60**	**66**	**62**	**48**	**66**	43	**44**	33	**50**	**57**	**64**	35	PN, V, SN, RO
R1737	Residential	NCA01	38	**58**	**64**	**60**	**46**	**64**	**45**	**46**	34	**50**	**55**	**62**	35	PN, V, SN, RO
R1738	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	37	39	26	43	42	**49**	28	PN
R1739	Educational institute	NCA03	57	77	52	49	34	52	49	48	37	79	71	78	54	-
R1740	Residential	NCA01	37	**57**	**60**	**58**	40	**61**	**44**	**46**	32	**48**	**54**	**60**	34	PN, V, SN, RO
R1741	Residential	NCA04	**51**	**44**	34	30	17	34	27	29	18	39	38	**45**	**48**	PN
R1742	Residential	NCA01	39	**59**	**66**	**62**	**47**	**65**	**46**	**48**	34	**49**	**56**	**63**	36	PN, V, SN, RO
R1743	Residential	NCA01	39	**60**	**62**	**61**	42	**62**	**48**	**49**	35	**51**	**55**	**62**	36	PN, V, SN, RO
R1744	Residential	NCA04	**62**	**47**	41	38	24	41	34	36	25	**44**	39	**47**	**59**	PN, V, SN, RO
R1745	Residential	NCA01	28	38	**46**	42	28	**45**	33	35	23	40	35	41	25	-
R1746	Residential	NCA01	26	33	39	36	22	39	31	32	21	37	30	37	23	-
R1747	Residential	NCA04	**50**	**50**	41	38	24	39	34	36	22	**44**	42	**49**	**47**	PN
R1748	Residential	NCA01	23	30	36	32	19	36	27	29	16	34	26	33	20	-
R1749	Residential	NCA04	**59**	**61**	**44**	40	26	**43**	36	38	26	**46**	**49**	**62**	**56**	PN, V, SN, RO
R1750	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	**47**	**49**	35	**51**	**53**	**60**	36	PN, V, SN, RO
R1751	Residential	NCA04	**49**	**49**	41	37	24	41	34	36	24	**44**	41	**48**	**46**	PN
R1752	Residential	NCA01	30	37	**45**	41	27	**45**	34	36	24	40	34	41	27	-
R1753	Residential	NCA01	35	**55**	**59**	**57**	40	**60**	43	**45**	28	**46**	**51**	**58**	32	PN, V, SN, RO
R1754	Residential	NCA01	28	36	42	38	25	**45**	32	34	24	40	33	40	25	-
R1755	Residential	NCA01	37	**58**	**59**	**56**	40	**59**	**44**	**45**	29	43	**53**	**59**	34	PN, V, SN, RO
R1756	Residential	NCA01	42	**58**	**62**	**60**	42	**62**	**51**	**51**	39	**53**	**55**	**61**	39	PN, V, SN, RO
R1757	Residential	NCA01	36	**58**	**64**	**60**	**45**	**64**	43	**45**	32	**47**	**54**	**62**	33	PN, V, SN, RO
R1758	Residential	NCA01	41	**60**	**62**	**59**	**44**	**62**	**48**	**51**	38	**52**	**56**	**63**	38	PN, V, SN, RO
R1759	Residential	NCA01	37	**57**	**61**	**58**	42	**61**	**45**	**46**	33	**49**	**52**	**60**	34	PN, V, SN, RO
R1760	Residential	NCA01	37	**56**	**61**	**57**	40	**61**	**45**	**47**	32	**48**	**53**	**59**	34	PN, V, SN, RO
R1761	Residential	NCA01	30	40	**47**	**45**	29	**47**	36	37	25	41	37	43	27	-
R1762	Residential	NCA01	42	**62**	**69**	**66**	**50**	**62**	**60**	**62**	**50**	**49**	**59**	**66**	39	PN, V, SN, RO, RP, DR
R1763	Residential	NCA04	**59**	**60**	36	35	21	36	29	31	18	39	**48**	**62**	**56**	PN, V, SN, RO
R1764	Residential	NCA01	**44**	**64**	**71**	**67**	**52**	**64**	**61**	**63**	**51**	**53**	**60**	**67**	41	PN, V, SN, RO, RP, DR
R1765	Residential	NCA01	25	34	40	38	22	41	30	32	20	37	30	38	22	-
R1766	Residential	NCA01	39	**57**	**61**	**59**	40	**60**	**46**	**48**	34	**50**	**54**	**60**	36	PN, V, SN, RO
R1767	Industrial	NCA04	47	93	46	43	29	46	40	42	28	57	88	95	44	-
R1768	Residential	NCA04	**57**	**63**	**44**	41	27	**44**	38	40	29	**51**	**50**	**63**	**54**	PN, V, SN, RO
R1769	Residential	NCA01	41	**57**	**61**	**58**	40	**62**	**50**	**51**	39	**50**	**53**	**60**	38	PN, V, SN, RO
R1770	Residential	NCA04	**66**	**45**	41	37	24	41	33	36	22	42	38	**44**	**63**	PN, V, SN, RO
R1771	Residential	NCA01	29	40	**47**	**44**	29	**47**	35	37	24	41	37	**44**	26	-
R1772	Residential	NCA04	**54**	**46**	41	37	24	41	33	36	24	**46**	38	**46**	**51**	PN
R1773	Residential	NCA04	**54**	**62**	**44**	40	27	**44**	37	39	27	**47**	**50**	**63**	**51**	PN, V, SN, RO
R1774	Residential	NCA01	38	**57**	**62**	**59**	42	**62**	**46**	**48**	34	**50**	**53**	**60**	35	PN, V, SN, RO
R1775	Commercial	NCA01	33	51	58	55	41	58	40	42	30	45	49	56	30	-
R1776	Residential	NCA04	**56**	**57**	39	36	23	39	31	33	21	42	**45**	**62**	**53**	PN, V, SN, RO
R1777	Commercial	NCA01	35	60	65	62	47	66	42	44	32	46	56	63	32	-
R1778	Residential	NCA01	25	33	40	36	23	42	29	31	18	35	29	36	22	-
R1779	Industrial	NCA04	45	78	48	44	29	47	42	43	30	59	90	97	42	-
R1780	Residential	NCA04	**61**	**50**	42	39	25	42	36	37	27	**48**	**44**	**51**	**58**	PN, V, SN, RO
R1781	Residential	NCA04	**61**	42	38	34	21	38	31	33	21	41	36	**44**	**58**	PN, V, SN, RO
R1782	Residential	NCA01	27	34	41	38	23	41	32	33	19	38	32	38	24	-
R1783	Residential	NCA04	**63**	**45**	42	38	24	41	35	37	25	**46**	37	**44**	**60**	PN, V, SN, RO
R1784	Residential	NCA01	31	**52**	**57**	**54**	40	**57**	40	38	26	42	**48**	**55**	28	PN
R1785	Residential	NCA01	30	43	**51**	**47**	33	**53**	34	36	25	41	40	**47**	27	PN
R1786	Residential	NCA01	28	41	**48**	**45**	30	**49**	34	36	24	40	37	**44**	25	PN
R1787	Residential	NCA01	29	37	43	39	25	43	35	36	24	40	34	41	26	-
R1788	Residential	NCA04	**48**	**49**	**43**	40	25	**43**	36	38	26	**47**	41	**49**	**45**	PN
R1789	Commercial	NCA01	54	70	77	74	59	73	67	69	57	63	65	73	51	-
R1790	Residential	NCA01	**49**	**61**	**64**	**62**	**46**	**64**	**56**	**57**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, RO
R1791	Residential	NCA04	**56**	**48**	41	38	24	41	34	36	26	**44**	39	**46**	**53**	PN
R1792	Residential	NCA04	**57**	**56**	**44**	41	27	**44**	38	40	28	**51**	**47**	**59**	**54**	PN, V, SN, RO
R1793	Residential	NCA01	25	31	38	34	21	38	29	31	18	37	29	35	22	-
R1794	Residential	NCA01	36	**57**	**61**	**58**	41	**61**	**44**	**46**	32	**49**	**54**	**61**	33	PN, V, SN, RO
R1795	Residential	NCA01	**49**	**61**	**65**	**62**	**47**	**64**	**58**	**60**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, RO
R1796	Residential	NCA01	29	37	43	39	25	43	34	36	23	41	34	41	26	-
R1797	Residential	NCA01	28	38	**45**	43	27	**46**	33	35	23	40	36	42	25	-
R1798	Residential	NCA01	39	**57**	**62**	**58**	43	**61**	**47**	**49**	36	**51**	**53**	**60**	36	PN, V, SN, RO
R1799	Residential	NCA01	28	37	43	40	25	43	33	35	21	40	34	41	25	-
R1800	Residential	NCA04	**67**	**49**	**43**	39	25	**43**	36	38	27	**45**	**45**	**52**	**64**	PN, V, SN, RO
R1801	Residential	NCA01	40	**57**	**61**	**58**	41	**61**	**47**	**49**	36	**52**	**54**	**61**	37	PN, V, SN, RO
R1802	Residential	NCA01	26	35	40	37	23	40	30	32	21	37	32	38	23	-
R1803	Residential	NCA01	**48**	**60**	**62**	**61**	42	**62**	**55**	**57**	42	**52**	**56**	**63**	**45**	PN, V, SN, RO
R1804	Residential	NCA01	25	35	41	38	24	42	29	30	17	37	32	39	22	-
R1805	Residential	NCA01	28	36	42	40	25	43	34	35	24	40	34	40	25	-
R1806	Residential	NCA04	**59**	**44**	39	35	22	38	31	33	22	40	37	**44**	**56**	PN, V, SN, RO
R1807	Residential	NCA04	**53**	**47**	41	38	24	41	34	36	25	**43**	41	**52**	**50**	PN
R1808	Residential	NCA01	**45**	**62**	**64**	**63**	**45**	**64**	**56**	**57**	**45**	**56**	**57**	**64**	42	PN, V, SN, RO
R1809	Residential	NCA01	38	**59**	**62**	**58**	42	**62**	**49**	**50**	34	**50**	**54**	**61**	35	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1810	Residential	NCA01	**44**	**63**	**64**	**64**	**46**	**64**	**55**	**56**	**45**	**56**	**58**	**65**	41	PN, V, SN, RO
R1811	Residential	NCA01	28	37	**44**	41	26	43	34	35	23	40	33	40	25	-
R1812	Residential	NCA01	30	40	**46**	43	29	**47**	35	37	26	41	37	43	27	-
R1813	Residential	NCA01	**47**	**60**	**62**	**60**	42	**63**	**53**	**55**	41	**59**	**55**	**62**	**44**	PN, V, SN, RO
R1814	Industrial	NCA04	46	76	44	43	25	43	41	38	25	51	81	88	43	-
R1815	Residential	NCA01	40	**58**	**62**	**58**	43	**62**	**45**	**47**	35	**52**	**53**	**60**	37	PN, V, SN, RO
R1816	Residential	NCA04	**51**	**55**	**45**	42	27	**45**	39	41	26	**51**	**50**	**60**	**48**	PN, V, SN, RO
R1817	Residential	NCA04	**62**	**45**	42	39	25	42	36	38	26	**47**	**43**	**50**	**59**	PN, V, SN, RO
R1818	Residential	NCA01	38	**56**	**61**	**57**	42	**61**	**46**	**47**	33	**50**	**52**	**59**	35	PN, V, SN, RO
R1819	Residential	NCA04	**55**	**58**	**44**	42	27	**44**	38	40	28	**50**	**48**	**56**	**52**	PN, V, SN, RO
R1820	Residential	NCA01	40	**56**	**60**	**58**	40	**60**	**48**	**49**	35	**51**	**53**	**60**	37	PN, V, SN, RO
R1821	Residential	NCA01	**45**	**63**	**64**	**64**	**46**	**64**	**55**	**57**	**44**	**55**	**59**	**66**	42	PN, V, SN, RO
R1822	Residential	NCA01	25	38	**46**	43	28	**46**	30	31	16	37	34	41	22	-
R1823	Residential	NCA01	27	34	41	40	24	**44**	32	34	20	38	31	38	24	-
R1824	Residential	NCA01	42	**62**	**65**	**62**	**45**	**65**	**53**	**55**	41	**54**	**56**	**63**	39	PN, V, SN, RO
R1825	Residential	NCA01	38	**59**	**60**	**59**	41	**60**	**47**	**48**	31	**49**	**54**	**60**	35	PN, V, SN, RO
R1826	Residential	NCA04	**63**	**52**	42	39	25	42	35	37	26	**47**	**45**	**52**	**60**	PN, V, SN, RO
R1827	Residential	NCA01	30	**44**	**49**	**46**	32	**52**	37	38	27	42	40	**47**	27	PN
R1828	Residential	NCA01	42	**63**	**64**	**62**	**45**	**65**	**53**	**54**	40	**54**	**58**	**65**	39	PN, V, SN, RO
R1829	Residential	NCA01	27	40	**47**	**44**	29	**52**	33	35	21	39	38	**46**	24	PN
R1830	Industrial	NCA04	48	77	52	49	33	52	45	47	35	63	82	89	45	-
R1831	Residential	NCA01	36	**52**	**59**	**54**	40	**59**	42	43	31	**48**	**49**	**56**	33	PN, V, SN, RO
R1832	Residential	NCA01	29	42	**49**	**46**	31	**50**	36	36	25	41	39	**45**	26	PN
R1833	Residential	NCA04	**49**	**59**	**43**	39	25	42	36	38	26	**48**	**47**	**55**	**46**	PN, V, SN, RO
R1834	Residential	NCA04	**50**	**57**	**44**	40	26	**43**	38	39	26	**50**	**47**	**55**	**47**	PN
R1835	Residential	NCA04	41	**55**	**45**	42	28	**45**	39	40	29	**52**	**51**	**58**	38	PN, V, SN, RO
R1836	Residential	NCA01	41	**63**	**64**	**64**	**45**	**66**	**52**	**53**	39	**53**	**58**	**65**	38	PN, V, SN, RO
R1837	Residential	NCA04	**52**	**53**	**44**	40	26	**44**	37	39	27	**49**	**45**	**53**	**49**	PN
R1838	Residential	NCA01	27	38	**45**	41	27	**44**	33	35	23	39	34	41	24	-
R1839	Residential	NCA01	41	**62**	**64**	**62**	**45**	**64**	**52**	**56**	40	**54**	**56**	**63**	38	PN, V, SN, RO
R1840	Residential	NCA01	43	**63**	**65**	**64**	**47**	**65**	**52**	**54**	42	**54**	**58**	**65**	40	PN, V, SN, RO
R1841	Residential	NCA01	40	**63**	**64**	**62**	**44**	**64**	**50**	**51**	37	**52**	**58**	**64**	37	PN, V, SN, RO
R1842	Residential	NCA01	29	42	**48**	**45**	31	**49**	35	37	25	41	38	**45**	26	PN
R1843	Residential	NCA01	43	**63**	**65**	**63**	**46**	**65**	**51**	**53**	40	**55**	**58**	**65**	40	PN, V, SN, RO
R1844	Residential	NCA04	**47**	**48**	42	38	25	42	35	37	26	**43**	41	**52**	**44**	PN
R1845	Residential	NCA01	42	**64**	**65**	**65**	**47**	**65**	**51**	**52**	39	**53**	**59**	**66**	39	PN, V, SN, RO
R1846	Residential	NCA01	38	**61**	**63**	**61**	**44**	**64**	**46**	**47**	34	**50**	**56**	**62**	35	PN, V, SN, RO
R1847	Residential	NCA01	39	**63**	**64**	**62**	**44**	**64**	**49**	**51**	36	**51**	**58**	**64**	36	PN, V, SN, RO
R1848	Residential	NCA01	32	**47**	**54**	**50**	36	**55**	38	40	27	**44**	**44**	**51**	29	PN
R1849	Residential	NCA01	36	**62**	**68**	**64**	**50**	**68**	**44**	**46**	31	**48**	**59**	**66**	33	PN, V, SN, RO
R1850	Industrial	NCA01	34	60	65	61	47	65	41	42	30	46	54	62	31	-
R1851	Residential	NCA04	**55**	**48**	**44**	41	27	**44**	38	40	28	**51**	**44**	**53**	**52**	PN
R1852	Residential	NCA01	39	**62**	**63**	**60**	43	**63**	**49**	**51**	35	**49**	**56**	**63**	36	PN, V, SN, RO
R1853	Residential	NCA01	32	**44**	**49**	**46**	30	**53**	38	39	26	**44**	41	**47**	29	PN
R1854	Residential	NCA01	40	**63**	**67**	**65**	**49**	**68**	**47**	**49**	34	**50**	**59**	**66**	37	PN, V, SN, RO
R1855	Residential	NCA01	29	40	**46**	43	29	**46**	34	36	24	40	37	**44**	26	-
R1856	Residential	NCA01	27	35	42	38	25	42	32	34	20	39	33	39	24	-
R1857	Residential	NCA01	39	**63**	**64**	**61**	**44**	**64**	**48**	**51**	35	**51**	**57**	**64**	36	PN, V, SN, RO
R1858	Residential	NCA01	38	**62**	**66**	**63**	**47**	**67**	**45**	**47**	33	**49**	**58**	**65**	35	PN, V, SN, RO
R1859	Residential	NCA01	28	39	**47**	**44**	31	**48**	34	36	24	40	37	**44**	25	-
R1860	Residential	NCA04	**51**	**46**	39	35	21	39	32	34	23	**45**	39	**47**	**48**	PN
R1861	Industrial	NCA04	50	78	50	48	32	50	44	46	35	77	92	99	47	-
R1862	Residential	NCA04	**52**	**47**	40	36	23	40	32	35	24	**45**	39	**47**	**49**	PN
R1863	Residential	NCA01	40	**63**	**66**	**63**	**47**	**65**	**49**	**51**	37	**52**	**60**	**67**	37	PN, V, SN, RO
R1864	Residential	NCA01	38	**62**	**68**	**64**	**50**	**68**	**44**	**46**	33	**48**	**59**	**66**	35	PN, V, SN, RO
R1865	Residential	NCA04	**55**	**49**	42	39	25	42	35	37	25	**46**	**43**	**50**	**52**	PN
R1866	Residential	NCA01	41	**63**	**64**	**63**	**45**	**64**	**49**	**51**	37	**52**	**58**	**66**	38	PN, V, SN, RO
R1867	Residential	NCA04	**56**	**45**	39	36	22	39	32	34	24	**45**	40	**47**	**53**	PN
R1868	Residential	NCA04	**47**	**48**	42	39	24	42	35	37	25	**47**	41	**51**	**44**	PN
R1869	Residential	NCA01	28	37	43	40	26	43	32	34	21	40	33	40	25	-
R1870	Residential	NCA01	29	42	**49**	**45**	31	**49**	35	37	25	41	39	**46**	26	PN
R1871	Residential	NCA04	**52**	**46**	41	38	24	41	35	37	25	**46**	37	**44**	**49**	PN
R1872	Residential	NCA04	**54**	**48**	40	36	23	39	33	35	24	**47**	42	**49**	**51**	PN
R1873	Residential	NCA04	**47**	**48**	**43**	40	26	**43**	37	39	28	**49**	**46**	**53**	**44**	PN
R1874	Residential	NCA01	41	**60**	**64**	**61**	**44**	**65**	**49**	**50**	37	**52**	**56**	**63**	38	PN, V, SN, RO
R1875	Residential	NCA01	39	**62**	**65**	**61**	**46**	**65**	**48**	**50**	36	**50**	**58**	**64**	36	PN, V, SN, RO
R1876	Residential	NCA01	38	**63**	**64**	**62**	**44**	**64**	**49**	**51**	35	**50**	**58**	**64**	35	PN, V, SN, RO
R1877	Residential	NCA01	27	37	**44**	41	26	**44**	33	35	21	39	34	41	24	-
R1878	Industrial	NCA04	44	44	39	36	22	39	32	34	24	44	39	45	41	-
R1879	Residential	NCA01	39	**63**	**68**	**64**	**47**	**68**	**47**	**49**	35	**50**	**59**	**66**	36	PN, V, SN, RO
R1880	Commercial	NCA01	33	46	55	51	36	58	40	42	29	45	44	51	30	-
R1881	Residential	NCA01	33	**47**	**54**	**50**	36	**55**	39	41	29	**45**	**44**	**51**	30	PN
R1882	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	37	39	27	43	**44**	**51**	28	PN
R1883	Residential	NCA04	**57**	**47**	39	36	22	39	32	34	23	**46**	42	**49**	**54**	PN
R1884	Residential	NCA04	**50**	41	36	33	20	36	29	31	21	40	35	42	**47**	PN
R1885	Residential	NCA01	38	**61**	**65**	**62**	**47**	**65**	**47**	**49**	35	**49**	**56**	**63**	35	PN, V, SN, RO
R1886	Residential	NCA04	**61**	**51**	**43**	40	26	**43**	36	38	27	**48**	**45**	**53**	**58**	PN, V, SN, RO
R1887	Residential	NCA01	27	37	**44**	40	26	**44**	31	33	20	39	35	41	24	-
R1888	Residential	NCA04	**57**	**49**	42	38	24	41	34	37	25	**43**	42	**49**	**54**	PN
R1889	Residential	NCA01	39	**62**	**65**	**61**	**46**	**64**	**49**	**50**	35	**50**	**58**	**65**	36	PN, V, SN, RO
R1890	Industrial	NCA04	45	43	40	36	23	40	33	35	24	44	39	46	42	-
R1891	Residential	NCA01	29	42	**49**	**45**	31	**48**	35	36	25	41	39	**45**	26	PN
R1892	Industrial	NCA04	54	76	52	50	34	51	47	49	35	96	83	90	51	-
R1893	Residential	NCA01	39	**61**	**62**	**61**	42	**62**	**54**	**56**	40	**51**	**56**	**63**	36	PN, V, SN, RO
R1894	Residential	NCA04	**51**	38	39	35	22	38	31	31	20	38	33	40	**48**	PN
R1895	Residential	NCA01	29	40	**47**	**44**	30	**48**	35	36	23	41	38	**45**	26	-
R1896	Residential	NCA01	29	37	**44**	40	26	**44**	34	35	19	40	35	42	26	-
R1897	Residential	NCA01	27	35	41	37	24	41	33	34	19	39	32	39	24	-
R1898	Residential	NCA04	**57**	**50**	41	38	24	41	34	36	25	**47**	**45**	**52**	**54**	PN
R1899	Residential	NCA01	42	**61**	**64**	**62**	43	**64**	**56**	**58**	42	**50**	**57**	**64**	39	PN, V, SN, RO
R1900	Residential	NCA04	**55**	39	37	33	20	37	29	31	21	37	35	41	**52**	PN
R1901	Residential	NCA01	22	32	37	34	20	39	28	30	17	34	29	36	19	-
R1902	Residential	NCA01	23	30	36	32	19	36	27	29	13	35	27	34	20	-
R1903	Residential	NCA01	43	**62**	**64**	**63**	**44**	**65**	**56**	**57**	40	**55**	**58**	**64**	40	PN, V, SN, RO
R1904	Industrial	NCA04	44	44	40	36	23	40	32	34	24	41	37	45	41	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1905	Residential	NCA01	30	39	**47**	**44**	30	**48**	35	37	22	42	35	42	27	-
R1906	Industrial	NCA01	51	78	82	79	65	73	68	70	59	61	67	74	48	-
R1907	Residential	NCA01	43	**62**	**65**	**62**	**44**	**65**	**55**	**56**	40	**56**	**57**	**64**	40	PN, V, SN, RO
R1908	Residential	NCA01	27	38	**46**	42	27	**45**	33	35	22	40	35	42	24	-
R1909	Residential	NCA04	**48**	40	37	33	20	37	30	32	20	38	34	41	**45**	PN
R1910	Industrial	NCA01	32	62	68	64	49	67	38	39	26	43	58	65	29	-
R1911	Residential	NCA01	31	**47**	**53**	**49**	35	**54**	37	39	27	43	43	**51**	28	PN
R1912	Commercial	NCA01	34	50	56	53	39	62	40	42	29	46	47	54	31	-
R1913	Residential	NCA01	**44**	**62**	**65**	**63**	**44**	**65**	**55**	**57**	40	**55**	**58**	**65**	41	PN, V, SN, RO
R1914	Residential	NCA04	**46**	39	38	34	21	38	30	32	21	38	34	41	**43**	-
R1915	Residential	NCA04	**48**	42	39	35	21	39	31	33	22	39	37	**43**	**45**	PN
R1916	Residential	NCA01	36	**63**	**68**	**64**	**50**	**68**	**45**	**47**	33	**48**	**59**	**66**	33	PN, V, SN, RO
R1917	Residential	NCA04	**46**	**48**	40	37	23	40	34	35	25	**47**	**45**	**53**	**43**	PN
R1918	Residential	NCA01	42	**63**	**66**	**64**	**45**	**66**	**54**	**56**	38	**54**	**58**	**65**	39	PN, V, SN, RO
R1919	Educational institute	NCA01	26	35	41	38	23	43	30	32	17	38	32	39	23	-
R1920	Residential	NCA01	43	**62**	**65**	**63**	**44**	**65**	**55**	**56**	39	**55**	**58**	**65**	40	PN, V, SN, RO
R1921	Residential	NCA01	26	33	39	35	22	39	30	32	18	38	30	37	23	-
R1922	Residential	NCA01	29	42	**50**	**46**	32	**50**	35	37	24	41	40	**45**	26	PN
R1923	Industrial	NCA04	60	76	55	51	38	55	49	51	39	96	83	90	57	-
R1924	Residential	NCA04	**52**	**54**	**45**	41	27	**44**	38	40	29	**51**	**51**	**57**	**49**	PN
R1925	Residential	NCA04	**50**	**49**	40	37	23	40	33	35	25	**44**	**44**	**52**	**47**	PN
R1926	Residential	NCA01	42	**66**	**67**	**65**	**46**	**67**	**54**	**56**	39	**54**	**60**	**67**	39	PN, V, SN, RO
R1927	Residential	NCA04	**53**	40	38	34	21	38	31	33	22	40	34	41	**50**	PN
R1928	Residential	NCA04	**50**	**49**	**43**	39	25	42	37	39	26	**49**	**47**	**53**	**47**	PN
R1929	Residential	NCA01	41	**67**	**67**	**67**	**47**	**67**	**54**	**55**	39	**52**	**61**	**68**	38	PN, V, SN, RO
R1930	Residential	NCA04	**46**	**49**	39	36	22	39	32	34	23	42	**46**	**54**	**43**	PN
R1931	Commercial	NCA01	35	53	60	56	42	60	41	44	31	47	51	58	32	-
R1932	Residential	NCA04	**50**	**46**	38	35	22	38	31	33	22	41	42	**49**	**47**	PN
R1933	Residential	NCA01	25	32	39	34	21	39	29	31	16	37	29	37	22	-
R1934	Residential	NCA01	41	**64**	**66**	**63**	**46**	**66**	**53**	**55**	38	**53**	**58**	**65**	38	PN, V, SN, RO
R1935	Residential	NCA01	28	36	42	39	25	43	32	34	19	39	33	40	25	-
R1936	Residential	NCA04	**45**	**47**	42	38	25	42	34	37	26	**43**	**43**	**49**	42	PN
R1937	Residential	NCA04	**46**	**48**	40	36	23	40	32	35	24	**47**	**44**	**49**	**43**	PN
R1938	Residential	NCA01	31	40	**47**	**44**	29	**47**	36	38	22	42	35	42	28	-
R1939	Residential	NCA01	31	**47**	**52**	**49**	35	**54**	38	40	27	43	41	**48**	28	PN
R1940	Residential	NCA04	**47**	**43**	38	34	21	38	30	33	22	40	40	**47**	**44**	-
R1941	Residential	NCA01	29	39	**47**	43	29	**46**	35	36	23	41	37	**44**	26	-
R1942	Residential	NCA01	40	**66**	**66**	**64**	**46**	**66**	**51**	**52**	36	**52**	**60**	**67**	37	PN, V, SN, RO
R1943	Residential	NCA04	**44**	**45**	40	37	23	40	33	35	23	42	36	**43**	41	-
R1944	Residential	NCA01	23	30	36	32	19	37	26	28	12	35	27	34	20	-
R1945	Residential	NCA01	42	**60**	**61**	**61**	42	**63**	**54**	**56**	41	**54**	**56**	**63**	39	PN, V, SN, RO
R1946	Residential	NCA04	**48**	**43**	40	36	23	40	34	35	24	**44**	38	**45**	**45**	PN
R1947	Industrial	NCA04	58	71	53	49	35	54	48	50	37	84	74	81	55	-
R1948	Residential	NCA01	29	42	**49**	**45**	31	**48**	35	37	25	41	39	**46**	26	PN
R1949	Residential	NCA04	**45**	41	39	35	22	39	31	34	23	42	37	**45**	42	-
R1950	Residential	NCA04	**47**	**44**	39	35	22	39	31	34	23	40	37	**44**	**44**	-
R1951	Industrial	NCA04	48	65	49	46	32	48	43	45	34	67	65	72	45	-
R1952	Place of worship	NCA01	32	45	50	48	32	53	37	39	24	44	40	47	29	-
R1953	Residential	NCA01	42	**68**	**67**	**68**	**48**	**68**	**51**	**53**	39	**53**	**63**	**69**	39	PN, V, SN, RO, RP, DR
R1954	Residential	NCA04	**52**	**43**	39	35	22	39	32	34	23	40	36	**43**	**49**	PN
R1955	Residential	NCA01	30	38	**44**	40	26	**44**	36	38	23	42	35	42	27	-
R1956	Residential	NCA01	26	33	39	36	22	40	29	31	16	37	30	37	23	-
R1957	Residential	NCA04	**46**	**43**	41	37	23	41	33	35	25	42	37	**43**	**43**	-
R1958	Residential	NCA04	**54**	**48**	42	39	25	42	35	37	26	**46**	41	**49**	**51**	PN
R1959	Residential	NCA01	38	**66**	**67**	**65**	**48**	**67**	41	42	28	**50**	**61**	**68**	35	PN, V, SN, RO
R1960	Residential	NCA01	40	**67**	**66**	**65**	**46**	**67**	**49**	**50**	33	**51**	**60**	**67**	37	PN, V, SN, RO
R1961	Residential	NCA04	**48**	40	39	36	22	39	33	35	24	**43**	35	42	**45**	PN
R1962	Residential	NCA01	31	40	**46**	**44**	30	**48**	37	39	26	43	36	43	28	-
R1963	Residential	NCA01	38	**66**	**66**	**65**	**46**	**66**	**47**	**49**	34	**50**	**60**	**67**	35	PN, V, SN, RO
R1964	Residential	NCA04	**52**	39	40	36	23	40	33	35	24	**44**	35	42	**49**	PN
R1965	Residential	NCA04	**52**	**43**	40	36	22	39	31	34	23	40	40	**46**	**49**	PN
R1966	Residential	NCA04	41	40	40	37	23	39	34	36	24	**46**	37	**44**	38	-
R1967	Residential	NCA01	41	**68**	**69**	**69**	**50**	**69**	**50**	**52**	38	**52**	**64**	**71**	38	PN, V, SN, RO, RP, DR
R1968	Residential	NCA01	28	37	**45**	41	28	**44**	33	35	21	40	35	41	25	-
R1969	Residential	NCA04	**51**	**48**	42	38	24	41	34	36	26	**46**	42	**49**	**48**	PN
R1970	Residential	NCA04	**53**	**46**	**43**	39	25	**43**	35	37	25	**45**	40	**47**	**50**	PN
R1971	Residential	NCA01	31	38	**44**	40	25	**44**	36	38	22	43	35	42	28	-
R1972	Residential	NCA04	**51**	**46**	40	36	22	39	33	35	24	**46**	42	**48**	**48**	PN
R1973	Residential	NCA01	28	43	**50**	**47**	32	**51**	35	37	22	41	38	**46**	25	PN
R1974	Residential	NCA01	33	**66**	**66**	**65**	**47**	**66**	41	43	28	42	**60**	**67**	30	PN, V, SN, RO
R1975	Residential	NCA01	27	37	**45**	41	27	**45**	33	35	22	40	35	42	24	-
R1976	Residential	NCA01	31	**48**	**53**	**50**	36	**55**	38	39	27	43	43	**50**	28	PN
R1977	Residential	NCA04	42	**44**	39	35	22	39	32	33	23	41	38	**45**	39	-
R1978	Residential	NCA04	**53**	**44**	42	39	25	42	35	37	26	**44**	42	**48**	**50**	PN
R1979	Residential	NCA01	30	**44**	**51**	**48**	34	**51**	35	37	26	42	41	**48**	27	PN
R1980	Residential	NCA01	39	**67**	**69**	**67**	**49**	**67**	**47**	**49**	36	**50**	**62**	**69**	36	PN, V, SN, RO, RP, DR
R1981	Residential	NCA04	**43**	**52**	**44**	41	27	**44**	38	40	29	**50**	**50**	**56**	40	PN
R1982	Residential	NCA01	37	**66**	**66**	**66**	**46**	**67**	**46**	**48**	33	**49**	**61**	**68**	34	PN, V, SN, RO
R1983	Residential	NCA01	39	**66**	**68**	**66**	**48**	**68**	**48**	**49**	36	**50**	**60**	**67**	36	PN, V, SN, RO
R1984	Residential	NCA01	29	**47**	**54**	**50**	36	**55**	35	37	25	41	41	**48**	26	PN
R1985	Residential	NCA01	28	40	**46**	42	29	**46**	35	36	22	41	37	**44**	25	-
R1986	Residential	NCA04	42	**44**	**43**	39	25	**43**	35	37	27	**44**	42	**47**	39	-
R1987	Industrial	NCA01	43	69	69	69	50	69	53	55	40	54	63	70	40	-
R1988	Residential	NCA01	30	**47**	**53**	**51**	35	**54**	37	39	24	42	41	**48**	27	PN
R1989	Residential	NCA04	**52**	**48**	42	39	25	42	35	37	27	**45**	41	**49**	**49**	PN
R1990	Residential	NCA01	27	35	40	37	24	41	32	34	20	39	31	39	24	-
R1991	Residential	NCA01	31	**48**	**54**	**51**	38	**55**	37	38	25	43	**44**	**51**	28	PN
R1992	Residential	NCA04	**43**	39	39	36	22	39	33	35	23	41	34	41	40	-
R1993	Residential	NCA01	28	42	**49**	**45**	31	**49**	34	36	24	40	39	**46**	25	PN
R1994	Residential	NCA04	**43**	35	39	35	22	39	32	34	23	41	32	39	40	-
R1995	Residential	NCA01	39	**66**	**69**	**66**	**49**	**69**	**47**	**49**	34	**50**	**61**	**68**	36	PN, V, SN, RO, RP, DR
R1996	Residential	NCA01	39	**66**	**67**	**65**	**46**	**67**	**48**	**49**	34	**51**	**61**	**68**	36	PN, V, SN, RO
R1997	Residential	NCA04	**49**	42	39	36	22	39	32	34	24	40	38	**45**	**46**	PN
R1998	Residential	NCA01	31	**48**	**53**	**50**	36	**54**	37	38	27	43	**44**	**50**	28	PN
R1999	Residential	NCA01	29	39	**46**	43	29	**47**	33	35	19	41	35	41	26	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2000	Residential	NCA01	28	37	43	39	26	**44**	33	34	20	40	34	41	25	-
R2001	Residential	NCA04	**43**	**47**	**44**	40	26	**43**	37	39	28	**49**	**45**	**51**	40	PN
R2002	Residential	NCA04	**52**	**43**	41	37	24	41	33	35	24	41	39	**46**	**49**	PN
R2003	Residential	NCA01	38	**67**	**70**	**66**	**49**	**70**	**47**	**49**	34	**50**	**61**	**68**	35	PN, V, SN, RO, RP, DR
R2004	Residential	NCA04	38	38	37	34	20	37	30	33	23	37	34	41	35	-
R2005	Residential	NCA01	30	**46**	**53**	**50**	35	**54**	35	37	23	42	41	**48**	27	PN
R2006	Residential	NCA01	37	**66**	**69**	**66**	**50**	**69**	**44**	**46**	32	**47**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2007	Residential	NCA01	25	32	38	34	21	39	25	27	14	34	29	36	22	-
R2008	Residential	NCA01	29	41	**46**	42	30	**47**	34	36	24	41	37	**44**	26	-
R2009	Residential	NCA01	38	**66**	**70**	**67**	**50**	**70**	**46**	**48**	32	**49**	**62**	**69**	35	PN, V, SN, RO, RP, DR
R2010	Residential	NCA01	30	43	**50**	**46**	32	**50**	36	38	22	42	41	**48**	27	PN
R2011	Residential	NCA01	26	32	38	34	21	38	29	30	16	38	29	36	23	-
R2012	Residential	NCA04	42	**49**	**43**	40	26	**43**	37	39	28	**49**	**47**	**52**	39	PN
R2013	Residential	NCA04	**52**	41	40	37	23	40	32	35	24	41	38	**45**	**49**	PN
R2014	Residential	NCA01	38	**65**	**68**	**65**	**49**	**68**	**46**	**48**	32	**48**	**60**	**67**	35	PN, V, SN, RO
R2015	Residential	NCA01	39	**67**	**70**	**67**	**52**	**71**	**46**	**48**	35	**50**	**62**	**69**	36	PN, V, SN, RO, RP, DR
R2016	Residential	NCA01	40	**70**	**68**	**68**	**47**	**68**	**49**	**52**	35	**51**	**61**	**69**	37	PN, V, SN, RO, RP, DR
R2017	Residential	NCA04	**44**	37	41	38	24	41	34	36	25	42	35	42	41	-
R2018	Residential	NCA04	**48**	40	41	38	24	41	34	36	23	40	37	**44**	**45**	PN
R2019	Residential	NCA01	28	37	43	39	26	43	33	35	20	40	34	40	25	-
R2020	Residential	NCA01	27	38	**45**	41	27	**45**	33	35	21	40	35	42	24	-
R2021	Residential	NCA01	26	39	**45**	41	27	**46**	29	31	17	38	36	43	23	-
R2022	Commercial	NCA01	35	68	66	63	49	71	40	42	31	45	56	63	32	-
R2023	Residential	NCA04	**50**	40	39	35	22	39	31	33	23	39	37	**43**	**47**	PN
R2024	Residential	NCA01	40	**70**	**72**	**70**	**54**	**73**	**47**	**48**	35	**51**	**64**	**71**	37	PN, V, SN, RO, RP, DR
R2025	Residential	NCA01	27	33	40	35	21	39	31	33	16	39	30	38	24	-
R2026	Residential	NCA01	36	**69**	**72**	**69**	**54**	**72**	42	**44**	30	**48**	**63**	**70**	33	PN, V, SN, RO, RP, DR
R2027	Residential	NCA04	41	**44**	**43**	40	26	**43**	36	39	26	**44**	41	**47**	38	-
R2028	Industrial	NCA01	42	76	71	73	50	73	54	56	39	54	65	72	39	-
R2029	Residential	NCA04	**43**	**51**	**44**	41	27	**44**	37	39	29	**50**	**49**	**56**	40	PN
R2030	Place of worship	NCA01	30	42	48	45	31	48	34	36	22	42	39	47	27	-
R2031	Residential	NCA01	35	**68**	**72**	**68**	**54**	**72**	41	43	29	**47**	**63**	**70**	32	PN, V, SN, RO, RP, DR
R2032	Residential	NCA04	**48**	41	37	34	21	37	30	32	22	39	35	**47**	**45**	PN
R2033	Residential	NCA01	29	39	**45**	41	28	**46**	34	35	23	40	36	43	26	-
R2034	Residential	NCA01	40	**71**	**71**	**70**	**49**	**69**	**49**	**51**	36	**51**	**65**	**72**	37	PN, V, SN, RO, RP, DR
R2035	Place of worship	NCA01	30	43	50	46	32	50	36	37	25	41	40	47	27	-
R2036	Residential	NCA01	27	34	39	35	22	39	31	33	18	38	30	37	24	-
R2037	Residential	NCA04	**45**	**44**	42	39	25	42	35	37	25	**44**	42	**49**	42	PN
R2038	Industrial	NCA04	48	61	49	47	32	49	44	46	35	71	60	67	45	-
R2039	Commercial	NCA01	33	56	60	56	43	62	40	41	29	45	46	53	30	-
R2040	Residential	NCA01	38	**70**	**67**	**67**	**48**	**68**	**48**	**50**	34	**50**	**62**	**69**	35	PN, V, SN, RO, RP, DR
R2041	Residential	NCA04	**44**	39	38	34	20	36	31	33	22	39	37	**44**	41	-
R2042	Residential	NCA04	42	**47**	**43**	39	25	42	36	38	26	**45**	**45**	**51**	39	PN
R2043	Residential	NCA01	22	28	34	32	17	36	24	26	13	34	25	32	19	-
R2044	Commercial	NCA01	33	51	57	53	39	58	40	42	28	45	46	53	30	-
R2045	Residential	NCA04	**43**	**51**	**44**	40	26	**43**	37	39	28	**49**	**49**	**54**	40	PN
R2046	Residential	NCA04	**46**	**46**	42	38	25	41	35	37	26	**44**	**44**	**49**	**43**	PN
R2047	Residential	NCA04	**47**	**46**	41	37	24	41	34	36	25	**46**	40	**45**	**44**	-
R2048	Residential	NCA04	**45**	**43**	40	37	23	40	34	36	24	**45**	40	**47**	42	-
R2049	Residential	NCA01	28	39	**46**	41	28	**46**	34	36	21	41	36	43	25	-
R2050	Commercial	NCA01	34	64	65	61	47	69	41	43	28	46	56	63	31	-
R2051	Residential	NCA01	39	**73**	**70**	**70**	**49**	**70**	**49**	**50**	34	**51**	**64**	**71**	36	PN, V, SN, RO, RP, DR
R2052	Industrial	NCA04	44	44	40	37	23	40	33	35	25	44	38	44	41	-
R2053	Residential	NCA01	29	40	**47**	43	29	**47**	34	36	22	41	37	**44**	26	-
R2054	Residential	NCA04	**44**	41	40	37	22	39	33	35	24	**44**	39	**47**	41	-
R2055	Residential	NCA01	40	**78**	**78**	**76**	**59**	**78**	**47**	**49**	36	**50**	**70**	**77**	37	PN, V, SN, RO, RP, DR
R2056	Commercial	NCA01	32	49	55	51	37	55	39	40	27	43	46	53	29	-
R2057	Residential	NCA01	29	39	**47**	**44**	29	**48**	34	36	21	40	37	**44**	26	-
R2058	Residential	NCA01	28	42	**48**	**45**	31	**49**	34	36	25	40	39	**46**	25	PN
R2059	Residential	NCA01	25	33	39	37	22	41	29	31	16	37	30	37	22	-
R2060	Residential	NCA01	27	36	43	39	25	43	33	35	21	39	33	40	24	-
R2061	Residential	NCA01	41	**76**	**72**	**73**	**51**	**72**	**52**	**54**	39	**52**	**66**	**72**	38	PN, V, SN, RO, RP, DR
R2062	Residential	NCA04	**47**	**52**	**45**	42	28	**45**	39	41	30	**50**	**50**	**56**	**44**	PN
R2063	Residential	NCA04	**51**	**47**	**44**	39	25	**43**	37	39	27	**48**	**44**	**50**	**48**	PN
R2064	Residential	NCA01	36	**69**	**72**	**69**	**53**	**73**	**44**	**45**	30	**48**	**64**	**71**	33	PN, V, SN, RO, RP, DR
R2065	Residential	NCA01	29	38	**45**	41	28	**46**	35	36	23	40	35	42	26	-
R2066	Residential	NCA01	24	34	41	37	23	41	30	32	17	36	31	38	21	-
R2067	Residential	NCA04	**46**	**45**	42	38	25	42	35	37	26	**48**	42	**47**	**43**	PN
R2068	Residential	NCA04	**45**	**44**	37	34	20	36	31	33	19	39	37	42	42	-
R2069	Commercial	NCA01	32	50	55	52	38	59	38	40	25	44	43	50	29	-
R2070	Residential	NCA01	41	**76**	**73**	**75**	**54**	**74**	**50**	**53**	38	**53**	**69**	**76**	38	PN, V, SN, RO, RP, DR
R2071	Residential	NCA04	**46**	**51**	40	36	23	39	33	35	25	**45**	**48**	**54**	**43**	PN
R2072	Residential	NCA01	38	**71**	**69**	**70**	**50**	**70**	**47**	**49**	33	**50**	**64**	**71**	35	PN, V, SN, RO, RP, DR
R2073	Residential	NCA01	34	**68**	**72**	**68**	**54**	**72**	42	43	29	**46**	**63**	**70**	31	PN, V, SN, RO, RP, DR
R2074	Residential	NCA01	30	**44**	**50**	**46**	33	**51**	36	38	25	42	40	**48**	27	PN
R2075	Industrial	NCA04	48	60	50	48	32	50	45	47	35	70	60	67	45	-
R2076	Residential	NCA04	**48**	**44**	41	38	23	41	35	37	25	**47**	42	**47**	**45**	PN
R2077	Residential	NCA04	41	38	34	31	16	33	27	29	18	39	32	39	38	-
R2078	Residential	NCA04	**50**	**47**	**43**	39	25	**43**	36	38	27	**47**	**45**	**48**	**47**	PN
R2079	Residential	NCA04	**50**	**46**	42	38	24	41	35	37	26	**46**	**43**	**48**	**47**	PN
R2080	Residential	NCA01	24	31	36	33	20	37	27	29	13	35	28	35	21	-
R2081	Residential	NCA01	39	**77**	**75**	**75**	**55**	**76**	**48**	**50**	36	**51**	**70**	**77**	36	PN, V, SN, RO, RP, DR
R2082	Residential	NCA01	30	43	**50**	**46**	32	**50**	37	39	24	42	40	**47**	27	PN
R2083	Residential	NCA01	40	**77**	**72**	**72**	**51**	**72**	**48**	**50**	36	**49**	**66**	**73**	37	PN, V, SN, RO, RP, DR
R2084	Residential	NCA04	**46**	**44**	40	37	22	39	34	36	24	**45**	40	**46**	**43**	-
R2085	Industrial	NCA04	58	64	51	49	34	50	48	49	38	73	63	70	55	-
R2086	Residential	NCA01	25	33	39	36	22	40	30	31	15	37	30	37	22	-
R2087	Residential	NCA01	38	**76**	**77**	**75**	**60**	**78**	**46**	**48**	34	**50**	**69**	**76**	35	PN, V, SN, RO, RP, DR
R2088	Residential	NCA01	41	**76**	**77**	**75**	**60**	**78**	**49**	**51**	37	**50**	**69**	**76**	38	PN, V, SN, RO, RP, DR
R2089	Commercial	NCA01	31	49	55	51	37	55	38	40	28	43	45	52	28	-
R2090	Industrial	NCA04	43	59	44	42	28	44	38	40	29	67	58	65	40	-
R2091	Residential	NCA01	27	36	43	39	25	43	32	34	19	39	34	40	24	-
R2092	Residential	NCA01	37	**78**	**72**	**74**	**52**	**73**	**45**	**48**	35	**48**	**67**	**74**	34	PN, V, SN, RO, RP, DR
R2093	Residential	NCA01	39	**77**	**73**	**74**	**53**	**73**	**44**	**47**	35	**49**	**68**	**75**	36	PN, V, SN, RO, RP, DR
R2094	Residential	NCA01	28	40	**46**	42	29	**47**	32	34	20	40	37	**44**	25	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2095	Residential	NCA04	46	47	41	37	23	41	34	36	25	47	45	51	43	PN
R2096	Residential	NCA01	28	44	50	46	32	51	34	36	24	40	41	48	25	PN
R2097	Residential	NCA01	29	40	46	45	28	49	34	36	24	41	36	44	26	PN
R2098	Residential	NCA01	29	41	47	44	30	47	34	36	23	41	38	45	26	-
R2099	Commercial	NCA01	25	36	44	42	26	46	29	31	16	37	32	39	22	-
R2100	Residential	NCA04	49	49	44	40	26	43	37	39	28	49	46	50	46	PN
R2101	Commercial	NCA01	30	42	49	45	30	49	36	37	22	42	38	45	27	-
R2102	Industrial	NCA04	48	56	49	46	31	49	43	45	34	61	54	61	45	-
R2103	Commercial	NCA01	37	70	68	66	50	75	43	45	32	47	60	67	34	-
R2104	Commercial	NCA01	25	37	42	42	27	47	29	31	16	37	33	40	22	-
R2105	Residential	NCA04	49	50	44	41	27	44	38	41	30	51	48	54	46	PN
R2106	Industrial	NCA04	66	65	57	54	39	57	50	52	41	73	64	71	63	-
R2107	Residential	NCA01	24	33	40	36	21	40	28	30	15	36	31	38	21	-
R2108	Residential	NCA04	49	50	41	39	24	41	36	38	25	48	47	54	46	PN
R2109	Residential	NCA02	54	75	91	100	78	87	82	83	72	66	78	85	51	PN, V, SN, RO, RP, DR
R2110	Residential	NCA01	37	76	76	74	56	77	44	47	33	47	69	75	34	PN, V, SN, RO, RP, DR
R2111	Residential	NCA04	50	43	40	37	23	40	34	36	24	46	40	46	47	PN
R2112	Residential	NCA01	32	75	76	74	56	76	39	41	25	44	68	75	29	PN, V, SN, RO, RP, DR
R2113	Residential	NCA04	45	51	44	41	27	44	38	40	29	51	49	55	42	PN
R2114	Residential	NCA01	37	76	75	74	56	76	44	47	33	46	68	75	34	PN, V, SN, RO, RP, DR
R2115	Residential	NCA01	29	43	50	46	32	50	35	37	23	41	40	46	26	PN
R2116	Residential	NCA04	48	51	45	42	27	44	39	41	30	51	49	55	45	PN
R2117	Residential	NCA01	27	38	45	41	27	45	32	34	20	39	35	42	24	-
R2118	Residential	NCA01	38	77	77	76	59	78	45	47	33	48	70	77	35	PN, V, SN, RO, RP, DR
R2119	Commercial	NCA01	35	58	61	58	46	64	40	42	30	46	53	60	32	-
R2120	Residential	NCA04	44	52	44	41	27	44	38	40	29	50	49	55	41	PN
R2121	Industrial	NCA04	52	59	50	47	32	50	45	47	35	69	59	66	49	-
R2122	Residential	NCA02	52	72	89	92	76	86	78	81	70	62	76	83	49	PN, V, SN, RO, RP, DR
R2123	Residential	NCA01	27	37	43	39	25	43	32	34	20	39	34	41	24	-
R2124	Residential	NCA04	41	38	38	34	21	38	30	32	22	39	35	41	38	-
R2125	Commercial	NCA01	38	77	78	76	60	78	45	47	34	50	70	77	35	-
R2126	Commercial	NCA01	30	45	52	49	34	53	35	37	22	42	42	49	27	-
R2127	Residential	NCA01	27	36	42	39	25	43	32	34	20	39	33	41	24	-
R2128	Residential	NCA02	51	72	88	91	75	86	77	80	69	59	75	82	48	PN, V, SN, RO, RP, DR
R2129	Residential	NCA01	28	43	49	46	32	49	34	36	24	40	39	47	25	PN
R2130	Residential	NCA04	45	49	40	37	23	40	35	37	24	46	44	47	42	PN
R2131	Residential	NCA04	45	44	41	38	24	41	35	37	26	46	42	48	42	PN
R2132	Residential	NCA01	26	36	43	39	25	43	32	34	19	38	34	40	23	-
R2133	Residential	NCA04	42	42	40	37	23	40	34	36	25	45	40	45	39	-
R2134	Industrial	NCA04	52	61	45	41	28	45	37	39	29	68	59	66	49	-
R2135	Residential	NCA02	51	70	88	91	75	85	74	77	66	61	75	82	48	PN, V, SN, RO, RP, DR
R2136	Residential	NCA04	41	42	38	36	21	38	33	35	23	44	39	45	38	-
R2137	Industrial	NCA04	47	58	49	46	32	48	43	45	34	62	56	63	44	-
R2138	Residential	NCA02	47	72	88	92	75	86	72	74	64	59	75	82	44	PN, V, SN, RO, RP, DR
R2139	Commercial	NCA01	32	53	57	54	39	57	38	39	24	43	48	55	29	-
R2140	Residential	NCA02	48	73	88	91	74	86	68	70	60	60	75	82	45	PN, V, SN, RO, RP, DR
R2141	Residential	NCA04	38	39	41	38	24	41	34	36	25	46	37	44	35	-
R2142	Residential	NCA02	54	69	80	79	64	79	73	74	63	66	69	76	51	PN, V, SN, RO, RP, DR
R2143	Commercial	NCA01	30	41	47	44	30	48	36	38	22	42	38	45	27	-
R2144	Residential	NCA04	48	46	42	39	25	42	35	37	27	47	43	50	45	PN
R2145	Residential	NCA04	33	44	41	38	24	41	34	36	25	46	43	49	30	PN
R2146	Residential	NCA02	47	73	88	90	74	86	66	68	58	59	75	82	44	PN, V, SN, RO, RP, DR
R2147	Residential	NCA01	27	40	46	42	28	46	34	36	23	40	37	44	24	-
R2148	Residential	NCA04	47	40	39	35	21	39	31	33	22	43	37	42	44	-
R2149	Residential	NCA02	49	73	89	91	75	86	65	67	56	59	75	82	46	PN, V, SN, RO, RP, DR
R2150	Commercial	NCA01	34	56	60	57	43	62	39	42	29	45	51	58	31	-
R2151	Commercial	NCA01	31	46	52	49	34	53	37	39	25	43	42	49	28	-
R2152	Residential	NCA02	47	74	89	91	75	86	64	66	55	58	75	82	44	PN, V, SN, RO, RP, DR
R2153	Residential	NCA01	23	33	39	35	22	40	26	29	16	34	30	37	20	-
R2154	Residential	NCA04	47	37	42	39	24	42	36	38	25	45	35	43	44	-
R2155	Residential	NCA04	47	41	41	38	24	41	34	37	26	46	38	46	44	-
R2156	Residential	NCA04	38	51	45	42	27	44	38	40	29	52	48	55	35	PN
R2157	Industrial	NCA04	46	59	48	46	31	48	42	44	33	60	58	65	43	-
R2158	Residential	NCA02	45	74	92	99	80	88	60	62	51	56	77	84	42	PN, V, SN, RO, RP, DR
R2159	Residential	NCA02	45	72	88	91	75	86	63	64	51	58	75	82	42	PN, V, SN, RO, RP, DR
R2160	Residential	NCA04	46	44	44	40	26	43	37	39	28	50	41	48	43	PN
R2161	Residential	NCA02	45	73	88	91	75	86	61	62	50	57	75	82	42	PN, V, SN, RO, RP, DR
R2162	Residential	NCA01	27	39	45	42	27	45	33	35	20	39	36	43	24	-
R2163	Residential	NCA01	28	43	49	46	31	49	34	36	22	40	39	46	25	PN
R2164	Residential	NCA04	46	45	41	38	24	41	34	37	26	47	43	45	43	-
R2165	Commercial	NCA01	39	79	75	73	58	79	45	47	34	48	67	74	36	-
R2166	Residential	NCA02	39	73	89	92	76	86	49	51	38	49	75	82	36	PN, V, SN, RO, RP, DR
R2167	Commercial	NCA01	36	65	64	61	48	68	43	45	30	47	56	63	33	-
R2168	Residential	NCA01	28	36	44	40	26	44	32	34	18	39	34	41	25	-
R2169	Residential	NCA04	36	41	37	33	21	37	29	32	22	41	39	43	33	-
R2170	Industrial	NCA04	41	41	39	37	22	39	33	36	23	44	38	45	38	-
R2171	Residential	NCA04	38	45	44	41	27	44	37	39	28	50	42	48	35	PN
R2172	Residential	NCA02	54	66	77	75	61	76	69	71	60	66	67	74	51	PN, V, SN, RO, RP, DR
R2173	Industrial	NCA04	43	43	40	37	23	40	33	35	25	45	40	47	40	-
R2174	Residential	NCA01	26	34	41	37	23	41	30	33	17	38	31	38	23	-
R2175	Residential	NCA02	51	68	79	76	63	77	67	69	53	63	68	75	48	PN, V, SN, RO, RP, DR
R2176	Residential	NCA02	40	73	88	90	74	85	51	53	40	51	75	82	37	PN, V, SN, RO, RP, DR
R2177	Residential	NCA04	47	42	41	38	24	41	35	37	25	46	39	45	44	-
R2178	Residential	NCA02	42	73	88	90	75	86	56	58	44	53	75	82	39	PN, V, SN, RO, RP, DR
R2179	Residential	NCA01	28	43	49	46	32	50	34	36	25	40	40	47	25	PN
R2180	Residential	NCA01	28	43	49	46	32	50	34	36	23	40	40	47	25	PN
R2181	Residential	NCA02	43	73	88	90	75	86	56	58	46	54	75	82	40	PN, V, SN, RO, RP, DR
R2182	Residential	NCA04	38	41	41	38	24	41	34	36	25	48	39	46	35	PN
R2183	Industrial	NCA04	44	59	48	46	31	48	42	44	33	57	58	65	41	-
R2184	Residential	NCA02	43	74	89	91	75	86	55	57	43	53	75	82	40	PN, V, SN, RO, RP, DR
R2185	Residential	NCA02	57	65	72	72	55	70	67	69	58	68	65	72	54	PN, V, SN, RO, RP, DR
R2186	Commercial	NCA01	28	40	46	42	29	46	33	35	20	39	36	43	25	-
R2187	Residential	NCA04	46	51	45	42	28	44	39	41	29	52	49	54	43	PN
R2188	Residential	NCA01	27	43	49	45	31	49	33	35	23	38	39	46	24	PN
R2189	Industrial	NCA04	46	55	49	47	32	49	43	45	33	62	53	59	43	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2190	Residential	NCA04	41	41	37	33	20	37	30	32	21	41	39	42	38	-
R2191	Residential	NCA04	**47**	**49**	**44**	41	27	**44**	38	40	29	**51**	**47**	**53**	**44**	PN
R2192	Residential	NCA02	40	**72**	**87**	**88**	**73**	**85**	**48**	**50**	33	**49**	**74**	**81**	37	PN, V, SN, RO, RP, DR
R2193	Residential	NCA04	37	**47**	39	35	22	39	31	33	23	**48**	**44**	**50**	34	PN
R2194	Residential	NCA02	42	**73**	**87**	**88**	**73**	**85**	**54**	**56**	43	**53**	**74**	**81**	39	PN, V, SN, RO, RP, DR
R2195	Industrial	NCA04	63	60	57	54	39	56	50	52	40	68	58	65	60	-
R2196	Residential	NCA02	**44**	**70**	**81**	**80**	**65**	**80**	**48**	**50**	38	**51**	**70**	**77**	41	PN, V, SN, RO, RP, DR
R2197	Residential	NCA01	26	34	41	37	24	41	30	32	17	37	31	38	23	-
R2198	Residential	NCA02	**44**	**69**	**81**	**80**	**66**	**79**	**49**	**51**	39	**54**	**69**	**76**	41	PN, V, SN, RO, RP, DR
R2199	Residential	NCA01	27	43	**48**	**45**	31	**49**	33	35	23	39	39	**46**	24	PN
R2200	Residential	NCA02	**45**	**69**	**79**	**77**	**63**	**78**	**54**	**56**	**45**	**57**	**68**	**75**	42	PN, V, SN, RO, RP, DR
R2201	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	43	**53**	**75**	**82**	38	PN, V, SN, RO, RP, DR
R2202	Commercial	NCA01	29	40	45	42	28	45	34	36	21	41	36	43	26	-
R2203	Residential	NCA02	**54**	**65**	**75**	**72**	**59**	**74**	**67**	**68**	**58**	**66**	**65**	**71**	**51**	PN, V, SN, RO, RP, DR
R2204	Residential	NCA01	27	38	**46**	42	28	**46**	33	35	21	39	36	43	24	-
R2205	Residential	NCA02	**51**	**65**	**76**	**72**	**59**	**76**	**65**	**67**	**57**	**61**	**66**	**73**	**48**	PN, V, SN, RO, RP, DR
R2206	Residential	NCA04	37	**43**	42	39	25	42	35	37	27	**48**	42	**45**	34	PN
R2207	Residential	NCA01	25	34	40	37	22	40	30	32	15	36	32	38	22	-
R2208	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	41	**54**	**75**	**82**	38	PN, V, SN, RO, RP, DR
R2209	Residential	NCA04	38	**46**	35	31	18	35	27	29	19	40	**43**	**47**	35	-
R2210	Residential	NCA04	**45**	37	39	35	22	39	30	32	22	**43**	35	42	42	-
R2211	Residential	NCA01	26	34	42	38	24	42	31	33	17	38	32	39	23	-
R2212	Residential	NCA02	40	**72**	**88**	**90**	**75**	**86**	**52**	**52**	40	**51**	**75**	**82**	37	PN, V, SN, RO, RP, DR
R2213	Industrial	NCA04	46	45	42	39	25	42	35	37	27	47	42	49	43	-
R2214	Residential	NCA04	36	**43**	42	38	25	42	35	36	25	**47**	40	**48**	33	PN
R2215	Commercial	NCA01	32	51	56	53	38	57	38	40	28	44	48	55	29	-
R2216	Industrial	NCA04	47	55	50	48	33	51	45	47	35	62	53	59	44	-
R2217	Commercial	NCA01	28	40	45	42	28	45	35	37	22	40	37	43	25	-
R2218	Residential	NCA02	**51**	**66**	**75**	**72**	**59**	**74**	**66**	**68**	**58**	**63**	**65**	**72**	**48**	PN, V, SN, RO, RP, DR
R2219	Residential	NCA04	**45**	**53**	**45**	42	28	**45**	38	40	29	**53**	**51**	**55**	42	PN
R2220	Residential	NCA02	40	**74**	**90**	**93**	**77**	**87**	**51**	**52**	38	**52**	**76**	**83**	37	PN, V, SN, RO, RP, DR
R2221	Residential	NCA01	27	38	**46**	42	28	**46**	33	35	20	39	36	43	24	-
R2222	Residential	NCA02	42	**69**	**79**	**78**	**64**	**79**	**48**	**50**	37	**53**	**69**	**76**	39	PN, V, SN, RO, RP, DR
R2223	Residential	NCA02	**54**	**65**	**72**	**71**	**56**	**62**	**66**	**67**	**58**	**67**	**64**	**71**	**51**	PN, V, SN, RO, RP, DR
R2224	Residential	NCA01	24	31	36	33	19	36	28	31	15	35	28	35	21	-
R2225	Residential	NCA02	42	**67**	**79**	**75**	**59**	**78**	**49**	**50**	39	**54**	**68**	**75**	39	PN, V, SN, RO, RP, DR
R2226	Residential	NCA02	42	**70**	**79**	**76**	**62**	**78**	**49**	**51**	39	**51**	**68**	**75**	39	PN, V, SN, RO, RP, DR
R2227	Active recreation	NCA01	29	39	46	43	29	46	33	36	19	40	36	43	26	-
R2228	Residential	NCA04	34	42	38	35	22	38	31	33	23	**43**	40	**44**	31	-
R2229	Residential	NCA02	37	**73**	**88**	**89**	**75**	**86**	**45**	**47**	34	**49**	**75**	**82**	34	PN, V, SN, RO, RP, DR
R2230	Active recreation	NCA04	44	44	41	38	24	41	34	36	26	46	41	45	41	-
R2231	Residential	NCA02	**54**	**66**	**74**	**71**	**57**	**73**	**66**	**68**	**57**	**65**	**64**	**71**	**51**	PN, V, SN, RO, RP, DR
R2232	Active recreation	NCA04	39	41	40	37	22	40	33	35	24	45	38	45	36	-
R2233	Active recreation	NCA04	43	42	39	36	22	38	32	34	23	44	39	42	40	-
R2234	Residential	NCA01	24	33	42	39	24	42	27	30	16	35	31	38	21	-
R2235	Industrial	NCA04	46	55	48	45	31	48	42	44	33	60	53	59	43	-
R2236	Residential	NCA02	43	**68**	**80**	**77**	**63**	**78**	**52**	**54**	42	**53**	**69**	**76**	40	PN, V, SN, RO, RP, DR
R2237	Residential	NCA02	39	**73**	**88**	**89**	**74**	**86**	**49**	**51**	38	**51**	**75**	**82**	36	PN, V, SN, RO, RP, DR
R2238	Residential	NCA02	**46**	**66**	**76**	**72**	**56**	**76**	**59**	**61**	**50**	**57**	**66**	**73**	43	PN, V, SN, RO, RP, DR
R2239	Residential	NCA02	39	**73**	**89**	**91**	**75**	**86**	**50**	**52**	36	**51**	**75**	**82**	36	PN, V, SN, RO, RP, DR
R2240	Residential	NCA01	27	37	**45**	41	27	**45**	32	33	19	38	34	41	24	-
R2241	Residential	NCA02	**51**	**65**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**60**	**64**	**71**	**48**	PN, V, SN, RO, RP, DR
R2242	Residential	NCA01	24	33	43	39	24	43	28	31	16	35	30	37	21	-
R2243	Residential	NCA02	**52**	**64**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**64**	**64**	**71**	**49**	PN, V, SN, RO, RP, DR
R2245	Residential	NCA01	28	43	**48**	**45**	31	**49**	34	36	24	40	39	**46**	25	PN
R2246	Residential	NCA02	41	**68**	**79**	**77**	**63**	**78**	**50**	**52**	39	**53**	**68**	**75**	38	PN, V, SN, RO, RP, DR
R2247	Residential	NCA02	40	**74**	**89**	**90**	**75**	**86**	**49**	**51**	37	**51**	**75**	**82**	37	PN, V, SN, RO, RP, DR
R2248	Residential	NCA01	23	33	40	37	22	40	28	30	15	35	30	36	20	-
R2249	Residential	NCA02	**50**	**66**	**75**	**72**	**58**	**75**	**61**	**63**	**52**	**60**	**65**	**72**	**47**	PN, V, SN, RO, RP, DR
R2250	Place of worship	NCA01	29	44	50	46	32	50	35	37	24	41	40	47	26	-
R2251	Active recreation	NCA04	44	44	41	38	24	41	35	37	26	46	42	43	41	-
R2252	Residential	NCA01	22	31	42	38	24	42	26	28	14	35	28	35	19	-
R2253	Residential	NCA02	**44**	**64**	**74**	**72**	**55**	**72**	**51**	**52**	40	**55**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R2254	Residential	NCA02	38	**73**	**90**	**94**	**78**	**87**	**47**	**49**	35	**50**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2255	Residential	NCA02	37	**73**	**88**	**89**	**74**	**85**	**49**	**51**	34	**49**	**74**	**81**	34	PN, V, SN, RO, RP, DR
R2256	Residential	NCA02	**50**	**64**	**73**	**70**	**56**	**72**	**63**	**65**	**54**	**61**	**63**	**71**	**47**	PN, V, SN, RO, RP, DR
R2257	Residential	NCA01	27	38	**46**	42	28	**46**	32	35	19	39	35	42	24	-
R2258	Residential	NCA02	42	**68**	**77**	**74**	**58**	**77**	**49**	**51**	39	**54**	**67**	**74**	39	PN, V, SN, RO, RP, DR
R2259	Residential	NCA04	**46**	**45**	42	39	25	42	35	37	27	**47**	41	**49**	**43**	PN
R2260	Residential	NCA01	26	34	42	38	24	42	31	33	17	36	31	38	23	-
R2261	Residential	NCA02	43	**65**	**74**	**70**	**54**	**73**	**59**	**61**	**49**	**55**	**63**	**70**	40	PN, V, SN, RO, RP, DR
R2262	Residential	NCA02	38	**73**	**90**	**93**	**77**	**87**	**47**	**49**	35	**49**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2263	Industrial	NCA04	44	54	49	47	31	49	44	46	33	61	51	58	41	-
R2264	Residential	NCA02	**45**	**69**	**78**	**75**	**62**	**78**	**52**	**54**	42	**58**	**68**	**75**	42	PN, V, SN, RO, RP, DR
R2265	Residential	NCA01	27	42	**48**	**44**	30	**48**	33	35	23	39	38	**45**	24	-
R2266	Residential	NCA01	25	36	**44**	41	26	**44**	31	33	18	37	35	41	22	-
R2267	Residential	NCA02	**44**	**67**	**74**	**71**	**57**	**75**	**52**	**54**	**44**	**56**	**67**	**74**	41	PN, V, SN, RO, RP, DR
R2268	Residential	NCA04	**46**	**49**	**45**	41	27	**44**	38	40	29	**50**	**47**	**53**	**43**	PN
R2269	Active recreation	NCA01	28	46	50	49	34	52	34	36	21	41	44	51	25	-
R2270	Commercial	NCA01	31	49	53	49	34	53	36	39	25	42	43	50	28	-
R2271	Residential	NCA02	35	**73**	**89**	**90**	**75**	**86**	43	**45**	34	**47**	**75**	**82**	32	PN, V, SN, RO, RP, DR
R2272	Residential	NCA02	**44**	**63**	**72**	**68**	**52**	**72**	**60**	**62**	**47**	**57**	**62**	**69**	41	PN, V, SN, RO, RP, DR
R2273	Residential	NCA01	25	36	**45**	41	27	**45**	31	33	18	37	36	42	22	-
R2274	Residential	NCA02	43	**64**	**72**	**69**	**53**	**72**	**58**	**60**	**48**	**55**	**63**	**70**	40	PN, V, SN, RO, RP, DR
R2276	Residential	NCA01	24	32	38	35	22	38	28	30	14	35	28	36	21	-
R2277	Residential	NCA02	38	**74**	**89**	**91**	**75**	**86**	**47**	**49**	37	**50**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2278	Residential	NCA01	26	35	**45**	41	26	**45**	31	33	18	36	35	42	23	-
R2279	Residential	NCA02	**44**	**65**	**74**	**70**	**57**	**73**	**55**	**57**	**45**	**55**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R2280	Residential	NCA02	**44**	**63**	**71**	**68**	**55**	**70**	**56**	**58**	**45**	**56**	**61**	**68**	41	PN, V, SN, RO, RP, DR
R2281	Residential	NCA02	39	**66**	**77**	**76**	**61**	**76**	40	43	31	**50**	**66**	**73**	36	PN, V, SN, RO, RP, DR
R2282	Residential	NCA01	23	32	39	35	22	39	28	30	16	35	29	36	20	-
R2283	Residential	NCA02	**45**	**65**	**73**	**70**	**56**	**73**	**57**	**59**	**47**	**57**	**64**	**69**	42	PN, V, SN, RO, RP, DR
R2284	Residential	NCA02	36	**69**	**81**	**79**	**66**	**79**	41	43	31	**46**	**69**	**76**	33	PN, V, SN, RO, RP, DR
R2285	Residential	NCA02	**45**	**66**	**74**	**71**	**55**	**74**	**55**	**56**	**46**	**57**	**64**	**70**	42	PN, V, SN, RO, RP, DR
R2286	Industrial	NCA04	50	55	50	47	32	50	45	47	35	62	53	59	47	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2287	Residential	NCA04	43	48	44	41	26	43	37	39	28	49	46	50	40	PN
R2288	Residential	NCA02	36	70	82	81	65	80	44	46	35	47	70	77	33	PN, V, SN, RO, RP, DR
R2289	Residential	NCA02	40	73	88	90	74	86	48	50	38	52	75	82	37	PN, V, SN, RO, RP, DR
R2290	Industrial	NCA04	44	51	48	45	31	48	42	44	33	54	49	55	41	-
R2291	Residential	NCA02	45	65	74	70	55	74	55	57	46	58	65	72	42	PN, V, SN, RO, RP, DR
R2292	Residential	NCA01	27	41	46	43	29	46	33	35	23	39	38	44	24	-
R2293	Commercial	NCA04	40	49	44	41	27	44	38	40	28	52	47	54	37	-
R2294	Residential	NCA02	36	74	88	91	74	86	46	48	34	48	75	82	33	PN, V, SN, RO, RP, DR
R2295	Residential	NCA02	37	68	79	77	60	78	44	46	36	48	68	75	34	PN, V, SN, RO, RP, DR
R2296	Residential	NCA02	40	63	71	68	53	71	49	51	38	52	63	70	37	PN, V, SN, RO, RP, DR
R2297	Residential	NCA02	41	67	76	73	60	75	50	52	41	53	65	72	38	PN, V, SN, RO, RP, DR
R2298	Residential	NCA01	27	42	47	43	30	48	33	35	23	40	38	45	24	-
R2299	Residential	NCA02	53	60	69	66	52	69	62	64	53	65	60	67	50	PN, V, SN, RO, RP, DR
R2300	Residential	NCA02	41	65	75	73	59	74	50	52	39	53	64	71	38	PN, V, SN, RO, RP, DR
R2301	Industrial	NCA04	48	51	48	46	31	48	42	44	33	59	50	57	45	-
R2302	Residential	NCA04	40	48	44	40	26	43	36	38	28	50	45	50	37	PN
R2303	Residential	NCA01	25	39	45	41	27	45	30	32	20	36	36	43	22	-
R2304	Residential	NCA02	37	68	77	74	59	77	48	50	33	49	67	74	34	PN, V, SN, RO, RP, DR
R2305	Residential	NCA02	37	68	79	77	63	78	44	46	36	48	68	75	34	PN, V, SN, RO, RP, DR
R2306	Residential	NCA02	37	68	78	76	62	77	45	47	36	49	68	75	34	PN, V, SN, RO, RP, DR
R2307	Residential	NCA02	38	70	80	78	65	79	47	49	37	50	70	77	35	PN, V, SN, RO, RP, DR
R2308	Residential	NCA02	52	60	70	67	54	71	63	65	55	62	62	69	49	PN, V, SN, RO, RP, DR
R2309	Commercial	NCA01	33	50	56	52	38	57	39	42	29	45	47	53	30	-
R2310	Residential	NCA01	25	39	46	42	29	47	31	33	21	37	37	44	22	-
R2311	Residential	NCA02	33	72	85	85	70	83	38	40	29	43	73	80	30	PN, V, SN, RO, RP, DR
R2312	Residential	NCA02	53	59	64	64	47	63	60	61	49	64	58	65	50	PN, V, SN, RO
R2313	Residential	NCA02	36	65	76	73	60	75	42	44	32	47	65	72	33	PN, V, SN, RO, RP, DR
R2315	Active recreation	NCA01	29	43	46	44	29	46	34	36	20	40	38	45	26	-
R2316	Residential	NCA02	52	61	70	67	54	70	61	64	54	61	60	67	49	PN, V, SN, RO, RP, DR
R2317	Residential	NCA02	53	62	70	68	53	70	61	64	53	61	60	67	50	PN, V, SN, RO, RP, DR
R2318	Commercial	NCA02	33	71	69	67	51	84	41	43	30	46	61	68	30	-
R2319	Residential	NCA02	35	72	82	79	65	85	44	46	33	48	70	77	32	PN, V, SN, RO, RP, DR
R2320	Residential	NCA01	25	39	46	42	28	46	30	32	21	37	35	42	22	-
R2321	Residential	NCA02	50	59	66	63	49	67	59	61	51	57	59	65	47	PN, V, SN, RO
R2322	Residential	NCA02	48	61	68	65	49	68	57	59	49	54	60	67	45	PN, V, SN, RO
R2323	Residential	NCA01	26	40	46	42	28	46	30	32	16	36	37	43	23	-
R2324	Active recreation	NCA04	40	54	46	44	29	46	40	42	31	56	54	61	37	-
R2325	Residential	NCA02	34	65	74	71	57	73	43	45	31	46	63	71	31	PN, V, SN, RO, RP, DR
R2326	Industrial	NCA04	45	53	50	47	32	49	43	45	34	58	51	57	42	-
R2327	Residential	NCA02	38	66	75	72	59	75	47	49	36	50	65	72	35	PN, V, SN, RO, RP, DR
R2328	Residential	NCA02	48	62	70	66	51	69	60	61	50	58	60	67	45	PN, V, SN, RO, RP, DR
R2329	Commercial	NCA02	36	68	70	66	50	77	43	45	33	48	60	67	33	-
R2330	Residential	NCA02	36	66	75	72	58	74	45	47	33	48	65	72	33	PN, V, SN, RO, RP, DR
R2331	Residential	NCA02	48	62	70	66	50	69	58	60	49	60	60	66	45	PN, V, SN, RO, RP, DR
R2332	Residential	NCA02	38	67	76	72	60	75	46	48	37	49	66	73	35	PN, V, SN, RO, RP, DR
R2333	Residential	NCA02	36	65	73	70	56	72	42	44	30	47	63	70	33	PN, V, SN, RO, RP, DR
R2334	Commercial	NCA04	40	49	44	41	27	44	37	39	29	52	46	53	37	-
R2335	Residential	NCA02	48	62	70	66	49	69	57	59	47	59	60	66	45	PN, V, SN, RO, RP, DR
R2336	Residential	NCA02	48	60	68	64	50	68	60	62	51	58	59	66	45	PN, V, SN, RO
R2337	Residential	NCA02	39	69	78	76	61	77	45	47	36	49	68	75	36	PN, V, SN, RO, RP, DR
R2338	Residential	NCA02	37	66	75	73	57	75	44	46	36	48	65	72	34	PN, V, SN, RO, RP, DR
R2339	Residential	NCA02	39	66	76	72	59	75	48	50	38	51	66	73	36	PN, V, SN, RO, RP, DR
R2340	Commercial	NCA02	33	60	60	59	43	69	39	40	29	43	51	58	30	-
R2341	Residential	NCA02	45	61	66	63	50	66	55	57	41	56	59	65	42	PN, V, SN, RO
R2342	Residential	NCA02	33	66	77	75	60	76	37	40	27	38	65	72	30	PN, V, SN, RO, RP, DR
R2343	Residential	NCA02	46	59	67	64	50	67	56	58	44	57	58	64	43	PN, V, SN, RO
R2344	Active recreation	NCA01	30	46	52	49	35	54	37	39	28	42	43	50	27	-
R2345	Residential	NCA01	25	38	43	38	25	43	30	32	17	36	33	40	22	-
R2346	Residential	NCA01	26	36	41	37	24	41	31	33	18	38	33	40	23	-
R2347	Commercial	NCA02	34	67	67	64	50	75	41	43	32	47	58	65	31	-
R2348	Residential	NCA02	37	66	75	71	59	74	46	48	36	49	64	71	34	PN, V, SN, RO, RP, DR
R2349	Residential	NCA02	44	60	67	63	50	67	52	54	40	55	58	64	41	PN, V, SN, RO
R2350	Residential	NCA02	39	66	75	72	58	74	47	49	38	51	65	72	36	PN, V, SN, RO, RP, DR
R2351	Residential	NCA04	46	47	43	40	26	43	36	38	28	49	44	48	43	PN
R2352	Commercial	NCA02	32	57	62	58	41	65	39	41	29	44	49	56	29	-
R2353	Residential	NCA02	38	66	74	71	58	73	45	47	36	50	64	71	35	PN, V, SN, RO, RP, DR
R2354	Residential	NCA02	42	62	69	65	49	69	51	53	39	52	60	67	39	PN, V, SN, RO, RP, DR
R2355	Residential	NCA01	25	39	43	39	25	43	31	33	18	37	33	41	22	-
R2356	Residential	NCA02	44	60	67	63	49	67	53	55	42	55	58	65	41	PN, V, SN, RO
R2357	Residential	NCA01	24	38	41	38	24	42	30	32	16	36	32	39	21	-
R2358	Residential	NCA02	44	59	65	62	47	65	56	59	47	56	58	65	41	PN, V, SN, RO
R2359	Residential	NCA02	47	56	62	58	44	62	55	57	45	57	54	61	44	PN, V, SN, RO
R2360	Residential	NCA02	48	57	64	61	47	64	57	59	47	58	56	62	45	PN, V, SN, RO
R2361	Residential	NCA02	42	61	69	66	53	69	50	53	39	53	60	67	39	PN, V, SN, RO, RP, DR
R2362	Residential	NCA02	42	59	65	62	46	65	51	53	39	54	57	64	39	PN, V, SN, RO
R2363	Residential	NCA02	30	65	73	70	56	73	39	41	28	42	64	71	27	PN, V, SN, RO, RP, DR
R2364	Residential	NCA02	39	60	66	62	49	66	49	52	39	49	56	61	36	PN, V, SN, RO
R2365	Residential	NCA01	24	39	45	41	28	46	30	32	21	36	35	42	21	-
R2366	Industrial	NCA04	48	54	49	46	32	49	43	45	33	59	52	59	45	-
R2367	Commercial	NCA02	34	60	60	57	42	69	40	42	31	46	51	58	31	-
R2368	Place of worship	NCA02	32	55	55	54	35	62	38	40	29	44	46	53	29	-
R2369	Residential	NCA01	24	38	43	40	26	43	30	32	19	36	35	41	21	-
R2370	Commercial	NCA02	29	52	49	47	31	53	35	37	24	41	40	47	26	-
R2371	Residential	NCA02	46	60	66	62	47	66	54	56	45	57	58	65	43	PN, V, SN, RO
R2372	Residential	NCA02	35	62	68	65	49	69	42	44	33	45	59	66	32	PN, V, SN, RO, RP, DR
R2373	Residential	NCA01	25	38	44	41	27	44	30	32	20	36	35	43	22	-
R2374	Residential	NCA04	41	37	41	38	25	41	34	36	26	42	35	40	38	-
R2375	Residential	NCA02	36	62	70	68	52	70	44	46	35	48	60	67	33	PN, V, SN, RO, RP, DR
R2376	Commercial	NCA04	37	49	44	41	27	44	37	39	29	52	45	49	34	-
R2377	Residential	NCA01	26	39	46	41	27	46	31	33	20	37	36	43	23	-
R2378	Residential	NCA02	37	67	77	74	60	76	43	46	34	48	66	73	34	PN, V, SN, RO, RP, DR
R2379	Residential	NCA01	26	38	42	39	25	43	32	34	19	39	34	40	23	-
R2380	Residential	NCA02	44	59	64	61	46	64	54	56	44	55	57	64	41	PN, V, SN, RO
R2381	Residential	NCA02	43	60	67	65	50	67	51	54	42	54	58	65	40	PN, V, SN, RO
R2382	Residential	NCA02	38	67	75	72	57	74	45	47	36	50	65	72	35	PN, V, SN, RO, RP, DR

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2383	Residential	NCA02	41	**61**	**70**	**65**	**53**	**70**	**49**	**51**	38	**53**	**60**	**66**	38	PN, V, SN, RO, RP, DR
R2384	Residential	NCA02	39	**59**	**65**	**62**	**48**	**65**	**48**	**50**	40	**50**	**56**	**64**	36	PN, V, SN, RO
R2385	Residential	NCA02	40	**61**	**69**	**65**	**52**	**69**	**47**	**49**	37	**52**	**60**	**67**	37	PN, V, SN, RO, RP, DR
R2386	Residential	NCA02	28	**47**	**46**	42	29	**51**	31	33	22	37	37	**44**	25	PN
R2387	Residential	NCA02	40	**60**	**67**	**65**	**49**	**67**	**48**	**49**	37	**52**	**59**	**66**	37	PN, V, SN, RO
R2388	Residential	NCA02	30	**50**	**49**	**45**	32	**56**	32	34	24	40	37	**44**	27	PN
R2389	Residential	NCA02	**51**	**57**	**63**	**60**	**46**	**63**	**56**	**58**	**47**	**62**	**55**	**61**	**48**	PN, V, SN, RO
R2390	Residential	NCA02	38	**57**	**64**	**59**	**45**	**63**	**45**	**47**	34	**50**	**55**	**61**	35	PN, V, SN, RO
R2391	Residential	NCA02	32	**51**	**53**	**51**	35	**55**	38	40	28	43	**44**	**51**	29	PN
R2392	Residential	NCA02	**49**	**58**	**65**	**61**	**47**	**65**	**57**	**59**	**47**	**60**	**56**	**63**	**46**	PN, V, SN, RO
R2393	Residential	NCA02	**44**	**60**	**68**	**64**	**48**	**68**	**53**	**55**	42	**56**	**58**	**65**	41	PN, V, SN, RO
R2394	Residential	NCA02	36	**65**	**75**	**72**	**58**	**73**	**44**	**46**	34	**48**	**64**	**71**	33	PN, V, SN, RO, RP, DR
R2395	Residential	NCA02	37	**62**	**69**	**65**	**50**	**69**	**45**	**46**	33	**48**	**60**	**67**	34	PN, V, SN, RO, RP, DR
R2396	Active recreation	NCA04	40	49	45	43	28	45	39	41	30	52	47	52	37	-
R2397	Commercial	NCA02	28	42	46	43	29	49	35	37	24	40	37	44	25	-
R2398	Residential	NCA02	**50**	**57**	**64**	**60**	**45**	**63**	**55**	**57**	**46**	**61**	**55**	**61**	**47**	PN, V, SN, RO
R2399	Residential	NCA02	41	**57**	**63**	**59**	**44**	**63**	**48**	**51**	37	**53**	**54**	**59**	38	PN, V, SN, RO
R2400	Industrial	NCA04	47	51	49	46	32	49	43	45	34	58	49	56	44	-
R2401	Residential	NCA02	31	**50**	**49**	**48**	31	**52**	36	38	27	42	40	**47**	28	PN
R2402	Residential	NCA02	37	**64**	**71**	**69**	**54**	**72**	**44**	**46**	35	**49**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2403	Residential	NCA01	27	41	**47**	43	29	**48**	33	35	23	39	37	**44**	24	-
R2404	Residential	NCA02	39	**62**	**70**	**66**	**49**	**69**	**46**	**48**	36	**51**	**60**	**66**	36	PN, V, SN, RO, RP, DR
R2405	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	**47**	**48**	36	**51**	**58**	**65**	36	PN, V, SN, RO
R2406	Residential	NCA02	43	**57**	**64**	**61**	**47**	**64**	**48**	**50**	39	**55**	**55**	**62**	40	PN, V, SN, RO
R2407	Residential	NCA02	**46**	**57**	**63**	**60**	**46**	**63**	**54**	**56**	**44**	**56**	**55**	**62**	43	PN, V, SN, RO
R2408	Residential	NCA02	31	**51**	**55**	**51**	37	**56**	37	40	28	43	**46**	**53**	28	PN
R2409	Residential	NCA02	38	**61**	**67**	**64**	**49**	**67**	**44**	**46**	34	**49**	**59**	**66**	35	PN, V, SN, RO
R2410	Residential	NCA01	26	40	**44**	41	27	**44**	32	34	22	38	35	42	23	-
R2411	Residential	NCA02	40	**63**	**70**	**67**	**52**	**70**	**46**	**48**	37	**51**	**61**	**68**	37	PN, V, SN, RO, RP, DR
R2412	Residential	NCA02	42	**58**	**66**	**61**	**46**	**66**	**51**	**52**	38	**53**	**56**	**62**	39	PN, V, SN, RO
R2413	Residential	NCA02	41	**57**	**63**	**59**	**45**	**63**	**49**	**51**	38	**51**	**54**	**61**	38	PN, V, SN, RO
R2414	Residential	NCA02	36	**62**	**69**	**67**	**52**	**69**	**44**	**46**	33	**48**	**59**	**66**	33	PN, V, SN, RO, RP, DR
R2415	Industrial	NCA04	49	53	49	47	32	49	44	46	35	59	49	57	46	-
R2416	Residential	NCA02	39	**63**	**70**	**67**	**52**	**69**	**46**	**48**	36	**50**	**60**	**67**	36	PN, V, SN, RO, RP, DR
R2417	Residential	NCA02	37	**64**	**72**	**69**	**54**	**71**	43	**45**	33	**48**	**62**	**69**	34	PN, V, SN, RO, RP, DR
R2418	Residential	NCA02	42	**59**	**66**	**63**	**50**	**66**	**51**	**53**	41	**54**	**57**	**64**	39	PN, V, SN, RO
R2419	Residential	NCA02	27	**44**	**44**	41	26	**45**	30	32	21	38	35	42	24	-
R2420	Residential	NCA01	27	38	**44**	42	26	**45**	33	35	21	39	35	42	24	-
R2421	Residential	NCA02	37	**62**	**68**	**64**	**50**	**69**	**44**	**47**	34	**48**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2422	Residential	NCA02	34	**63**	**70**	**66**	**50**	**71**	40	42	29	**45**	**58**	**65**	31	PN, V, SN, RO, RP, DR
R2423	Active recreation	NCA04	54	55	54	54	37	54	51	54	42	62	53	60	51	-
R2424	Residential	NCA01	28	41	**46**	**44**	30	**48**	34	36	23	40	38	**45**	25	-
R2425	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	**47**	**49**	37	**50**	**59**	**65**	36	PN, V, SN, RO
R2426	Residential	NCA02	41	**55**	**61**	**57**	**44**	**61**	**47**	**48**	35	**51**	**52**	**59**	38	PN, V, SN, RO
R2427	Residential	NCA02	38	**56**	**61**	**58**	**44**	**61**	**46**	**48**	37	**48**	**53**	**60**	35	PN, V, SN, RO
R2428	Residential	NCA02	41	**59**	**67**	**63**	**49**	**66**	**46**	**48**	36	**53**	**58**	**65**	38	PN, V, SN, RO
R2429	Residential	NCA02	**45**	**56**	**62**	**59**	**44**	**64**	**54**	**56**	**44**	**57**	**54**	**60**	42	PN, V, SN, RO
R2430	Residential	NCA02	37	**61**	**69**	**66**	**50**	**69**	**45**	**47**	35	**49**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2431	Commercial	NCA02	33	54	53	52	35	60	40	42	31	45	45	52	30	-
R2432	Residential	NCA02	36	**61**	**68**	**65**	**52**	**68**	**44**	**46**	33	**48**	**59**	**66**	33	PN, V, SN, RO
R2433	Residential	NCA04	42	41	42	39	25	42	35	37	26	**45**	38	**43**	39	-
R2434	Residential	NCA04	38	**45**	**43**	40	25	42	36	38	27	**51**	**43**	**48**	35	PN
R2435	Residential	NCA04	42	**45**	**43**	40	26	**43**	36	38	28	**49**	**43**	**47**	39	PN
R2436	Residential	NCA02	33	**49**	**55**	**51**	38	**61**	39	41	28	**44**	**46**	**53**	30	PN, V, SN, RO
R2437	Residential	NCA02	36	**63**	**71**	**68**	**53**	**70**	43	**45**	32	**47**	**61**	**68**	33	PN, V, SN, RO, RP, DR
R2438	Residential	NCA02	27	43	**47**	**45**	28	**49**	31	32	22	38	40	**47**	24	PN
R2439	Residential	NCA02	30	**44**	**47**	**44**	30	**49**	34	36	24	39	39	**46**	27	PN
R2440	Residential	NCA02	37	**62**	**67**	**66**	**52**	**71**	**44**	**46**	34	**48**	**57**	**64**	34	PN, V, SN, RO, RP, DR
R2441	Residential	NCA01	24	32	38	37	21	39	29	31	16	36	30	37	21	-
R2442	Residential	NCA02	36	**57**	**63**	**59**	**45**	**63**	41	43	31	**48**	**54**	**61**	33	PN, V, SN, RO
R2443	Residential	NCA02	37	**56**	**63**	**59**	**45**	**62**	**44**	**46**	32	**49**	**53**	**60**	34	PN, V, SN, RO
R2444	Residential	NCA02	42	**59**	**66**	**62**	**49**	**66**	**51**	**53**	40	**53**	**57**	**64**	39	PN, V, SN, RO
R2445	Residential	NCA01	28	42	**49**	**45**	31	**49**	34	36	25	40	39	**46**	25	PN
R2446	Residential	NCA01	28	41	**46**	**44**	30	**46**	34	36	20	40	38	**45**	25	-
R2447	Residential	NCA02	38	**56**	**63**	**59**	**46**	**63**	**49**	**51**	37	**47**	**53**	**60**	35	PN, V, SN, RO
R2448	Residential	NCA02	40	**57**	**65**	**61**	**48**	**64**	**49**	**51**	38	**52**	**55**	**62**	37	PN, V, SN, RO
R2449	Residential	NCA02	40	**55**	**61**	**57**	43	**61**	**50**	**52**	39	**50**	**52**	**59**	37	PN, V, SN, RO
R2450	Residential	NCA02	39	**57**	**62**	**59**	43	**62**	**48**	**50**	35	**50**	**55**	**61**	36	PN, V, SN, RO
R2451	Residential	NCA02	35	**62**	**60**	**57**	42	**70**	42	**44**	33	**46**	**51**	**58**	32	PN, V, SN, RO, RP, DR
R2452	Residential	NCA02	41	**54**	**61**	**57**	41	**61**	**48**	**50**	38	**53**	**52**	**59**	38	PN, V, SN, RO
R2453	Residential	NCA02	38	**57**	**63**	**60**	**45**	**63**	**44**	**46**	34	**49**	**55**	**62**	35	PN, V, SN, RO
R2454	Residential	NCA02	**49**	**55**	**61**	**58**	42	**61**	**50**	**53**	41	**58**	**52**	**60**	**46**	PN, V, SN, RO
R2455	Residential	NCA02	31	**59**	**66**	**62**	**45**	**66**	37	38	27	42	**56**	**63**	28	PN, V, SN, RO
R2456	Residential	NCA04	37	37	40	38	23	40	34	35	24	41	34	40	34	-
R2457	Residential	NCA02	**44**	**58**	**63**	**61**	**45**	**64**	**53**	**54**	43	**54**	**55**	**62**	41	PN, V, SN, RO
R2458	Residential	NCA02	32	**57**	**64**	**61**	**44**	**63**	35	37	25	43	**54**	**61**	29	PN, V, SN, RO
R2459	Active recreation	NCA04	40	49	45	42	28	45	39	41	30	54	46	51	37	-
R2460	Residential	NCA02	36	**58**	**64**	**60**	**47**	**64**	41	43	31	**48**	**55**	**63**	33	PN, V, SN, RO
R2461	Residential	NCA02	37	**63**	**71**	**68**	**54**	**71**	**44**	**46**	34	**49**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2462	Residential	NCA01	27	41	**47**	43	29	**49**	33	35	24	39	38	**45**	24	PN
R2463	Residential	NCA02	37	**61**	**70**	**66**	**50**	**69**	**46**	**48**	35	**49**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2464	Residential	NCA02	41	**56**	**65**	**61**	**48**	**63**	**51**	**53**	40	**53**	**54**	**61**	38	PN, V, SN, RO
R2465	Residential	NCA02	**44**	**58**	**65**	**62**	**48**	**65**	**52**	**55**	43	**55**	**56**	**61**	41	PN, V, SN, RO
R2466	Commercial	NCA02	34	57	54	56	37	65	40	42	29	46	51	58	31	-
R2467	Residential	NCA04	40	41	42	39	25	42	35	37	26	**46**	38	**44**	37	-
R2468	Residential	NCA02	**44**	**55**	**60**	**58**	41	**60**	**52**	**54**	42	**54**	**53**	**58**	41	PN, V, SN, RO
R2469	Residential	NCA01	28	40	**47**	**44**	29	**46**	33	35	22	39	36	43	25	-
R2470	Residential	NCA02	**44**	**56**	**62**	**58**	**45**	**62**	**49**	**51**	38	**55**	**53**	**60**	41	PN, V, SN, RO
R2471	Residential	NCA02	36	**62**	**68**	**65**	**50**	**70**	**44**	**47**	34	**48**	**56**	**63**	33	PN, V, SN, RO, RP, DR
R2472	Residential	NCA02	30	**46**	**50**	**46**	31	**53**	36	38	25	41	41	**48**	27	PN
R2473	Residential	NCA02	**49**	**55**	**55**	**55**	38	**56**	**53**	**55**	**45**	**60**	**52**	**59**	**46**	PN, V, SN, RO
R2474	Residential	NCA01	28	42	**49**	**45**	30	**47**	34	36	24	40	37	**44**	25	-
R2475	Residential	NCA02	36	**58**	**64**	**61**	**45**	**64**	38	39	28	**46**	**55**	**62**	33	PN, V, SN, RO
R2476	Residential	NCA02	41	**56**	**64**	**61**	**47**	**63**	**49**	**51**	37	**52**	**54**	**61**	38	PN, V, SN, RO
R2477	Residential	NCA02	37	**60**	**66**	**62**	**48**	**65**	**44**	**46**	34	**49**	**57**	**64**	34	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2478	Residential	NCA02	35	59	54	53	37	63	41	43	31	46	48	55	32	PN, V, SN, RO
R2479	Residential	NCA02	38	55	62	58	43	60	48	50	34	48	53	59	35	PN, V, SN, RO
R2480	Residential	NCA02	27	37	41	38	24	43	27	29	19	34	32	39	24	-
R2481	Residential	NCA01	27	41	46	43	28	46	33	35	22	39	36	43	24	-
R2482	Residential	NCA02	36	61	69	66	50	69	44	46	34	48	59	66	33	PN, V, SN, RO, RP, DR
R2483	Residential	NCA01	26	40	47	43	28	46	32	34	22	38	35	43	23	-
R2484	Residential	NCA02	38	59	66	63	47	66	45	46	34	50	57	63	35	PN, V, SN, RO
R2485	Residential	NCA02	37	61	69	66	51	68	44	46	34	48	59	66	34	PN, V, SN, RO, RP, DR
R2486	Residential	NCA02	49	54	59	56	40	59	49	53	43	61	52	59	46	PN, V, SN, RO
R2487	Residential	NCA01	28	44	48	46	31	50	34	36	26	40	40	47	25	PN
R2488	Residential	NCA02	36	57	57	53	38	62	42	43	33	47	48	55	33	PN, V, SN, RO
R2489	Residential	NCA02	27	38	40	37	23	44	25	27	18	33	31	38	24	-
R2490	Residential	NCA02	37	56	63	59	45	63	46	48	34	49	54	61	34	PN, V, SN, RO
R2491	Residential	NCA02	36	60	68	64	49	67	44	46	35	48	58	63	33	PN, V, SN, RO
R2492	Residential	NCA02	34	59	53	49	35	66	41	43	31	46	44	51	31	PN, V, SN, RO
R2493	Residential	NCA01	19	28	33	32	17	34	22	24	12	30	24	31	16	-
R2494	Residential	NCA02	41	56	62	58	42	62	50	52	41	53	53	60	38	PN, V, SN, RO
R2495	Residential	NCA02	42	56	63	60	46	63	50	52	39	54	54	61	39	PN, V, SN, RO
R2496	Residential	NCA02	37	55	62	58	41	62	50	51	39	48	53	60	34	PN, V, SN, RO
R2497	Residential	NCA02	31	46	50	47	32	51	37	40	28	43	41	48	28	PN
R2498	Residential	NCA02	30	43	46	43	28	48	35	37	26	42	37	45	27	-
R2499	Residential	NCA02	32	49	51	50	33	55	39	41	29	44	43	50	29	PN
R2500	Residential	NCA02	40	56	63	60	46	63	49	50	37	52	54	61	37	PN, V, SN, RO
R2501	Residential	NCA02	29	38	43	40	26	45	35	37	26	41	35	41	26	-
R2502	Residential	NCA01	24	37	42	39	23	44	28	31	18	35	33	39	21	-
R2503	Residential	NCA02	33	54	57	53	39	60	40	42	29	45	48	55	30	PN, V, SN, RO
R2504	Residential	NCA04	35	41	42	39	25	42	35	37	27	47	38	44	32	-
R2505	Residential	NCA02	40	54	59	56	40	59	49	51	37	50	51	57	37	PN, V, SN, RO
R2506	Residential	NCA02	37	59	66	63	48	66	45	47	35	47	56	63	34	PN, V, SN, RO
R2507	Residential	NCA02	36	59	66	63	46	66	42	44	32	48	57	64	33	PN, V, SN, RO
R2508	Residential	NCA02	41	56	63	59	46	63	50	51	39	52	53	60	38	PN, V, SN, RO
R2509	Residential	NCA02	46	53	59	56	39	59	50	52	41	58	50	56	43	PN, V, SN, RO
R2510	Active recreation	NCA04	38	47	43	41	26	43	37	39	28	52	45	50	35	-
R2511	Residential	NCA02	28	46	49	46	32	51	35	38	27	41	41	48	25	PN
R2512	Residential	NCA02	49	54	58	55	39	58	52	55	44	60	52	59	46	PN, V, SN, RO
R2513	Residential	NCA02	36	60	67	63	48	67	42	45	32	48	56	63	33	PN, V, SN, RO
R2514	Residential	NCA02	32	52	56	52	37	57	38	41	29	44	47	54	29	PN
R2515	Residential	NCA02	27	37	42	39	25	43	32	34	24	39	34	41	24	-
R2516	Residential	NCA02	36	55	62	58	45	61	43	45	33	48	52	59	33	PN, V, SN, RO
R2517	Residential	NCA01	27	40	44	43	27	48	33	35	25	39	36	42	24	-
R2518	Residential	NCA01	24	36	41	39	23	44	28	30	19	34	32	39	21	-
R2519	Residential	NCA02	39	57	64	61	47	64	44	46	32	51	55	61	36	PN, V, SN, RO
R2520	Residential	NCA02	27	34	41	37	23	40	32	34	24	39	32	39	24	-
R2521	Residential	NCA02	33	56	62	59	42	62	39	41	29	45	53	61	30	PN, V, SN, RO
R2522	Residential	NCA02	37	60	66	63	47	66	44	46	34	47	57	64	34	PN, V, SN, RO
R2523	Residential	NCA02	38	55	61	58	44	61	45	48	34	50	52	59	35	PN, V, SN, RO
R2524	Residential	NCA02	38	56	62	59	44	62	45	47	34	50	53	60	35	PN, V, SN, RO
R2525	Residential	NCA02	35	52	57	52	37	56	42	44	31	46	47	54	32	PN
R2526	Residential	NCA02	44	53	60	56	40	60	51	53	42	55	51	57	41	PN, V, SN, RO
R2527	Residential	NCA01	27	41	47	43	29	47	33	35	25	39	38	45	24	-
R2528	Residential	NCA02	43	52	59	53	40	59	50	52	39	54	49	56	40	PN
R2529	Residential	NCA02	40	58	63	59	45	63	48	50	38	52	55	61	37	PN, V, SN, RO
R2530	Residential	NCA02	36	56	61	57	42	61	44	46	34	48	52	59	33	PN, V, SN, RO
R2531	Residential	NCA02	31	49	54	51	37	55	37	39	28	42	46	53	28	PN
R2532	Residential	NCA02	28	39	44	41	26	44	32	34	23	39	36	43	25	-
R2533	Residential	NCA02	44	52	55	51	37	55	47	49	38	54	49	53	41	PN
R2534	Residential	NCA02	32	52	51	49	32	57	37	39	27	44	42	50	29	PN
R2535	Residential	NCA02	38	58	63	61	44	64	45	48	36	50	56	63	35	PN, V, SN, RO
R2536	Residential	NCA02	45	54	61	57	43	61	51	53	42	55	51	58	42	PN, V, SN, RO
R2537	Residential	NCA02	33	54	57	54	37	61	39	41	30	45	49	55	30	PN, V, SN, RO
R2538	Residential	NCA02	38	58	65	61	45	65	43	45	34	49	56	61	35	PN, V, SN, RO
R2539	Residential	NCA01	26	38	40	41	24	46	31	33	22	38	32	39	23	-
R2540	Residential	NCA02	48	53	59	55	40	59	51	53	42	59	50	57	45	PN, V, SN, RO
R2541	Residential	NCA02	44	54	59	56	41	59	50	53	39	54	50	57	41	PN, V, SN, RO
R2542	Residential	NCA02	39	58	64	60	46	64	46	48	36	51	55	60	36	PN, V, SN, RO
R2543	Residential	NCA02	49	54	57	55	39	57	52	54	44	60	52	58	46	PN, V, SN, RO
R2544	Residential	NCA02	42	54	59	55	41	59	51	53	41	53	50	57	39	PN, V, SN, RO
R2545	Residential	NCA02	36	57	61	58	43	61	44	46	34	48	53	60	33	PN, V, SN, RO
R2546	Residential	NCA02	29	38	43	40	27	43	35	37	27	41	35	42	26	-
R2547	Active recreation	NCA01	29	43	49	45	31	51	35	37	27	41	39	46	26	-
R2548	Residential	NCA02	34	57	63	59	45	62	38	40	29	46	53	60	31	PN, V, SN, RO
R2549	Active recreation	NCA04	39	47	44	41	26	44	37	39	29	52	44	49	36	-
R2550	Residential	NCA02	37	56	61	57	43	60	45	47	35	49	53	60	34	PN, V, SN, RO
R2551	Residential	NCA02	34	49	48	48	31	55	39	42	30	46	42	49	31	PN
R2552	Residential	NCA02	36	56	62	58	44	61	43	45	33	48	52	59	33	PN, V, SN, RO
R2553	Residential	NCA02	41	53	59	56	40	60	46	48	35	52	51	58	38	PN, V, SN, RO
R2554	Residential	NCA02	29	40	43	40	26	45	33	35	23	40	34	41	26	-
R2555	Residential	NCA02	36	56	62	59	43	62	41	43	32	48	53	60	33	PN, V, SN, RO
R2556	Industrial	NCA04	46	50	53	51	34	53	47	49	38	57	48	55	43	-
R2557	Residential	NCA02	32	55	61	58	43	61	43	45	33	44	52	59	29	PN, V, SN, RO
R2558	Residential	NCA02	30	44	50	47	31	51	36	38	28	42	42	48	27	PN
R2559	Residential	NCA01	27	42	46	42	29	47	33	35	23	39	37	44	24	-
R2560	Residential	NCA02	32	51	51	48	31	57	38	40	28	44	42	49	29	PN
R2561	Residential	NCA02	35	54	61	55	42	60	43	45	32	47	50	56	32	PN, V, SN, RO
R2562	Residential	NCA02	44	52	58	55	38	58	50	52	40	55	49	56	41	PN
R2563	Residential	NCA02	47	53	58	54	40	58	51	53	41	58	49	56	44	PN
R2564	Residential	NCA02	40	53	59	55	41	59	47	49	36	52	50	57	37	PN, V, SN, RO
R2565	Residential	NCA02	39	53	57	55	41	59	47	49	35	50	50	56	36	PN
R2566	Residential	NCA02	36	54	60	57	43	60	42	44	33	48	51	58	33	PN, V, SN, RO
R2567	Residential	NCA02	33	46	51	47	34	51	38	40	27	44	42	49	30	PN
R2568	Residential	NCA02	39	54	61	57	43	60	45	47	35	50	51	58	36	PN, V, SN, RO
R2569	Residential	NCA02	33	52	49	48	30	57	40	42	29	45	41	48	30	PN
R2570	Residential	NCA02	34	44	49	45	30	49	39	41	29	46	41	48	31	PN
R2571	Residential	NCA02	38	56	62	59	44	62	44	46	35	50	53	60	35	PN, V, SN, RO
R2572	Residential	NCA02	36	57	64	61	44	64	44	46	35	48	54	61	33	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2573	Residential	NCA02	36	**50**	**55**	**52**	36	**55**	**45**	**47**	37	**47**	**47**	**53**	33	PN
R2574	Residential	NCA01	24	30	33	33	17	37	24	26	15	31	26	33	21	-
R2575	Residential	NCA02	38	**57**	**63**	**59**	**46**	**62**	**44**	**46**	35	**49**	**53**	**61**	35	PN, V, SN, RO
R2576	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	50	42	48	36	-
R2577	Residential	NCA02	27	38	**44**	40	26	**44**	31	33	20	39	35	42	24	-
R2578	Residential	NCA02	37	**57**	**64**	**60**	**45**	**65**	43	**46**	34	**49**	**53**	**60**	34	PN, V, SN, RO
R2579	Residential	NCA02	35	**50**	**52**	**50**	34	**53**	41	43	30	**47**	**46**	**52**	32	PN
R2580	Residential	NCA02	40	**56**	**62**	**59**	**45**	**62**	**45**	**47**	36	**51**	**53**	**60**	37	PN, V, SN, RO
R2581	Residential	NCA02	30	**50**	**46**	**48**	29	**56**	33	35	24	42	37	**44**	27	PN
R2582	Residential	NCA02	32	**49**	**47**	**45**	29	**54**	38	40	28	**44**	40	**46**	29	PN
R2583	Residential	NCA02	38	**53**	**59**	**56**	42	**59**	**46**	**47**	35	**49**	**51**	**57**	35	PN, V, SN, RO
R2584	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	51	43	50	36	-
R2585	Residential	NCA01	27	40	42	42	24	**45**	31	33	23	39	34	41	24	-
R2586	Residential	NCA02	**49**	**54**	**56**	**55**	37	**55**	**52**	**55**	**44**	**60**	**51**	**58**	**46**	PN, V, SN, RO
R2587	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	**47**	**48**	36	**53**	**48**	**55**	39	PN
R2588	Active recreation	NCA02	29	39	43	40	26	44	33	36	24	40	35	42	26	-
R2589	Residential	NCA02	43	**52**	**58**	**55**	38	**58**	**49**	**51**	39	**55**	**49**	**55**	40	PN
R2590	Residential	NCA02	26	**45**	**52**	**48**	33	**52**	30	32	22	38	43	**50**	23	PN
R2591	Residential	NCA01	27	42	**47**	43	28	**48**	32	35	24	39	38	**44**	24	-
R2592	Residential	NCA02	39	**54**	**61**	**57**	43	**61**	**48**	**50**	38	**51**	**52**	**58**	36	PN, V, SN, RO
R2593	Residential	NCA02	28	41	42	40	25	**45**	33	35	22	37	35	42	25	-
R2594	Residential	NCA02	34	**48**	**52**	**49**	34	**53**	39	41	29	**45**	**45**	**52**	31	PN
R2595	Residential	NCA02	34	**56**	**62**	**59**	**44**	**62**	39	41	29	**46**	**53**	**60**	31	PN, V, SN, RO
R2596	Industrial	NCA04	39	43	42	39	25	42	35	37	27	48	40	44	36	-
R2597	Residential	NCA02	28	38	43	40	26	**44**	32	34	20	40	35	42	25	-
R2598	Residential	NCA02	27	40	43	41	25	**45**	32	34	21	39	35	42	24	-
R2599	Residential	NCA02	**46**	**51**	**55**	**52**	37	**55**	**50**	**52**	41	**57**	**49**	**56**	43	PN
R2600	Residential	NCA02	28	38	42	38	24	43	32	34	20	39	33	40	25	-
R2601	Residential	NCA02	32	**44**	**48**	**45**	30	**49**	39	40	27	**44**	40	**47**	29	-
R2602	Residential	NCA02	30	43	**47**	**44**	29	**48**	36	38	25	41	39	**46**	27	-
R2603	Residential	NCA02	40	**55**	**61**	**57**	41	**61**	**48**	**50**	39	**51**	**52**	**58**	37	PN, V, SN, RO
R2604	Residential	NCA02	30	**45**	**47**	**46**	30	**50**	35	37	25	42	40	**47**	27	PN
R2605	Industrial	NCA04	39	44	42	39	25	42	35	37	26	50	42	48	36	-
R2606	Residential	NCA02	30	43	**46**	43	28	**47**	34	36	23	42	37	**44**	27	-
R2607	Residential	NCA02	40	**56**	**61**	**57**	**44**	**60**	**48**	**50**	39	**52**	**52**	**59**	37	PN, V, SN, RO
R2608	Residential	NCA02	29	42	**46**	43	27	**46**	35	37	27	41	38	**44**	26	-
R2609	Residential	NCA02	40	**56**	**61**	**57**	43	**61**	**47**	**50**	38	**52**	**52**	**58**	37	PN, V, SN, RO
R2610	Residential	NCA01	27	40	**45**	42	28	**47**	32	34	24	39	37	**44**	24	-
R2611	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	**45**	**47**	34	**50**	**49**	**56**	35	PN
R2612	Residential	NCA02	30	**45**	**50**	**47**	31	**50**	35	37	25	42	39	**47**	27	PN
R2613	Residential	NCA02	32	**49**	**47**	**48**	29	**56**	39	41	28	43	38	**45**	29	PN
R2614	Residential	NCA02	42	**52**	**57**	**54**	37	**57**	**50**	**51**	40	**54**	**49**	**56**	39	PN
R2615	Residential	NCA02	39	**54**	**61**	**57**	**44**	**61**	**46**	**49**	37	**50**	**51**	**58**	36	PN, V, SN, RO
R2616	Residential	NCA02	23	**48**	**50**	**46**	33	**57**	29	31	19	35	40	**47**	20	PN
R2617	Residential	NCA02	30	39	**44**	40	26	**44**	35	37	23	42	35	42	27	-
R2618	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	**48**	**49**	38	**55**	**49**	**56**	39	PN
R2619	Residential	NCA02	27	**53**	**49**	**46**	32	**57**	32	34	21	39	40	**47**	24	PN
R2620	Residential	NCA02	32	**53**	**53**	**50**	36	**59**	39	41	29	**44**	**44**	**51**	29	PN, V, SN, RO
R2621	Residential	NCA02	29	42	**44**	40	27	**46**	32	34	21	39	35	42	26	-
R2622	Residential	NCA02	37	**55**	**62**	**58**	**44**	**62**	**47**	**49**	35	**49**	**53**	**60**	34	PN, V, SN, RO
R2623	Industrial	NCA04	39	44	42	39	25	42	35	37	26	49	41	46	36	-
R2624	Residential	NCA02	38	**53**	**59**	**55**	41	**59**	**47**	**49**	36	**50**	**50**	**57**	35	PN, V, SN, RO
R2625	Residential	NCA02	**45**	**53**	**58**	**54**	40	**58**	**50**	**52**	41	**56**	**49**	**56**	42	PN
R2626	Residential	NCA02	27	37	36	32	19	38	24	26	14	34	27	34	24	-
R2627	Residential	NCA02	29	39	41	38	24	**44**	31	33	20	41	32	39	26	-
R2628	Residential	NCA02	40	**54**	**62**	**57**	43	**62**	**46**	**48**	36	**51**	**52**	**59**	37	PN, V, SN, RO
R2629	Residential	NCA02	39	**54**	**60**	**56**	42	**60**	**46**	**49**	36	**49**	**51**	**58**	36	PN, V, SN, RO
R2630	Residential	NCA02	27	38	42	39	25	**44**	31	33	20	38	34	41	24	-
R2631	Residential	NCA02	39	**54**	**60**	**57**	43	**60**	**45**	**47**	34	**50**	**51**	**59**	36	PN, V, SN, RO
R2632	Residential	NCA02	32	**48**	**47**	**47**	30	**55**	37	39	25	**44**	38	**45**	29	PN
R2633	Residential	NCA02	38	**52**	**58**	**55**	38	**58**	**45**	**46**	34	**49**	**50**	**57**	35	PN
R2634	Residential	NCA01	27	41	**46**	42	29	**46**	33	35	24	39	36	43	24	-
R2635	Residential	NCA02	39	**52**	**57**	**53**	38	**57**	**45**	**47**	34	**50**	**49**	**56**	36	PN
R2636	Residential	NCA02	28	38	43	40	26	**44**	32	34	21	40	34	41	25	-
R2637	Residential	NCA02	36	**52**	**59**	**56**	42	**59**	**46**	**48**	33	**47**	**50**	**57**	33	PN, V, SN, RO
R2638	Active recreation	NCA04	38	46	44	41	27	44	37	39	29	51	43	48	35	-
R2639	Commercial	NCA02	33	55	49	47	32	62	40	42	30	45	43	50	30	-
R2640	Residential	NCA02	39	**52**	**60**	**56**	42	**60**	**44**	**46**	33	**49**	**50**	**57**	36	PN, V, SN, RO
R2641	Industrial	NCA04	34	44	41	39	24	41	35	36	26	46	41	46	31	-
R2642	Residential	NCA02	36	**52**	**58**	**54**	40	**58**	43	**46**	32	**48**	**48**	**55**	33	PN
R2643	Residential	NCA02	40	**55**	**60**	**56**	42	**60**	**48**	**50**	38	**51**	**52**	**57**	37	PN, V, SN, RO
R2644	Residential	NCA02	42	**51**	**56**	**52**	37	**56**	**47**	**49**	38	**53**	**48**	**55**	39	PN
R2645	Residential	NCA01	16	27	31	29	14	32	20	22	12	27	22	29	13	-
R2646	Residential	NCA02	37	**52**	**58**	**54**	39	**58**	43	**46**	32	**48**	**49**	**56**	34	PN
R2647	Residential	NCA02	29	43	43	41	26	**47**	31	33	19	39	35	41	26	-
R2648	Residential	NCA02	26	38	40	37	23	**44**	27	29	14	36	31	38	23	-
R2649	Residential	NCA02	34	**57**	**63**	**57**	43	**63**	**44**	**46**	33	**45**	**54**	**58**	31	PN, V, SN, RO
R2650	Residential	NCA02	28	**45**	**46**	42	29	**49**	33	35	22	40	37	**44**	25	PN
R2651	Industrial	NCA02	33	56	47	44	28	62	37	39	27	44	39	46	30	-
R2652	Residential	NCA02	37	**53**	**59**	**55**	39	**59**	**44**	**46**	35	**49**	**50**	**56**	34	PN, V, SN, RO
R2653	Active recreation	NCA04	38	45	43	40	26	43	36	38	28	49	42	47	35	-
R2654	Residential	NCA02	28	**49**	**45**	**48**	28	**55**	35	37	24	40	36	43	25	PN
R2655	Residential	NCA01	28	43	**47**	**44**	30	**48**	33	35	25	39	38	**45**	25	-
R2656	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	**45**	33	**48**	**50**	**56**	33	PN, V, SN, RO
R2657	Residential	NCA02	31	**52**	**51**	**49**	32	**57**	35	37	25	42	42	**49**	28	PN
R2658	Residential	NCA02	31	42	**45**	42	28	**48**	37	39	26	43	37	**44**	28	-
R2659	Active recreation	NCA04	36	47	41	39	25	41	35	37	25	50	43	47	33	-
R2660	Residential	NCA02	33	**44**	**46**	42	29	**49**	36	39	25	**44**	37	**44**	30	PN
R2661	Residential	NCA02	30	**48**	**48**	**48**	30	**56**	35	39	25	42	39	**46**	27	PN
R2662	Residential	NCA02	38	**52**	**59**	**55**	42	**59**	43	**44**	33	**49**	**50**	**57**	35	PN, V, SN, RO
R2663	Residential	NCA02	42	**51**	**58**	**54**	37	**58**	**46**	**48**	38	**53**	**49**	**55**	39	PN
R2664	Residential	NCA02	30	41	**44**	41	26	**45**	35	37	23	42	35	42	27	-
R2665	Active recreation	NCA04	41	46	48	45	30	47	41	43	32	53	44	51	38	-
R2666	Active recreation	NCA02	29	45	49	46	30	50	35	37	26	41	41	48	26	-
R2667	Residential	NCA02	38	**56**	**63**	**59**	43	**62**	**45**	**47**	35	**49**	**53**	**60**	35	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2668	Residential	NCA02	25	38	40	37	23	**44**	30	32	19	37	31	38	22	-
R2669	Industrial	NCA04	39	42	42	39	25	42	35	36	26	44	37	44	36	-
R2670	Residential	NCA02	**47**	**50**	**54**	**52**	36	**54**	**48**	**50**	39	**57**	**48**	**55**	**44**	PN
R2671	Residential	NCA02	41	**52**	**58**	**54**	40	**58**	**47**	**49**	36	**52**	**49**	**56**	38	PN
R2672	Residential	NCA02	40	**53**	**59**	**56**	42	**59**	**48**	**49**	37	**52**	**50**	**57**	37	PN, V, SN, RO
R2673	Active recreation	NCA04	38	45	41	38	24	41	35	37	26	50	42	47	35	-
R2674	Residential	NCA02	30	43	**45**	**44**	27	**48**	36	38	24	42	37	**44**	27	-
R2675	Residential	NCA02	35	**50**	**55**	**51**	36	**57**	42	**44**	32	**47**	**46**	**53**	32	PN
R2676	Active recreation	NCA04	33	36	40	39	23	40	34	35	25	43	34	41	30	-
R2677	Residential	NCA02	29	40	42	40	25	**45**	30	32	20	40	34	41	26	-
R2678	Residential	NCA02	43	**51**	**57**	**53**	38	**57**	**48**	**50**	38	**54**	**49**	**55**	40	PN
R2679	Residential	NCA02	31	**44**	**44**	42	27	**47**	35	37	22	42	35	42	28	-
R2680	Residential	NCA02	28	37	39	37	22	42	29	31	18	39	31	38	25	-
R2681	Residential	NCA02	37	**54**	**60**	**56**	42	**60**	43	**46**	33	**48**	**51**	**58**	34	PN, V, SN, RO
R2682	Residential	NCA02	37	**56**	**62**	**59**	43	**62**	43	**44**	33	**48**	**53**	**59**	34	PN, V, SN, RO
R2683	Residential	NCA02	28	42	**45**	43	27	**48**	34	36	22	40	37	**44**	25	-
R2684	Industrial	NCA04	37	43	42	39	25	42	35	37	27	50	40	43	34	-
R2685	Residential	NCA02	37	**57**	**63**	**59**	43	**62**	42	**44**	33	**48**	**53**	**60**	34	PN, V, SN, RO
R2686	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	**48**	**49**	39	**54**	**47**	**54**	39	PN
R2687	Residential	NCA02	36	**57**	**63**	**59**	**44**	**63**	42	**45**	33	**48**	**54**	**61**	33	PN, V, SN, RO
R2688	Residential	NCA01	19	32	33	30	16	34	23	25	15	31	24	31	16	-
R2689	Residential	NCA02	36	**55**	**60**	**57**	43	**60**	41	43	31	**48**	**51**	**57**	33	PN, V, SN, RO
R2690	Residential	NCA02	27	40	**44**	41	26	**46**	32	34	21	39	35	42	24	-
R2691	Residential	NCA02	43	**50**	**55**	**52**	37	**56**	**48**	**50**	38	**54**	**47**	**54**	40	PN
R2692	Residential	NCA02	28	37	42	38	25	43	33	35	21	39	33	40	25	-
R2693	Active recreation	NCA04	37	44	44	41	26	43	37	39	28	48	41	46	34	-
R2694	Industrial	NCA04	45	49	51	50	33	50	47	49	38	56	48	55	42	-
R2695	Residential	NCA02	28	41	**44**	42	27	**46**	35	37	23	41	36	43	25	-
R2696	Educational institute	NCA02	33	47	50	47	31	53	37	38	27	45	42	48	30	-
R2697	Residential	NCA02	36	**51**	**55**	**52**	37	**56**	41	43	30	**47**	**47**	**54**	33	PN
R2698	Residential	NCA02	35	**52**	**57**	**53**	37	**57**	41	42	30	**46**	**48**	**55**	32	PN
R2699	Residential	NCA02	41	**54**	**61**	**57**	43	**61**	**47**	**49**	37	**53**	**52**	**58**	38	PN, V, SN, RO
R2700	Residential	NCA02	38	**51**	**57**	**53**	39	**57**	**45**	**47**	35	**50**	**48**	**53**	35	PN
R2701	Residential	NCA02	42	**51**	**56**	**53**	37	**56**	**48**	**50**	38	**53**	**47**	**54**	39	PN
R2702	Active recreation	NCA04	40	46	49	46	31	48	42	44	31	52	43	50	37	-
R2703	Residential	NCA02	42	**48**	**53**	**50**	34	**53**	**46**	**48**	38	**53**	**45**	**52**	39	PN
R2704	Residential	NCA02	42	**49**	**55**	**52**	37	**55**	**48**	**50**	38	**53**	**47**	**54**	39	PN
R2705	Residential	NCA02	28	35	39	36	22	41	31	33	20	40	31	38	25	-
R2706	Educational institute	NCA02	34	49	51	48	33	52	40	42	30	46	43	50	31	-
R2707	Residential	NCA02	29	40	**44**	40	26	**46**	34	36	22	41	35	42	26	-
R2708	Residential	NCA02	42	**51**	**57**	**54**	40	**57**	**46**	**48**	37	**53**	**48**	**54**	39	PN
R2709	Active recreation	NCA04	40	47	45	42	28	45	38	40	30	51	44	48	37	-
R2710	Residential	NCA02	30	42	**45**	42	26	**47**	34	37	25	42	36	43	27	-
R2711	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	**47**	**48**	36	**53**	**47**	**53**	39	PN
R2712	Residential	NCA02	29	**44**	**44**	42	27	**47**	33	35	22	41	36	42	26	-
R2713	Residential	NCA02	28	42	**44**	41	26	**48**	34	36	22	40	36	42	25	-
R2714	Residential	NCA02	29	41	42	40	25	**47**	34	36	22	40	36	42	26	-
R2715	Residential	NCA02	37	**50**	**57**	**53**	40	**57**	**45**	**47**	34	**48**	**48**	**54**	34	PN
R2716	Residential	NCA02	41	**52**	**58**	**55**	40	**58**	**47**	**48**	37	**52**	**49**	**56**	38	PN
R2717	Residential	NCA02	37	**53**	**59**	**55**	41	**59**	**45**	**48**	35	**49**	**50**	**56**	34	PN, V, SN, RO
R2718	Commercial	NCA02	49	54	56	53	39	56	52	55	43	60	51	58	46	-
R2719	Residential	NCA02	38	**53**	**59**	**55**	40	**58**	**45**	**47**	35	**50**	**49**	**56**	35	PN
R2720	Residential	NCA02	35	**51**	**57**	**53**	39	**57**	40	43	29	**46**	**48**	**55**	32	PN
R2721	Residential	NCA02	27	39	41	38	24	**44**	32	34	20	38	33	40	24	-
R2722	Active recreation	NCA04	37	42	42	40	25	42	36	37	26	49	40	46	34	-
R2723	Residential	NCA02	40	**52**	**58**	**55**	41	**58**	**45**	**47**	34	**51**	**49**	**56**	37	PN
R2724	Educational institute	NCA02	32	48	50	48	32	53	36	38	26	44	43	50	29	-
R2725	Residential	NCA02	40	**52**	**57**	**53**	40	**57**	**47**	**49**	36	**51**	**49**	**55**	37	PN
R2726	Residential	NCA02	37	**50**	**57**	**53**	39	**57**	**44**	**46**	33	**48**	**48**	**55**	34	PN
R2727	Residential	NCA02	25	36	41	37	23	42	28	30	18	36	32	39	22	-
R2728	Residential	NCA02	37	**51**	**58**	**54**	39	**56**	**44**	**45**	31	**48**	**49**	**56**	34	PN
R2729	Residential	NCA02	28	40	**44**	41	26	**45**	33	35	22	40	36	42	25	-
R2730	Residential	NCA01	27	41	**46**	42	29	**47**	32	35	24	39	37	**44**	24	-
R2731	Residential	NCA02	38	**52**	**57**	**55**	37	**58**	**45**	**47**	34	**50**	**49**	**54**	35	PN
R2732	Residential	NCA02	28	39	42	39	25	43	32	34	20	39	34	40	25	-
R2733	Residential	NCA02	26	37	41	38	23	42	31	33	20	38	32	39	23	-
R2734	Residential	NCA02	39	**51**	**58**	**54**	40	**58**	**48**	**49**	37	**51**	**49**	**55**	36	PN
R2735	Residential	NCA02	36	**51**	**55**	**51**	37	**55**	43	**45**	33	**48**	**46**	**53**	33	PN
R2736	Residential	NCA02	37	**52**	**57**	**55**	40	**57**	43	**45**	33	**48**	**50**	**55**	34	PN
R2737	Residential	NCA02	27	36	41	37	24	42	31	33	21	39	32	39	24	-
R2738	Residential	NCA02	37	**52**	**57**	**54**	40	**58**	43	**45**	33	**49**	**49**	**55**	34	PN
R2739	Residential	NCA02	25	35	39	35	21	40	27	29	16	35	30	37	22	-
R2740	Commercial	NCA02	48	52	55	53	37	54	49	53	39	59	50	57	45	-
R2741	Active recreation	NCA04	38	45	43	40	25	43	36	38	28	48	42	47	35	-
R2742	Residential	NCA02	38	**51**	**58**	**54**	40	**58**	**44**	**46**	33	**49**	**48**	**54**	35	PN
R2743	Residential	NCA02	36	**52**	**57**	**53**	38	**57**	43	**45**	32	**48**	**48**	**54**	33	PN
R2744	Residential	NCA02	37	**50**	**56**	**52**	38	**56**	42	**44**	33	**49**	**47**	**54**	34	PN
R2745	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	**46**	**48**	36	**50**	**49**	**56**	35	PN
R2746	Residential	NCA02	32	**53**	**47**	**44**	29	**59**	38	40	29	**44**	40	**47**	29	PN, V, SN, RO
R2747	Residential	NCA02	39	**52**	**58**	**54**	41	**57**	**47**	**49**	36	**51**	**49**	**55**	36	PN
R2748	Residential	NCA02	22	35	38	35	21	40	26	28	16	33	29	36	19	-
R2749	Residential	NCA02	35	**52**	**58**	**54**	38	**57**	43	**45**	32	**47**	**48**	**55**	32	PN
R2750	Residential	NCA02	25	39	41	39	24	**44**	30	32	18	36	33	40	22	-
R2751	Educational institute	NCA02	33	48	48	45	29	53	39	41	29	45	42	48	30	-
R2752	Residential	NCA02	**44**	**49**	**53**	**51**	35	**54**	**47**	**48**	37	**54**	**46**	**53**	41	PN
R2753	Place of worship	NCA02	32	50	49	46	29	56	38	40	28	44	41	48	29	-
R2754	Residential	NCA02	37	**52**	**58**	**54**	41	**58**	**45**	**47**	35	**49**	**49**	**55**	34	PN
R2755	Active recreation	NCA04	41	46	49	46	31	48	42	44	33	52	43	50	38	-
R2756	Residential	NCA02	25	38	41	39	24	43	31	33	19	37	32	40	22	-
R2757	Residential	NCA02	30	**44**	**46**	**44**	27	**48**	36	38	25	42	37	**44**	27	-
R2758	Residential	NCA02	37	**51**	**58**	**54**	40	**58**	**44**	**46**	34	**49**	**49**	**56**	34	PN
R2759	Active recreation	NCA04	37	44	43	41	26	43	36	38	28	50	42	48	34	-
R2760	Residential	NCA02	36	**53**	**59**	**55**	40	**59**	42	**44**	32	**48**	**50**	**55**	33	PN, V, SN, RO
R2761	Residential	NCA02	30	40	42	38	25	**45**	34	36	25	42	34	41	27	-
R2762	Commercial	NCA02	44	48	52	51	34	51	47	49	36	54	46	52	41	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2763	Residential	NCA02	29	39	42	39	25	**44**	33	35	23	41	34	41	26	-
R2764	Residential	NCA02	29	43	**46**	**44**	27	**48**	35	37	25	41	37	**44**	26	-
R2765	Residential	NCA02	31	**44**	**44**	41	26	**49**	35	38	26	43	37	**44**	28	-
R2766	Residential	NCA02	29	**50**	**55**	**51**	34	**57**	35	37	24	41	**46**	**51**	26	PN
R2767	Residential	NCA02	43	**47**	**51**	**49**	32	**51**	**46**	**48**	37	**53**	**45**	**52**	40	PN
R2768	Active recreation	NCA04	42	46	49	46	31	48	44	46	33	53	44	50	39	-
R2769	Residential	NCA02	29	42	43	41	26	**47**	34	36	23	41	34	41	26	-
R2770	Active recreation	NCA04	35	41	42	39	25	42	35	37	26	47	38	45	32	-
R2771	Residential	NCA02	42	**48**	**54**	**49**	34	**54**	**46**	**48**	36	**52**	**44**	**51**	39	PN
R2772	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	**45**	**47**	35	**49**	**49**	**56**	34	PN
R2773	Residential	NCA02	**45**	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**55**	**46**	**53**	42	PN
R2774	Residential	NCA02	33	**50**	**56**	**52**	37	**56**	40	42	29	**45**	**47**	**54**	30	PN
R2775	Commercial	NCA01	20	29	35	31	17	35	24	26	15	31	26	33	17	-
R2776	Residential	NCA02	39	**45**	**50**	**47**	33	**50**	42	**44**	33	**50**	42	**48**	36	PN
R2777	Residential	NCA02	25	41	42	40	24	**45**	29	31	21	37	33	39	22	-
R2778	Residential	NCA02	33	**48**	**47**	43	28	**52**	35	37	23	**44**	38	**45**	30	PN
R2779	Residential	NCA02	37	**49**	**55**	**52**	37	**55**	**44**	**46**	34	**48**	**46**	**53**	34	PN
R2780	Residential	NCA02	31	**44**	**45**	43	27	**50**	36	39	26	43	37	43	28	PN
R2781	Active recreation	NCA04	38	42	42	40	25	42	36	38	27	48	40	44	35	-
R2782	Residential	NCA02	37	**52**	**57**	**53**	40	**57**	**45**	**47**	35	**48**	**49**	**55**	34	PN
R2783	Residential	NCA02	31	**47**	**47**	**44**	28	**49**	36	39	27	43	38	**45**	28	PN
R2784	Residential	NCA02	32	**51**	**47**	**45**	29	**59**	37	39	27	43	40	**47**	29	PN, V, SN, RO
R2785	Residential	NCA02	40	**45**	**51**	**47**	33	**51**	**44**	**46**	35	**51**	43	**50**	37	PN
R2786	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	**44**	**46**	34	**49**	**49**	**55**	34	PN
R2787	Residential	NCA02	40	**47**	**50**	**48**	32	**50**	43	**45**	35	**51**	42	**49**	37	PN
R2788	Residential	NCA02	38	**53**	**58**	**54**	41	**58**	**45**	**47**	36	**50**	**49**	**56**	35	PN
R2789	Place of worship	NCA02	28	43	45	43	27	48	35	37	23	40	37	44	25	-
R2790	Residential	NCA02	39	**48**	**53**	**50**	35	**54**	42	43	31	**50**	**45**	**49**	36	PN
R2791	Educational institute	NCA02	34	51	54	52	33	54	40	42	27	46	46	53	31	-
R2792	Residential	NCA02	27	43	**46**	**44**	27	**48**	33	35	19	39	38	**45**	24	-
R2793	Residential	NCA02	28	40	42	39	25	**45**	34	36	23	40	34	42	25	-
R2794	Residential	NCA02	39	**50**	**55**	**51**	38	**55**	43	**44**	33	**50**	**47**	**54**	36	PN
R2795	Residential	NCA02	36	**52**	**56**	**54**	38	**57**	42	**44**	32	**47**	**49**	**56**	33	PN
R2796	Residential	NCA02	**46**	**48**	**52**	**49**	34	**52**	**45**	**48**	37	**57**	**48**	**55**	43	PN
R2797	Residential	NCA02	30	**47**	**45**	42	27	**49**	35	37	25	42	37	43	27	PN
R2798	Residential	NCA02	34	**51**	**57**	**53**	38	**57**	43	**45**	33	**47**	**48**	**55**	31	PN
R2799	Residential	NCA02	30	41	43	40	25	**45**	35	37	25	42	35	42	27	-
R2800	Educational institute	NCA02	34	50	52	50	32	53	40	42	28	46	44	51	31	-
R2801	Residential	NCA02	30	42	**45**	43	27	**46**	35	37	26	42	38	**44**	27	-
R2802	Residential	NCA02	27	40	40	38	23	**45**	32	34	23	39	33	39	24	-
R2803	Residential	NCA02	36	**51**	**58**	**54**	39	**58**	43	**45**	33	**48**	**49**	**56**	33	PN
R2804	Residential	NCA02	39	**50**	**57**	**54**	40	**57**	**46**	**48**	36	**51**	**48**	**54**	36	PN
R2805	Residential	NCA02	29	**51**	**44**	40	26	**58**	33	35	24	41	35	42	26	PN
R2806	Residential	NCA02	37	**53**	**58**	**55**	40	**58**	**44**	**46**	35	**49**	**49**	**55**	34	PN
R2807	Residential	NCA02	34	**49**	**52**	**49**	33	**52**	41	43	31	**46**	**45**	**51**	31	PN
R2808	Residential	NCA02	22	39	40	38	24	**44**	26	29	17	34	32	39	19	-
R2809	Residential	NCA02	39	**49**	**54**	**51**	37	**54**	42	**44**	33	**51**	**45**	**52**	36	PN
R2810	Educational institute	NCA02	33	47	48	47	29	51	39	41	28	45	43	49	30	-
R2811	Residential	NCA02	38	**49**	**55**	**51**	35	**54**	**44**	**46**	33	**49**	**46**	**52**	35	PN
R2812	Residential	NCA02	40	**52**	**59**	**55**	41	**59**	**46**	**48**	37	**51**	**50**	**55**	37	PN, V, SN, RO
R2813	Active recreation	NCA04	40	47	46	43	28	46	40	42	30	52	45	50	37	-
R2814	Educational institute	NCA02	28	41	45	42	27	46	32	34	22	39	36	43	25	-
R2815	Residential	NCA02	25	39	40	36	23	**45**	29	31	19	35	31	38	22	-
R2816	Residential	NCA02	25	42	41	39	23	**48**	33	35	22	35	34	41	22	-
R2817	Residential	NCA02	18	33	37	34	21	39	23	26	15	30	28	35	15	-
R2818	Residential	NCA02	**45**	**50**	**52**	**49**	33	**51**	**49**	**51**	39	**56**	**47**	**54**	42	PN
R2819	Residential	NCA02	20	35	38	34	22	41	24	26	16	31	29	36	17	-
R2820	Residential	NCA02	29	42	42	40	24	**45**	34	36	24	41	35	41	26	-
R2821	Active recreation	NCA02	30	44	47	45	28	49	35	37	25	42	39	46	27	-
R2822	Educational institute	NCA02	27	41	45	41	28	45	31	33	21	38	36	43	24	-
R2823	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	**45**	**47**	36	**50**	**47**	**54**	35	PN
R2824	Educational institute	NCA02	33	48	54	50	33	53	38	40	27	45	44	51	30	-
R2825	Residential	NCA02	35	**49**	**51**	**47**	33	**55**	40	42	30	**47**	42	**48**	32	PN
R2826	Residential	NCA02	30	39	41	38	24	43	34	36	24	42	34	41	27	-
R2827	Residential	NCA02	41	**45**	**46**	**44**	28	**47**	42	**44**	34	**51**	42	**49**	38	PN
R2828	Residential	NCA02	29	**44**	**44**	42	26	**48**	36	38	25	41	37	**44**	26	-
R2829	Residential	NCA02	38	**50**	**55**	**52**	38	**55**	43	**44**	33	**49**	**46**	**53**	35	PN
R2830	Residential	NCA02	36	**50**	**56**	**52**	37	**55**	42	**45**	33	**48**	**46**	**53**	33	PN
R2831	Educational institute	NCA02	32	48	49	46	29	52	36	38	25	44	41	48	29	-
R2832	Educational institute	NCA02	33	49	51	47	33	52	40	42	30	45	42	48	30	-
R2833	Active recreation	NCA04	37	41	43	40	25	42	36	37	27	46	38	43	34	-
R2834	Residential	NCA02	26	39	40	37	23	43	31	33	20	38	31	38	23	-
R2835	Residential	NCA02	37	**49**	**54**	**50**	34	**54**	**44**	**46**	33	**47**	**45**	**52**	34	PN
R2836	Residential	NCA02	30	**45**	**44**	43	26	**47**	34	37	24	42	37	**44**	27	-
R2837	Residential	NCA02	35	**52**	**57**	**53**	38	**59**	39	41	28	**46**	**45**	**52**	32	PN, V, SN, RO
R2838	Residential	NCA02	26	42	43	39	25	**46**	33	35	23	38	34	41	23	-
R2839	Residential	NCA02	32	**52**	**47**	**45**	29	**58**	37	39	27	**44**	40	**47**	29	PN
R2840	Residential	NCA02	28	**44**	**45**	42	27	**48**	35	37	25	40	36	**44**	25	-
R2841	Residential	NCA02	39	**45**	**48**	**45**	31	**49**	41	43	33	**50**	42	**49**	36	PN
R2842	Residential	NCA02	36	**51**	**57**	**54**	40	**57**	41	43	30	**46**	**48**	**54**	33	PN
R2843	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	**45**	32	**48**	**48**	**55**	33	PN, V, SN, RO
R2844	Residential	NCA02	38	**49**	**55**	**51**	38	**55**	**44**	**45**	33	**49**	**47**	**52**	35	PN
R2845	Residential	NCA02	39	**47**	**54**	**49**	33	**53**	43	**45**	33	**50**	**44**	**50**	36	PN
R2846	Residential	NCA02	27	42	**45**	42	27	**47**	33	35	23	39	36	43	24	-
R2847	Residential	NCA02	23	38	39	36	23	42	26	28	18	35	30	37	20	-
R2848	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN
R2849	Residential	NCA02	30	43	**45**	43	26	**47**	36	38	25	42	38	**45**	27	-
R2850	Residential	NCA02	**44**	**47**	**51**	**48**	31	**51**	**46**	**48**	36	**55**	**46**	**53**	41	PN
R2851	Residential	NCA02	40	**50**	**56**	**52**	38	**56**	**46**	**48**	36	**52**	**47**	**55**	37	PN
R2852	Residential	NCA02	27	42	41	39	23	**45**	33	35	22	39	34	41	24	-
R2853	Residential	NCA02	26	42	**44**	42	25	**47**	33	35	23	38	36	43	23	-
R2854	Residential	NCA02	40	**44**	**48**	**47**	30	**47**	43	**45**	34	**50**	42	**49**	37	PN
R2855	Residential	NCA02	38	**50**	**57**	**53**	39	**57**	**45**	**48**	36	**49**	**48**	**55**	35	PN
R2856	Residential	NCA02	27	39	40	36	23	**44**	31	34	22	38	32	39	24	-
R2857	Residential	NCA02	37	**50**	**55**	**52**	37	**55**	**44**	**46**	34	**49**	**47**	**54**	34	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2858	Residential	NCA02	27	43	**45**	43	25	**48**	34	36	23	39	37	**44**	24	-
R2859	Active recreation	NCA04	35	42	38	35	21	37	34	36	23	48	39	46	32	-
R2860	Residential	NCA02	30	**46**	**45**	43	27	**48**	35	37	24	42	36	43	27	-
R2861	Residential	NCA02	32	**50**	**48**	**44**	29	**57**	38	40	28	**44**	41	**48**	29	PN
R2862	Educational institute	NCA02	32	43	47	44	30	47	39	40	26	44	38	45	29	-
R2863	Residential	NCA02	38	**51**	**57**	**53**	37	**57**	**44**	**46**	34	**48**	**48**	**53**	35	PN
R2864	Residential	NCA02	23	36	38	35	21	41	28	30	17	35	30	37	20	-
R2865	Residential	NCA02	**44**	**49**	**51**	**50**	32	**51**	**47**	**49**	39	**56**	**47**	**54**	41	PN
R2866	Residential	NCA02	28	39	40	37	23	43	32	34	22	40	33	39	25	-
R2867	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	41	43	31	**48**	**45**	**50**	34	PN
R2868	Residential	NCA02	37	**51**	**57**	**53**	38	**57**	**44**	**46**	35	**49**	**48**	**55**	34	PN
R2869	Residential	NCA02	27	35	39	36	22	40	30	32	20	39	31	37	24	-
R2870	Active recreation	NCA04	42	45	50	47	32	50	45	47	34	53	43	50	39	-
R2871	Residential	NCA02	39	**47**	**51**	**48**	33	**51**	40	42	32	**49**	43	**49**	36	PN
R2872	Residential	NCA02	24	35	38	36	21	40	28	30	17	36	30	37	21	-
R2873	Residential	NCA02	38	**51**	**57**	**53**	38	**57**	**44**	**46**	35	**49**	**48**	**54**	35	PN
R2874	Residential	NCA02	32	**50**	**47**	**45**	29	**55**	38	40	26	**44**	41	**48**	29	PN
R2875	Residential	NCA02	29	**44**	43	42	25	**48**	35	37	25	41	36	43	26	-
R2876	Residential	NCA02	30	**47**	43	42	25	**50**	36	38	26	42	38	**44**	27	PN
R2877	Residential	NCA02	26	37	38	35	21	41	32	35	21	38	32	39	23	-
R2878	Residential	NCA02	38	**50**	**56**	**52**	38	**56**	**45**	**46**	34	**50**	**47**	**51**	35	PN
R2879	Residential	NCA02	24	36	39	37	21	41	30	32	18	36	32	38	21	-
R2880	Residential	NCA02	41	**46**	**51**	**48**	33	**50**	**45**	**47**	36	**52**	**44**	**50**	38	PN
R2881	Residential	NCA02	36	**49**	**53**	**50**	34	**53**	42	**44**	31	**47**	**44**	**51**	33	PN
R2882	Residential	NCA02	41	**47**	**51**	**48**	33	**50**	**44**	**46**	36	**53**	43	**50**	38	PN
R2883	Residential	NCA02	38	**50**	**56**	**53**	38	**56**	**44**	**46**	35	**50**	**47**	**53**	35	PN
R2884	Residential	NCA02	24	34	37	35	20	41	28	30	18	36	29	36	21	-
R2885	Residential	NCA02	26	36	38	35	21	42	30	32	19	38	30	37	23	-
R2886	Active recreation	NCA04	39	45	42	40	25	42	36	37	27	48	42	46	36	-
R2887	Residential	NCA02	39	**45**	**48**	**47**	30	**48**	**44**	**45**	35	**50**	42	**49**	36	PN
R2888	Residential	NCA02	24	36	40	36	22	41	28	30	20	35	31	38	21	-
R2889	Residential	NCA02	**44**	**49**	**51**	**49**	34	**51**	**47**	**48**	37	**55**	**46**	**53**	41	PN
R2890	Residential	NCA02	39	**44**	**49**	**45**	30	**49**	41	43	33	**50**	41	**48**	36	PN
R2891	Active recreation	NCA04	38	45	47	44	29	47	40	42	31	51	43	49	35	-
R2892	Residential	NCA02	26	38	**44**	41	26	**45**	32	34	24	38	36	43	23	-
R2893	Residential	NCA02	35	**51**	**57**	**53**	38	**57**	42	**45**	32	**47**	**48**	**54**	32	PN
R2894	Residential	NCA02	29	**44**	**45**	42	26	**48**	34	36	24	41	37	43	26	-
R2895	Place of worship	NCA02	31	51	47	45	29	56	36	38	26	43	41	48	28	-
R2896	Residential	NCA02	34	**48**	**54**	**50**	35	**54**	41	43	30	**46**	**44**	**51**	31	PN
R2897	Residential	NCA02	41	**47**	**52**	**48**	33	**52**	**44**	**47**	35	**52**	43	**51**	38	PN
R2898	Residential	NCA02	30	**45**	**44**	41	26	**47**	36	38	25	42	38	**45**	27	-
R2899	Active recreation	NCA04	41	46	49	49	32	49	45	47	33	52	44	51	38	-
R2900	Residential	NCA02	31	**48**	**48**	**45**	27	**52**	37	39	28	43	40	**47**	28	PN
R2901	Residential	NCA02	25	35	39	36	22	40	29	31	20	36	31	37	22	-
R2902	Residential	NCA02	36	**52**	**56**	**54**	38	**58**	43	**45**	33	**47**	**47**	**54**	33	PN
R2903	Residential	NCA02	29	39	40	38	23	**44**	33	35	24	40	32	39	26	-
R2904	Residential	NCA02	34	**53**	**58**	**54**	38	**57**	41	43	31	**46**	**49**	**52**	31	PN
R2905	Residential	NCA02	39	**46**	**51**	**47**	33	**51**	43	**45**	35	**50**	43	**49**	36	PN
R2906	Active recreation	NCA04	41	45	44	42	22	39	39	40	29	52	43	48	38	-
R2907	Residential	NCA02	36	**48**	**54**	**50**	36	**54**	43	**45**	33	**48**	**45**	**51**	33	PN
R2908	Residential	NCA02	30	**47**	**46**	43	28	**51**	36	38	26	42	38	**45**	27	PN
R2909	Residential	NCA02	39	**46**	**50**	**46**	32	**50**	43	**45**	34	**50**	42	**48**	36	PN
R2910	Residential	NCA02	34	**49**	**52**	**49**	34	**52**	40	43	31	**46**	43	**48**	31	PN
R2911	Residential	NCA02	30	**44**	**45**	42	27	**46**	36	38	26	42	39	**46**	27	-
R2912	Residential	NCA02	27	38	43	40	25	**44**	32	34	23	38	34	41	24	-
R2913	Residential	NCA02	38	**47**	**53**	**50**	35	**53**	43	**45**	34	**50**	**44**	**50**	35	PN
R2914	Residential	NCA02	29	40	42	40	25	**44**	33	35	25	40	35	41	26	-
R2915	Residential	NCA02	34	**48**	**54**	**50**	36	**54**	41	43	31	**46**	**45**	**52**	31	PN
R2916	Residential	NCA02	39	**47**	**53**	**49**	37	**53**	**44**	**46**	34	**50**	**45**	**51**	36	PN
R2917	Residential	NCA02	26	36	37	35	20	40	27	29	18	34	28	35	23	-
R2918	Residential	NCA02	29	42	**45**	41	26	**45**	33	35	23	41	37	**44**	26	-
R2919	Residential	NCA02	39	**49**	**55**	**51**	37	**55**	**44**	**46**	35	**50**	**46**	**53**	36	PN
R2920	Residential	NCA02	33	**48**	**50**	**47**	32	**53**	40	42	30	**45**	42	**48**	30	PN
R2921	Residential	NCA02	38	**48**	**53**	**50**	35	**53**	**44**	**46**	35	**49**	**44**	**50**	35	PN
R2922	Residential	NCA02	33	**47**	**54**	**50**	35	**54**	39	41	26	**44**	**44**	**50**	30	PN
R2923	Residential	NCA02	32	**44**	**48**	**44**	30	**48**	37	39	25	**44**	39	**46**	29	-
R2924	Residential	NCA02	32	**50**	**47**	**45**	29	**54**	37	39	26	**44**	39	**45**	29	PN
R2925	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	43	**44**	33	**49**	**45**	**52**	34	PN
R2926	Residential	NCA02	30	**45**	**45**	43	27	**47**	36	38	27	42	37	**44**	27	-
R2927	Residential	NCA02	32	**48**	**50**	**46**	29	**54**	38	40	28	**44**	41	**48**	29	PN
R2928	Residential	NCA02	31	42	**45**	42	27	**46**	37	39	25	43	38	**45**	28	-
R2929	Residential	NCA02	27	42	40	39	22	**44**	33	35	22	39	32	39	24	-
R2930	Active recreation	NCA04	37	43	41	38	24	41	34	36	26	45	40	45	34	-
R2931	Residential	NCA02	37	**49**	**54**	**51**	36	**54**	**44**	**46**	35	**49**	**46**	**53**	34	PN
R2932	Residential	NCA02	33	**46**	**47**	**46**	29	**48**	39	41	28	**45**	41	**47**	30	-
R2933	Residential	NCA02	40	**44**	**50**	**46**	30	**50**	39	41	31	**51**	42	**48**	37	PN
R2934	Residential	NCA02	36	**48**	**53**	**49**	35	**53**	42	43	32	**48**	**45**	**51**	33	PN
R2935	Residential	NCA02	23	34	37	33	20	39	26	28	18	34	29	35	20	-
R2936	Residential	NCA02	34	**47**	**48**	**46**	31	**48**	39	40	27	**46**	40	**47**	31	-
R2937	Residential	NCA02	32	**44**	**46**	**44**	26	**48**	38	40	27	**44**	39	**45**	29	-
R2938	Residential	NCA02	32	**46**	**47**	**45**	28	**50**	38	40	28	**44**	41	**48**	29	PN
R2939	Residential	NCA02	33	**46**	**48**	**45**	28	**49**	38	40	28	**45**	41	**46**	30	-
R2940	Residential	NCA02	36	**47**	**53**	**49**	34	**53**	43	**44**	32	**48**	**44**	**50**	33	PN
R2941	Residential	NCA02	32	**48**	**47**	43	29	**53**	37	39	28	**44**	39	**45**	29	PN
R2942	Residential	NCA02	37	**49**	**54**	**51**	37	**55**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R2943	Residential	NCA02	33	41	**46**	42	29	**46**	39	40	28	**45**	38	**45**	30	-
R2944	Residential	NCA02	29	**45**	**44**	42	27	**49**	35	37	26	41	37	**44**	26	PN
R2945	Residential	NCA02	38	43	**46**	43	28	**46**	41	43	33	**49**	40	**47**	35	PN
R2946	Residential	NCA02	30	**47**	**48**	**45**	30	**52**	36	37	26	42	40	**47**	27	PN
R2947	Residential	NCA02	28	**45**	**45**	42	27	**47**	32	34	21	39	36	43	25	-
R2948	Residential	NCA02	37	43	**45**	43	28	**45**	39	41	31	**48**	39	**46**	34	-
R2949	Residential	NCA02	29	41	39	37	23	43	32	34	24	40	31	38	26	-
R2950	Residential	NCA02	32	**48**	**54**	**50**	35	**54**	38	41	27	**44**	**45**	**52**	29	PN
R2951	Residential	NCA02	37	**49**	**54**	**50**	36	**54**	43	**45**	34	**49**	**45**	**52**	34	PN
R2952	Industrial	NCA02	26	38	42	39	24	43	32	34	22	38	34	39	23	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2953	Active recreation	NCA02	26	37	39	36	22	42	31	33	21	38	32	39	23	-
R2954	Residential	NCA02	37	42	**46**	43	28	**47**	41	43	31	**48**	39	**46**	34	-
R2955	Residential	NCA02	38	43	**44**	42	27	**44**	41	43	32	**49**	40	**47**	35	PN
R2956	Residential	NCA02	30	43	**45**	42	27	**45**	34	36	22	42	37	43	27	-
R2957	Residential	NCA02	38	43	**45**	42	28	**45**	41	43	33	**49**	40	**47**	35	PN
R2958	Residential	NCA02	37	**48**	**53**	**50**	36	**54**	43	**45**	33	**48**	**45**	**52**	34	PN
R2959	Residential	NCA02	38	43	**50**	**46**	31	**47**	40	43	32	**49**	40	**47**	35	PN
R2960	Residential	NCA02	30	41	**45**	41	28	**45**	36	37	23	42	36	43	27	-
R2961	Residential	NCA02	33	**46**	**49**	**48**	31	**52**	40	41	28	**45**	43	**46**	30	PN
R2962	Residential	NCA02	30	**45**	39	37	22	**48**	34	36	23	42	33	40	27	-
R2963	Residential	NCA02	37	**45**	**49**	**45**	31	**49**	41	43	31	**48**	40	**48**	34	PN
R2964	Residential	NCA02	25	40	40	37	23	**44**	29	31	20	36	32	39	22	-
R2965	Residential	NCA02	31	**47**	**48**	**45**	28	**52**	37	38	27	43	40	**47**	28	PN
R2966	Residential	NCA02	32	**47**	**46**	43	27	**52**	38	40	27	**44**	39	**45**	29	PN
R2967	Active recreation	NCA04	35	43	44	41	27	44	38	40	28	49	41	47	32	-
R2968	Residential	NCA02	32	**48**	**53**	**49**	36	**53**	38	40	27	**44**	**44**	**51**	29	PN
R2969	Residential	NCA02	26	36	37	36	20	40	30	32	20	38	30	37	23	-
R2970	Residential	NCA02	27	39	40	37	23	42	33	35	23	39	32	39	24	-
R2971	Residential	NCA02	34	**48**	**53**	**49**	35	**53**	41	43	30	**46**	**44**	**51**	31	PN
R2972	Residential	NCA02	28	38	39	37	22	42	35	37	23	40	33	39	25	-
R2973	Residential	NCA02	33	40	**45**	42	27	**46**	38	40	27	**45**	37	43	30	-
R2974	Residential	NCA02	34	**46**	**51**	**47**	33	**51**	39	41	29	**45**	43	**49**	31	PN
R2975	Residential	NCA02	38	43	43	**45**	26	43	41	43	33	**49**	40	**47**	35	PN
R2976	Residential	NCA02	30	42	**45**	41	27	**46**	37	39	24	42	37	43	27	-
R2977	Active recreation	NCA04	36	43	44	41	27	44	38	40	28	49	41	46	33	-
R2978	Active recreation	NCA02	40	45	49	47	32	50	43	45	34	51	43	50	37	-
R2979	Residential	NCA02	37	**46**	**51**	**46**	33	**51**	42	**44**	33	**48**	43	**48**	34	PN
R2980	Residential	NCA02	30	43	**45**	41	27	**47**	35	37	23	41	36	42	27	-
R2981	Residential	NCA02	29	41	41	41	24	**46**	34	36	25	41	37	**44**	26	-
R2982	Residential	NCA02	39	**47**	**53**	**48**	33	**53**	43	**44**	33	**50**	**44**	**49**	36	PN
R2983	Residential	NCA02	27	41	**45**	43	26	**47**	33	35	23	39	37	43	24	-
R2984	Residential	NCA02	32	43	**45**	42	26	**46**	37	39	28	**44**	37	43	29	-
R2985	Residential	NCA02	37	**45**	**49**	**46**	31	**49**	41	43	33	**48**	41	**48**	34	PN
R2986	Residential	NCA02	29	39	40	37	23	42	32	34	23	40	32	40	26	-
R2987	Residential	NCA02	28	38	39	38	22	41	33	35	24	40	32	38	25	-
R2988	Residential	NCA02	31	**46**	**44**	42	25	**51**	37	39	25	43	39	**46**	28	PN
R2989	Residential	NCA02	27	**48**	**52**	**50**	35	**52**	35	37	24	38	43	**50**	24	PN
R2990	Residential	NCA02	28	38	40	36	23	**44**	31	33	21	39	31	38	25	-
R2991	Residential	NCA02	38	43	**46**	42	27	**46**	41	43	33	**49**	40	**47**	35	PN
R2992	Residential	NCA02	38	**48**	**54**	**50**	35	**54**	43	**45**	34	**49**	**45**	**52**	35	PN
R2993	Residential	NCA02	33	**46**	**49**	**46**	30	**49**	39	41	28	**45**	41	**47**	30	PN
R2994	Residential	NCA02	33	41	**47**	43	30	**47**	37	39	26	**44**	37	**44**	30	-
R2995	Residential	NCA02	37	**45**	**49**	**46**	32	**49**	41	**44**	33	**49**	41	**48**	34	PN
R2996	Residential	NCA02	37	**47**	**53**	**49**	35	**53**	43	**44**	33	**49**	**44**	**51**	34	PN
R2997	Residential	NCA02	38	**44**	**47**	**44**	29	**47**	41	43	33	**49**	40	**47**	35	PN
R2998	Active recreation	NCA02	28	42	45	41	26	45	33	35	25	40	36	43	25	-
R2999	Residential	NCA02	34	**45**	**49**	**45**	30	**48**	41	41	30	**45**	39	**47**	31	PN
R3000	Residential	NCA02	27	39	41	38	22	43	32	34	23	39	33	39	24	-
R3001	Residential	NCA02	33	**46**	**50**	**47**	32	**51**	39	41	27	**44**	41	**48**	30	PN
R3002	Residential	NCA02	30	**45**	**48**	**45**	31	**48**	35	37	25	43	39	**46**	27	-
R3003	Residential	NCA02	38	**48**	**53**	**50**	35	**53**	43	**44**	34	**49**	**45**	**52**	35	PN
R3004	Residential	NCA02	31	**46**	**49**	**46**	31	**50**	37	39	24	43	41	**47**	28	PN
R3005	Residential	NCA02	38	**48**	**54**	**50**	35	**54**	43	**45**	34	**49**	**45**	**51**	35	PN
R3006	Residential	NCA02	38	**48**	**54**	**50**	36	**54**	43	**45**	33	**49**	**45**	**51**	35	PN
R3007	Residential	NCA02	38	**44**	**45**	42	27	**45**	42	**44**	34	**50**	41	**48**	35	PN
R3008	Residential	NCA02	30	**44**	**46**	**45**	28	**47**	37	40	25	41	38	**45**	27	-
R3009	Residential	NCA02	36	**47**	**54**	**50**	34	**53**	42	**44**	33	**47**	**44**	**50**	33	PN
R3010	Residential	NCA02	40	**46**	**52**	**48**	34	**51**	42	**45**	34	**51**	42	**49**	37	PN
R3011	Residential	NCA02	31	**47**	**47**	**44**	27	**52**	37	39	25	**44**	39	**47**	28	PN
R3012	Residential	NCA02	28	40	40	37	23	43	31	33	22	40	32	39	25	-
R3013	Residential	NCA02	26	38	39	37	22	42	30	32	22	37	32	37	23	-
R3014	Active recreation	NCA02	39	44	50	46	32	50	42	44	34	50	42	48	36	-
R3015	Residential	NCA02	29	41	41	38	23	**47**	33	35	20	40	34	41	26	-
R3016	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	43	**46**	34	**49**	**44**	**51**	34	PN
R3017	Residential	NCA02	37	**48**	**53**	**50**	36	**53**	43	**46**	33	**48**	**44**	**51**	34	PN
R3018	Residential	NCA02	26	38	42	40	23	**44**	31	33	21	38	33	40	23	-
R3019	Residential	NCA02	31	39	42	38	25	**44**	36	38	25	43	35	42	28	-
R3020	Residential	NCA02	29	38	40	38	23	40	35	37	25	42	33	40	26	-
R3021	Residential	NCA02	33	**47**	**51**	**47**	32	**51**	40	42	29	**44**	42	**49**	30	PN
R3022	Residential	NCA02	26	36	40	36	22	41	32	34	21	37	32	39	23	-
R3023	Residential	NCA02	36	**48**	**53**	**50**	36	**54**	42	**44**	32	**47**	**45**	**51**	33	PN
R3024	Residential	NCA02	30	38	42	38	25	42	34	35	22	41	33	40	27	-
R3025	Residential	NCA02	37	**45**	**49**	**46**	31	**48**	43	**44**	32	**48**	41	**47**	34	PN
R3026	Residential	NCA02	27	39	39	36	21	41	31	33	21	38	31	37	24	-
R3027	Residential	NCA02	37	43	**45**	**45**	28	**46**	41	43	33	**49**	40	**47**	34	PN
R3028	Residential	NCA02	39	**44**	**50**	**47**	32	**50**	43	**44**	34	**49**	42	**49**	36	PN
R3029	Residential	NCA02	25	39	38	35	20	42	29	31	20	36	29	35	22	-
R3030	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	41	42	31	**46**	43	**48**	32	PN
R3031	Residential	NCA02	28	38	40	36	22	**44**	32	34	19	39	32	39	25	-
R3032	Residential	NCA02	30	**45**	**47**	**46**	26	**49**	36	38	24	42	40	43	27	PN
R3033	Residential	NCA02	38	**44**	**49**	**45**	32	**49**	38	40	29	**48**	40	**47**	35	PN
R3034	Residential	NCA02	35	**47**	**52**	**49**	35	**52**	42	**44**	33	**47**	**44**	**50**	32	PN
R3035	Residential	NCA02	25	35	36	35	19	39	27	29	18	36	28	34	22	-
R3036	Active recreation	NCA02	25	37	38	36	21	41	30	32	21	37	30	37	22	-
R3037	Residential	NCA02	31	**46**	43	41	25	**52**	36	38	25	43	38	43	28	PN
R3038	Residential	NCA02	37	**44**	**51**	**47**	33	**51**	41	43	31	**48**	42	**48**	34	PN
R3039	Residential	NCA02	29	**44**	42	39	24	**45**	34	36	25	41	35	41	26	-
R3040	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	41	43	31	**47**	43	**48**	32	PN
R3041	Residential	NCA02	39	43	**47**	**45**	30	**47**	41	43	33	**49**	41	**47**	36	PN
R3042	Residential	NCA02	35	**47**	**51**	**47**	34	**51**	42	43	31	**47**	42	**47**	32	PN
R3043	Residential	NCA02	32	42	**44**	41	26	**45**	38	40	27	**44**	37	43	29	-
R3044	Residential	NCA02	28	39	39	36	22	42	31	33	22	40	30	38	25	-
R3045	Residential	NCA02	22	35	37	35	20	40	26	28	16	34	28	35	19	-
R3046	Residential	NCA02	39	**45**	**48**	**46**	31	**48**	43	**44**	34	**49**	42	**48**	36	PN
R3047	Residential	NCA02	39	**46**	**51**	**47**	34	**51**	43	**45**	34	**50**	42	**49**	36	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3048	Residential	NCA02	33	**45**	**49**	**46**	32	**49**	39	39	28	**45**	40	**47**	30	PN
R3049	Residential	NCA02	31	**45**	**50**	**46**	31	**50**	37	39	26	43	41	**46**	28	PN
R3050	Residential	NCA02	37	**45**	**49**	**45**	31	**49**	42	43	33	**48**	41	**48**	34	PN
R3051	Residential	NCA02	34	**47**	**52**	**48**	33	**53**	41	43	31	**46**	43	**50**	31	PN
R3052	Residential	NCA02	22	34	37	34	19	39	29	31	18	33	28	35	19	-
R3053	Residential	NCA02	38	**45**	**47**	**46**	28	**47**	43	**44**	33	**50**	42	**48**	35	PN
R3054	Residential	NCA02	38	**45**	**51**	**47**	34	**51**	43	**45**	34	**50**	42	**49**	35	PN
R3055	Residential	NCA02	34	**47**	**53**	**49**	35	**53**	40	42	30	**46**	43	**49**	31	PN
R3056	Residential	NCA02	25	39	38	36	21	42	29	31	18	37	29	36	22	-
R3057	Residential	NCA02	31	**44**	43	42	25	**48**	35	37	24	43	37	**44**	28	-
R3058	Residential	NCA02	38	**47**	**52**	**49**	34	**52**	**44**	**46**	34	**50**	43	**50**	35	PN
R3059	Residential	NCA02	28	38	38	36	20	42	31	33	22	40	30	37	25	-
R3060	Residential	NCA02	39	**45**	**52**	**48**	33	**51**	42	**45**	33	**50**	42	**48**	36	PN
R3061	Residential	NCA02	34	**46**	**52**	**48**	33	**51**	41	42	30	**46**	43	**49**	31	PN
R3062	Residential	NCA02	28	38	39	37	22	42	32	34	24	40	31	39	25	-
R3063	Residential	NCA02	31	**45**	43	43	25	**50**	36	38	26	43	38	**45**	28	PN
R3064	Residential	NCA02	38	**45**	**46**	**46**	29	**46**	43	**45**	33	**51**	41	**48**	35	PN
R3065	Residential	NCA02	30	39	40	36	22	43	33	35	21	41	33	39	27	-
R3066	Residential	NCA02	23	34	36	34	19	39	27	29	15	34	27	33	20	-
R3067	Residential	NCA02	32	41	**46**	43	30	**46**	37	39	28	**44**	37	**44**	29	-
R3068	Residential	NCA02	22	35	37	34	20	39	26	28	18	34	28	35	19	-
R3069	Residential	NCA02	29	41	42	40	23	**45**	34	36	25	41	35	42	26	-
R3070	Residential	NCA02	37	43	**47**	**45**	30	**47**	41	43	33	**48**	40	**47**	34	-
R3071	Residential	NCA02	39	**47**	**53**	**49**	35	**53**	42	**44**	33	**50**	**44**	**49**	36	PN
R3072	Residential	NCA02	31	42	**47**	43	30	**47**	33	35	21	41	38	43	28	-
R3073	Residential	NCA02	35	**46**	**50**	**47**	31	**50**	37	38	28	**46**	42	**47**	32	PN
R3074	Residential	NCA02	41	**44**	**47**	**46**	29	**46**	42	**44**	34	**51**	42	**49**	38	PN
R3075	Residential	NCA02	27	42	**45**	42	26	**47**	33	35	24	39	36	42	24	-
R3076	Residential	NCA02	39	**45**	**47**	**46**	30	**47**	43	**45**	33	**50**	42	**49**	36	PN
R3077	Residential	NCA02	39	**46**	**52**	**48**	34	**51**	42	**45**	34	**50**	43	**49**	36	PN
R3078	Residential	NCA02	33	**45**	**48**	**44**	30	**48**	39	40	28	**45**	39	**45**	30	-
R3079	Residential	NCA02	24	39	43	41	24	**45**	29	31	20	36	35	41	21	-
R3080	Residential	NCA02	25	36	38	36	21	40	28	32	20	37	31	37	22	-
R3081	Residential	NCA02	34	**45**	**51**	**48**	32	**51**	40	41	30	**46**	41	**47**	31	PN
R3082	Active recreation	NCA04	37	42	42	39	25	42	35	37	26	46	38	42	34	-
R3083	Residential	NCA02	38	**46**	**51**	**48**	34	**51**	43	**45**	33	**50**	42	**49**	35	PN
R3084	Residential	NCA02	26	38	43	40	25	43	31	33	21	38	34	41	23	-
R3085	Residential	NCA02	27	36	37	35	20	40	33	35	23	39	32	39	24	-
R3086	Residential	NCA02	33	**46**	**50**	**47**	31	**50**	40	41	29	**45**	42	**47**	30	PN
R3087	Residential	NCA02	24	39	41	38	22	43	28	30	20	35	33	40	21	-
R3088	Residential	NCA02	29	40	41	38	24	**45**	34	36	23	40	33	39	26	-
R3089	Residential	NCA02	38	**45**	**51**	**47**	34	**51**	42	43	31	**49**	42	**47**	35	PN
R3090	Residential	NCA02	24	35	37	34	19	39	28	30	19	36	28	34	21	-
R3091	Residential	NCA02	31	**44**	**46**	42	28	**47**	37	38	26	43	37	43	28	-
R3092	Residential	NCA02	39	**45**	**48**	**46**	29	**48**	42	**44**	33	**53**	**44**	**50**	36	PN
R3093	Residential	NCA02	26	39	38	36	21	41	30	32	18	37	29	36	23	-
R3094	Residential	NCA02	22	32	36	32	19	37	27	29	18	34	27	34	19	-
R3095	Residential	NCA02	30	**46**	43	42	25	**52**	37	38	24	42	37	**44**	27	PN
R3096	Residential	NCA02	32	40	**44**	41	27	**44**	38	39	27	**44**	36	43	29	-
R3097	Residential	NCA02	28	38	39	36	22	42	31	34	22	40	31	38	25	-
R3098	Residential	NCA02	32	**45**	**47**	**45**	29	**47**	39	40	28	**44**	39	**44**	29	-
R3099	Residential	NCA02	30	43	**48**	**44**	28	**48**	37	39	25	42	39	**46**	27	-
R3100	Residential	NCA02	28	43	**44**	41	26	**46**	33	35	24	40	36	42	25	-
R3101	Residential	NCA02	32	42	**44**	42	26	**45**	38	40	27	**44**	37	**44**	29	-
R3102	Residential	NCA02	41	**45**	**50**	**47**	33	**50**	**44**	**46**	34	**52**	43	**50**	38	PN
R3103	Residential	NCA02	32	42	42	40	25	**46**	38	40	27	**44**	37	**44**	29	-
R3104	Residential	NCA02	30	43	43	41	24	**48**	36	38	25	42	36	43	27	-
R3105	Residential	NCA02	40	**44**	**48**	**45**	31	**48**	41	43	32	**51**	41	**48**	37	PN
R3106	Residential	NCA02	31	**45**	**44**	40	25	**51**	37	38	25	43	37	**44**	28	PN
R3107	Residential	NCA02	32	**44**	**47**	43	29	**47**	37	39	25	43	38	43	29	-
R3108	Residential	NCA02	27	36	38	35	20	39	31	33	20	39	30	37	24	-
R3109	Residential	NCA02	28	38	41	37	22	**44**	31	33	20	39	33	39	25	-
R3110	Residential	NCA02	34	42	**47**	43	28	**47**	37	39	28	**46**	38	**44**	31	-
R3111	Residential	NCA02	36	**46**	**52**	**48**	33	**52**	42	**44**	31	**48**	43	**49**	33	PN
R3112	Residential	NCA02	28	**44**	43	40	24	**45**	34	36	24	40	35	42	25	-
R3113	Residential	NCA02	28	36	40	36	23	40	34	35	21	40	32	38	25	-
R3114	Residential	NCA02	25	41	40	37	21	**44**	26	28	17	36	31	38	22	-
R3115	Residential	NCA02	29	42	42	39	24	**45**	34	36	24	41	35	41	26	-
R3116	Residential	NCA02	26	37	38	35	21	41	29	31	19	36	32	39	23	-
R3117	Residential	NCA02	32	**45**	**49**	**46**	31	**49**	39	41	28	43	40	**47**	29	PN
R3118	Residential	NCA02	31	40	**44**	40	26	**44**	34	36	23	42	35	40	28	-
R3119	Residential	NCA02	35	**46**	**51**	**49**	34	**52**	41	43	31	**47**	42	**50**	32	PN
R3120	Residential	NCA02	37	**46**	**51**	**48**	34	**51**	36	38	27	**45**	43	**49**	34	PN
R3121	Residential	NCA02	39	43	**47**	**45**	29	**47**	41	43	32	**50**	42	**48**	36	PN
R3122	Residential	NCA02	36	**46**	**50**	**47**	32	**51**	42	**44**	32	**48**	41	**48**	33	PN
R3123	Residential	NCA02	33	42	**45**	43	29	**47**	36	38	27	**44**	38	43	30	-
R3124	Residential	NCA02	27	42	**45**	42	26	**46**	33	35	24	39	36	43	24	-
R3125	Residential	NCA02	33	42	**47**	43	28	**47**	36	39	28	**44**	38	43	30	-
R3126	Residential	NCA02	41	**45**	**48**	**46**	31	**48**	43	**46**	34	**52**	43	**50**	38	PN
R3127	Residential	NCA02	27	38	39	37	21	43	33	34	21	39	32	39	24	-
R3128	Residential	NCA02	38	43	**47**	**44**	29	**47**	41	43	32	**49**	40	**47**	35	PN
R3129	Residential	NCA02	28	38	39	37	22	42	33	35	21	40	32	39	25	-
R3130	Residential	NCA02	30	43	42	40	25	**51**	36	38	26	42	36	43	27	PN
R3131	Residential	NCA02	26	37	38	35	20	42	29	31	18	37	29	36	23	-
R3132	Residential	NCA02	35	**45**	**51**	**48**	34	**51**	41	43	32	**47**	42	**49**	32	PN
R3133	Residential	NCA02	31	**44**	43	41	25	**48**	36	38	24	43	36	43	28	-
R3134	Residential	NCA02	31	42	42	40	24	**48**	36	38	25	43	36	42	28	-
R3135	Residential	NCA02	26	36	38	36	21	41	31	33	20	38	30	37	23	-
R3136	Residential	NCA02	27	39	42	39	24	**44**	33	35	24	39	34	41	24	-
R3137	Residential	NCA02	36	**45**	**51**	**47**	33	**51**	41	43	32	**47**	42	**49**	33	PN
R3138	Residential	NCA02	28	43	42	41	24	**45**	34	36	25	40	35	42	25	-
R3139	Residential	NCA02	24	34	38	35	22	39	31	32	17	36	29	37	21	-
R3140	Residential	NCA02	29	40	**46**	42	28	**45**	32	33	20	41	36	42	26	-
R3141	Residential	NCA02	25	37	38	35	21	41	30	32	21	37	30	37	22	-
R3142	Residential	NCA02	38	**44**	**45**	**45**	28	**46**	42	**44**	33	**49**	41	**47**	35	PN

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R3143	Residential	NCA02	32	40	**46**	43	30	**46**	35	38	25	**44**	37	43	29	-
R3144	Residential	NCA02	35	**45**	**49**	**45**	30	**48**	40	41	30	**46**	40	**46**	32	PN
R3145	Residential	NCA02	26	38	38	35	21	43	31	33	19	38	31	37	23	-
R3146	Residential	NCA02	26	32	33	31	16	37	26	28	16	36	27	33	23	-
R3147	Residential	NCA02	27	35	38	34	20	41	31	33	20	39	31	38	24	-
R3148	Residential	NCA02	37	42	**45**	**44**	27	**46**	41	42	32	**48**	40	**47**	34	-
R3149	Residential	NCA02	34	43	**45**	41	28	**45**	38	39	27	**45**	36	43	31	-
R3150	Residential	NCA02	27	38	38	35	21	43	33	34	21	39	32	37	24	-
R3151	Residential	NCA02	30	**46**	**46**	**44**	27	**52**	36	38	26	42	39	**45**	27	PN
R3152	Residential	NCA02	28	41	**45**	42	26	**47**	34	36	25	40	36	42	25	-
R3153	Residential	NCA02	35	**46**	**52**	**48**	34	**52**	41	42	30	**46**	43	**50**	32	PN
R3154	Residential	NCA02	33	43	43	41	25	**48**	38	40	28	**44**	37	43	30	-
R3155	Residential	NCA02	32	40	**46**	42	28	**46**	36	38	24	**44**	36	43	29	-
R3156	Residential	NCA02	30	37	40	37	23	40	35	37	24	42	34	41	27	-
R3157	Residential	NCA02	28	37	39	37	21	41	32	34	22	40	32	38	25	-
R3158	Residential	NCA02	30	**45**	**46**	43	26	**50**	36	38	26	42	38	**45**	27	PN
R3159	Residential	NCA02	37	43	**47**	**45**	29	**46**	42	**44**	33	**48**	40	**47**	34	-
R3160	Residential	NCA02	33	42	43	40	24	43	38	40	27	**45**	37	43	30	-
R3161	Residential	NCA02	34	**46**	**51**	**47**	34	**51**	39	41	30	**46**	42	**49**	31	PN
R3162	Residential	NCA02	31	40	**46**	42	29	**46**	37	37	24	43	37	41	28	-
R3163	Residential	NCA02	30	41	39	37	21	**46**	33	35	23	41	33	40	27	-
R3164	Residential	NCA02	37	43	**47**	43	30	**47**	40	42	31	**48**	39	**46**	34	-
R3165	Residential	NCA02	26	35	36	33	18	39	27	29	17	37	28	35	23	-
R3166	Residential	NCA02	33	**45**	**48**	**45**	30	**48**	38	41	27	**45**	40	**46**	30	-
R3167	Residential	NCA02	27	36	38	34	20	40	30	32	19	38	30	37	24	-
R3168	Residential	NCA02	23	37	38	35	21	42	28	30	19	36	29	36	20	-
R3169	Residential	NCA02	30	38	42	40	24	42	35	37	23	41	34	40	27	-
R3170	Residential	NCA02	24	38	41	37	23	**44**	29	31	18	36	32	39	21	-
R3171	Residential	NCA02	26	36	37	33	20	40	32	34	20	39	30	37	23	-
R3172	Residential	NCA02	24	34	37	33	19	38	29	31	18	36	31	38	21	-
R3173	Residential	NCA02	24	38	39	36	22	41	28	30	19	36	31	36	21	-
R3174	Residential	NCA02	23	36	37	34	20	39	27	29	17	35	29	35	20	-
R3175	Residential	NCA02	29	36	40	36	22	**44**	34	35	22	40	33	40	26	-
R3176	Residential	NCA02	30	39	40	37	24	43	35	37	24	42	34	41	27	-
R3177	Residential	NCA02	30	42	**48**	**44**	29	**48**	33	35	24	41	39	**46**	27	-
R3178	Residential	NCA02	33	**45**	**49**	**45**	31	**49**	39	40	28	**45**	40	**46**	30	PN
R3179	Residential	NCA02	29	43	**44**	43	26	**47**	35	36	25	41	36	43	26	-
R3180	Residential	NCA02	39	**44**	**49**	**46**	31	**49**	43	**45**	33	**50**	42	**49**	36	PN
R3181	Residential	NCA02	32	**44**	**50**	**47**	33	**50**	40	41	29	**44**	41	**46**	29	PN
R3182	Residential	NCA02	25	37	37	34	19	41	28	30	17	37	30	37	22	-
R3183	Residential	NCA02	24	36	37	34	20	41	26	28	17	35	30	37	21	-
R3184	Residential	NCA02	24	37	37	36	20	40	29	31	17	36	31	38	21	-
R3185	Residential	NCA02	26	37	38	35	21	41	31	33	22	38	31	37	23	-
R3186	Residential	NCA02	32	41	**44**	40	26	**44**	38	40	27	**44**	36	43	29	-
R3187	Residential	NCA02	26	34	36	33	19	39	31	33	19	38	30	36	23	-
R3188	Residential	NCA02	36	43	**47**	43	29	**47**	41	43	32	**49**	40	**46**	33	-
R3189	Residential	NCA02	31	41	43	40	25	**45**	37	39	23	42	38	42	28	-
R3190	Residential	NCA02	24	37	38	35	20	40	29	31	17	36	32	38	21	-
R3191	Residential	NCA02	33	42	**46**	42	29	**46**	39	41	28	**45**	38	**44**	30	-
R3192	Residential	NCA02	26	41	**44**	41	25	**47**	32	34	23	38	36	42	23	-
R3193	Residential	NCA02	36	41	**46**	42	29	**45**	39	41	31	**47**	38	**45**	33	-
R3194	Residential	NCA02	36	42	43	43	25	42	40	42	31	**48**	39	**46**	33	-
R3195	Residential	NCA02	26	37	38	36	20	43	31	33	19	38	32	38	23	-
R3196	Residential	NCA02	30	39	43	39	25	43	36	38	24	41	35	40	27	-
R3197	Residential	NCA02	26	35	37	35	19	40	31	33	22	38	31	37	23	-
R3198	Residential	NCA02	39	43	**49**	**45**	31	**49**	42	43	33	**50**	41	**49**	36	PN
R3199	Residential	NCA02	25	33	38	34	21	38	30	32	19	37	29	36	22	-
R3200	Residential	NCA02	28	38	39	37	21	41	32	34	22	40	34	40	25	-
R3201	Residential	NCA02	29	41	42	40	24	**46**	34	36	24	41	35	42	26	-
R3202	Residential	NCA02	32	42	**46**	43	27	**46**	38	40	28	**44**	38	43	29	-
R3203	Residential	NCA02	33	42	**45**	42	28	**45**	38	40	28	**45**	37	43	30	-
R3204	Residential	NCA02	38	43	**49**	**45**	31	**49**	41	**44**	32	**50**	40	**47**	35	PN
R3205	Residential	NCA02	27	42	**44**	42	26	**45**	33	35	24	39	36	42	24	-
R3206	Residential	NCA02	41	**45**	**49**	**46**	32	**49**	43	**45**	33	**52**	43	**50**	38	PN
R3207	Residential	NCA02	26	35	35	31	18	38	29	31	18	37	29	36	23	-
R3208	Residential	NCA02	24	36	37	34	20	39	30	32	18	36	30	37	21	-
R3209	Residential	NCA02	36	41	**44**	43	25	**44**	39	41	31	**48**	39	**46**	33	-
R3210	Residential	NCA02	34	**44**	**47**	**44**	29	**47**	37	39	29	**46**	38	**44**	31	-
R3211	Residential	NCA02	28	41	**44**	40	25	**44**	34	37	23	40	35	41	25	-
R3212	Residential	NCA02	26	41	**45**	42	26	**45**	31	32	20	38	37	43	23	-
R3213	Residential	NCA02	35	**44**	**49**	**45**	30	**49**	41	42	31	**47**	40	**46**	32	PN
R3214	Residential	NCA02	24	32	35	32	18	37	24	26	15	34	27	34	21	-
R3215	Residential	NCA02	25	39	42	38	20	43	31	32	19	37	33	37	22	-
R3216	Residential	NCA02	36	42	**48**	**44**	30	**48**	39	42	31	**48**	39	**46**	33	-
R3217	Residential	NCA02	28	42	42	40	24	**48**	32	34	20	39	36	43	25	-
R3218	Residential	NCA02	34	41	**46**	43	27	**46**	38	40	29	**46**	37	**44**	31	-
R3219	Residential	NCA02	28	37	40	37	21	41	33	35	23	40	34	41	25	-
R3220	Residential	NCA02	40	43	**49**	**45**	32	**49**	41	43	33	**52**	43	**49**	37	PN
R3221	Residential	NCA02	31	42	42	40	24	43	37	39	26	43	36	42	28	-
R3222	Residential	NCA02	28	35	38	35	21	39	33	34	21	40	31	39	25	-
R3223	Residential	NCA02	34	43	**45**	**44**	28	**47**	37	39	28	**45**	39	**46**	31	-
R3224	Residential	NCA02	30	**44**	**46**	43	27	**50**	36	38	26	42	38	**44**	27	PN
R3225	Residential	NCA02	28	43	43	41	24	**45**	34	35	24	40	34	40	25	-
R3226	Residential	NCA02	29	35	37	33	20	37	32	34	21	41	32	39	26	-
R3227	Residential	NCA02	26	37	37	34	19	40	31	34	20	37	30	36	23	-
R3228	Residential	NCA02	38	43	**48**	**45**	31	**48**	41	43	32	**49**	40	**46**	35	PN
R3229	Residential	NCA02	25	37	37	34	20	40	28	30	17	36	28	35	22	-
R3230	Residential	NCA02	36	42	**47**	**44**	30	**47**	39	41	31	**47**	38	**45**	33	-
R3231	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	39	41	29	**46**	40	**48**	32	PN
R3232	Residential	NCA02	30	42	42	41	24	**46**	35	37	23	41	37	42	27	-
R3233	Residential	NCA02	27	36	37	36	20	39	31	33	21	39	30	37	24	-
R3234	Residential	NCA02	34	40	**44**	41	26	**45**	37	39	29	**46**	37	**44**	31	-
R3235	Residential	NCA02	33	42	**45**	42	28	**46**	36	38	27	**45**	37	43	30	-
R3236	Residential	NCA02	33	43	**49**	**45**	30	**49**	39	40	29	**45**	39	**45**	30	PN
R3237	Residential	NCA02	25	33	35	32	18	39	26	29	15	35	27	34	22	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3238	Residential	NCA02	34	**44**	**49**	**46**	30	**49**	38	40	29	**46**	40	**47**	31	PN
R3239	Residential	NCA02	33	**44**	**47**	43	30	**47**	39	40	30	**45**	38	**45**	30	-
R3240	Residential	NCA02	36	40	**46**	43	29	**46**	38	40	30	**47**	38	**45**	33	-
R3241	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	40	42	31	**47**	41	**48**	32	PN
R3242	Residential	NCA02	27	34	37	34	20	41	32	34	21	40	31	38	24	-
R3243	Residential	NCA02	36	43	**48**	**45**	30	**47**	41	43	32	**48**	40	**47**	33	-
R3244	Residential	NCA02	34	43	**48**	**44**	30	**48**	38	40	29	**45**	39	**45**	31	-
R3245	Residential	NCA02	27	39	40	38	22	42	33	34	21	39	34	40	24	-
R3246	Residential	NCA02	24	30	33	30	16	35	25	29	14	36	27	34	21	-
R3247	Residential	NCA02	32	41	43	41	26	**44**	33	35	25	**44**	35	42	29	-
R3248	Residential	NCA02	35	41	**45**	43	27	**44**	40	42	31	**47**	38	**45**	32	-
R3249	Residential	NCA02	25	34	37	35	19	40	28	30	17	36	30	38	22	-
R3250	Residential	NCA02	33	43	**48**	**44**	30	**48**	37	39	25	**44**	39	**44**	30	-
R3251	Residential	NCA02	29	39	39	36	21	**44**	34	36	24	41	33	39	26	-
R3252	Residential	NCA02	31	42	42	40	25	**47**	36	38	25	42	35	41	28	-
R3253	Residential	NCA02	29	41	**46**	43	30	**47**	34	36	24	41	38	**45**	26	-
R3254	Residential	NCA02	36	42	43	**44**	25	42	40	42	31	**47**	39	**46**	33	-
R3255	Residential	NCA02	26	35	36	33	19	38	30	32	19	38	29	36	23	-
R3256	Residential	NCA02	27	37	39	36	21	40	32	34	23	39	31	38	24	-
R3257	Industrial	NCA02	36	44	49	47	31	49	40	42	30	47	41	46	33	-
R3258	Residential	NCA02	32	**44**	**46**	41	26	**46**	36	37	24	43	36	42	29	-
R3259	Residential	NCA02	27	38	39	36	21	40	30	33	20	39	31	37	24	-
R3260	Residential	NCA02	22	38	37	36	19	41	26	28	18	34	30	35	19	-
R3261	Residential	NCA02	28	39	39	37	22	**44**	33	35	22	40	33	40	25	-
R3262	Residential	NCA02	29	36	41	37	24	41	34	34	23	41	33	40	26	-
R3263	Residential	NCA02	33	42	**45**	41	28	**45**	38	40	28	**44**	37	**44**	30	-
R3264	Residential	NCA02	32	42	**45**	41	27	**44**	38	39	27	**44**	37	42	29	-
R3265	Residential	NCA02	28	41	42	40	24	**46**	32	34	22	40	35	42	25	-
R3266	Residential	NCA02	36	41	42	**44**	25	42	40	41	31	**47**	38	**45**	33	-
R3267	Residential	NCA02	26	35	37	35	19	39	31	33	20	39	30	37	23	-
R3268	Residential	NCA02	25	41	**46**	41	28	**46**	28	31	18	35	35	42	22	-
R3269	Residential	NCA02	26	36	37	37	20	37	31	33	21	38	31	38	23	-
R3270	Residential	NCA02	30	43	43	39	25	**48**	37	38	25	42	35	41	27	-
R3271	Residential	NCA02	28	39	41	39	23	43	34	36	24	40	35	43	25	-
R3272	Residential	NCA02	32	43	**44**	42	27	**45**	36	38	25	**44**	36	42	29	-
R3273	Residential	NCA02	24	33	36	32	19	38	27	29	15	35	26	34	21	-
R3274	Residential	NCA02	29	43	**45**	41	26	**50**	35	37	24	41	36	42	26	PN
R3275	Residential	NCA02	31	40	**44**	40	24	**44**	36	38	26	43	35	42	28	-
R3276	Residential	NCA02	23	29	33	29	17	35	25	27	16	35	26	33	20	-
R3277	Residential	NCA02	30	38	42	38	23	42	34	36	23	42	33	40	27	-
R3278	Residential	NCA02	26	37	38	36	21	40	32	34	22	38	31	38	23	-
R3279	Residential	NCA02	27	36	38	36	20	42	32	34	20	39	31	38	24	-
R3280	Residential	NCA02	22	35	36	34	19	38	29	31	16	34	29	35	19	-
R3281	Residential	NCA02	32	40	**44**	40	25	**44**	38	39	27	43	36	43	29	-
R3282	Residential	NCA02	26	37	37	34	19	41	30	32	19	37	29	35	23	-
R3283	Residential	NCA02	31	39	**45**	41	28	**45**	31	33	23	42	36	40	28	-
R3284	Residential	NCA02	37	42	**47**	**44**	26	**47**	40	42	31	**48**	39	**46**	34	-
R3285	Residential	NCA02	30	43	**44**	41	24	**47**	37	39	25	42	37	41	27	-
R3286	Residential	NCA02	32	41	**46**	42	27	**46**	37	39	26	43	37	**44**	29	-
R3287	Residential	NCA02	25	36	37	33	20	41	28	30	17	36	30	37	22	-
R3288	Residential	NCA02	29	38	**44**	40	27	**44**	32	35	20	41	34	40	26	-
R3289	Residential	NCA02	35	41	**46**	42	29	**46**	38	40	29	**46**	37	**44**	32	-
R3290	Residential	NCA02	25	38	36	36	19	41	29	31	17	37	28	35	22	-
R3291	Residential	NCA02	28	40	42	40	24	**44**	33	36	23	40	35	41	25	-
R3292	Residential	NCA02	27	38	42	38	21	42	33	35	22	40	35	42	24	-
R3293	Residential	NCA02	26	37	38	34	20	40	30	32	18	38	29	37	23	-
R3294	Residential	NCA02	24	34	35	32	18	38	28	30	16	36	27	34	21	-
R3295	Residential	NCA02	28	41	40	38	22	**48**	33	37	21	39	32	39	25	-
R3296	Residential	NCA02	23	32	35	32	18	37	26	28	16	35	28	35	20	-
R3297	Active recreation	NCA02	32	43	45	43	25	47	38	39	27	44	37	43	29	-
R3298	Residential	NCA02	38	43	**48**	**45**	31	**48**	41	43	32	**49**	40	**47**	35	PN
R3299	Residential	NCA02	28	39	40	38	21	43	34	36	23	40	34	40	25	-
R3300	Residential	NCA02	37	43	**49**	**45**	31	**49**	42	**44**	32	**49**	41	**48**	34	PN
R3301	Residential	NCA02	34	43	**49**	**45**	31	**49**	38	40	29	**45**	39	**45**	31	PN
R3302	Residential	NCA02	35	41	42	42	24	43	39	41	29	**46**	38	**45**	32	-
R3303	Residential	NCA02	36	42	**47**	**44**	30	**47**	40	42	31	**48**	39	**45**	33	-
R3304	Residential	NCA02	35	41	**47**	42	28	**46**	39	41	30	**46**	38	**45**	32	-
R3305	Residential	NCA02	28	39	40	36	22	43	34	36	22	40	33	40	25	-
R3306	Residential	NCA02	26	36	37	35	20	40	30	32	19	37	29	36	23	-
R3307	Residential	NCA02	37	41	**47**	**44**	29	**47**	39	42	31	**48**	39	**46**	34	-
R3308	Residential	NCA02	35	42	**48**	**44**	31	**48**	39	41	30	**46**	39	**46**	32	-
R3309	Residential	NCA02	32	42	**46**	43	26	**47**	37	39	27	43	37	43	29	-
R3310	Residential	NCA02	36	41	**46**	42	28	**46**	39	41	30	**47**	38	**45**	33	-
R3311	Residential	NCA02	34	40	**46**	42	28	**46**	39	41	30	**46**	38	**44**	31	-
R3312	Residential	NCA02	34	43	**47**	43	30	**47**	37	39	28	**46**	38	**45**	31	-
R3313	Residential	NCA02	26	41	40	39	22	**45**	30	32	19	38	31	37	23	-
R3314	Residential	NCA02	37	43	**49**	**45**	32	**49**	41	43	32	**48**	40	**47**	34	PN
R3315	Residential	NCA02	25	32	36	32	20	38	29	31	17	37	28	35	22	-
R3316	Residential	NCA02	27	39	42	38	23	42	33	35	22	40	33	40	24	-
R3317	Residential	NCA02	35	40	41	43	24	41	39	41	29	**46**	38	**44**	32	-
R3318	Residential	NCA02	34	41	**47**	43	29	**47**	39	41	29	**45**	38	**45**	31	-
R3319	Residential	NCA02	34	41	**47**	43	29	**47**	38	40	29	**46**	38	**44**	31	-
R3320	Residential	NCA02	30	**44**	**45**	43	26	**49**	35	37	26	41	38	**44**	27	PN
R3321	Residential	NCA02	27	42	**44**	41	26	**46**	33	35	24	39	35	42	24	-
R3322	Residential	NCA02	31	40	**45**	42	28	**45**	35	37	25	42	36	43	28	-
R3323	Residential	NCA02	28	39	40	37	21	43	33	35	21	40	33	40	25	-
R3324	Residential	NCA02	25	37	35	32	18	40	30	32	20	37	29	36	22	-
R3325	Residential	NCA02	33	39	42	38	24	**45**	35	37	26	**44**	35	42	30	-
R3326	Residential	NCA02	35	42	**49**	**44**	30	**48**	40	42	31	**47**	39	**46**	32	-
R3327	Residential	NCA02	34	41	**45**	41	28	**45**	36	38	27	**45**	37	43	31	-
R3328	Residential	NCA02	26	35	36	33	19	41	30	32	19	38	29	36	23	-
R3329	Residential	NCA02	26	32	34	30	17	38	26	28	17	37	28	35	23	-
R3330	Residential	NCA02	27	35	37	35	20	41	32	32	21	40	31	38	24	-
R3331	Residential	NCA02	39	42	**48**	**44**	29	**48**	40	42	32	**49**	41	**48**	36	PN
R3332	Residential	NCA02	23	35	36	33	18	38	27	29	15	35	27	34	20	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3333	Residential	NCA02	27	33	35	33	17	35	32	34	21	39	30	37	24	-
R3334	Residential	NCA02	32	42	**47**	43	29	**47**	37	39	26	**44**	38	**45**	29	-
R3335	Residential	NCA02	32	42	**46**	42	26	**46**	37	39	27	43	37	43	29	-
R3336	Residential	NCA02	33	42	**49**	**45**	30	**49**	35	37	27	**44**	40	42	30	PN
R3337	Residential	NCA02	25	32	35	32	18	37	29	31	19	37	28	35	22	-
R3338	Residential	NCA02	28	38	40	36	21	**44**	33	35	21	40	32	39	25	-
R3339	Industrial	NCA02	34	43	48	44	29	48	39	40	29	46	40	45	31	-
R3340	Residential	NCA02	32	41	**47**	**44**	29	**47**	37	39	26	**44**	38	**44**	29	-
R3341	Residential	NCA02	27	41	**44**	41	25	**46**	33	35	23	39	35	42	24	-
R3342	Residential	NCA02	27	39	42	38	24	**44**	33	35	20	38	33	40	24	-
R3343	Residential	NCA02	28	40	41	38	22	**44**	34	35	23	40	34	41	25	-
R3344	Residential	NCA02	31	39	43	40	26	43	34	36	24	42	34	41	28	-
R3345	Residential	NCA02	25	34	35	31	17	40	30	32	20	37	29	36	22	-
R3346	Residential	NCA02	34	42	**46**	43	27	**47**	38	40	29	**46**	38	**44**	31	-
R3347	Residential	NCA02	33	39	41	38	24	41	36	38	28	**45**	36	43	30	-
R3348	Residential	NCA02	32	41	**44**	41	26	**45**	37	39	26	**44**	36	42	29	-
R3349	Residential	NCA02	31	38	43	39	26	43	33	35	24	42	34	40	28	-
R3350	Residential	NCA02	37	42	**46**	**44**	28	**46**	40	42	31	**48**	39	**46**	34	-
R3351	Residential	NCA02	31	38	43	40	27	43	34	36	25	42	34	41	28	-
R3352	Residential	NCA02	37	42	**48**	**44**	30	**48**	40	42	31	**48**	39	**46**	34	-
R3353	Residential	NCA02	27	35	37	35	19	40	31	33	19	39	30	37	24	-
R3354	Residential	NCA02	22	33	36	33	19	39	29	31	16	34	29	35	19	-
R3355	Residential	NCA02	28	38	41	40	21	43	33	35	23	40	35	41	25	-
R3356	Residential	NCA02	31	42	**45**	41	25	**45**	37	38	27	43	36	43	28	-
R3357	Residential	NCA02	28	40	39	36	21	**46**	34	36	23	40	33	39	25	-
R3358	Residential	NCA02	34	40	**45**	41	28	**45**	38	40	30	**46**	37	**44**	31	-
R3359	Residential	NCA02	34	40	**46**	42	29	**46**	38	40	30	**46**	37	**44**	31	-
R3360	Residential	NCA02	34	40	**46**	42	29	**46**	37	39	29	**46**	37	**44**	31	-
R3361	Residential	NCA02	26	34	36	34	19	39	30	32	19	37	29	36	23	-
R3362	Residential	NCA02	29	41	40	38	22	**44**	34	36	24	41	33	39	26	-
R3363	Residential	NCA02	26	34	37	34	20	40	31	33	18	38	30	37	23	-
R3364	Residential	NCA02	34	40	**46**	42	27	**46**	38	40	29	**46**	37	**44**	31	-
R3365	Residential	NCA02	27	37	38	37	20	41	29	31	19	39	32	39	24	-
R3366	Residential	NCA02	34	41	**45**	42	28	**45**	39	41	30	**46**	38	**44**	31	-
R3367	Residential	NCA02	29	38	41	38	24	41	35	37	23	41	33	40	26	-
R3368	Residential	NCA02	34	40	**45**	41	27	**45**	38	40	30	**46**	37	**44**	31	-
R3369	Residential	NCA02	25	36	39	35	20	39	30	32	18	36	31	38	22	-
R3370	Residential	NCA02	25	34	38	35	18	39	29	31	18	37	30	37	22	-
R3371	Residential	NCA02	28	36	38	35	20	42	31	33	19	40	31	38	25	-
R3372	Residential	NCA02	27	40	40	38	21	42	32	34	23	39	32	38	24	-
R3373	Residential	NCA02	34	39	42	40	25	**44**	36	39	28	**46**	37	43	31	-
R3374	Residential	NCA02	33	40	**45**	41	28	**45**	36	38	28	**44**	36	42	30	-
R3375	Residential	NCA02	25	35	36	34	18	39	31	33	19	37	29	35	22	-
R3376	Residential	NCA02	27	33	36	33	19	38	31	33	19	39	30	37	24	-
R3377	Residential	NCA02	28	38	39	36	21	**44**	32	34	21	40	32	39	25	-
R3378	Residential	NCA02	36	42	**48**	**44**	31	**48**	39	41	30	**47**	39	**45**	33	-
R3379	Residential	NCA02	26	35	36	33	19	39	29	31	18	36	29	36	23	-
R3380	Residential	NCA02	28	38	39	36	21	41	34	36	22	40	33	39	25	-
R3381	Residential	NCA02	31	40	**46**	42	26	**46**	33	35	24	42	37	42	28	-
R3382	Residential	NCA02	34	40	**44**	41	27	**44**	38	40	29	**45**	37	**44**	31	-
R3383	Residential	NCA02	31	38	41	38	23	42	34	36	26	43	34	41	28	-
R3384	Residential	NCA02	35	42	**48**	**44**	31	**48**	40	42	31	**47**	39	**45**	32	-
R3385	Residential	NCA02	20	32	33	30	17	38	23	25	14	32	24	31	17	-
R3386	Residential	NCA02	27	35	37	33	20	40	33	35	22	39	32	37	24	-
R3387	Residential	NCA02	38	43	**47**	**44**	30	**47**	41	42	31	**48**	41	**47**	35	-
R3388	Residential	NCA02	32	41	**47**	43	29	**47**	37	39	27	**44**	37	43	29	-
R3389	Residential	NCA02	25	34	36	32	19	42	27	29	16	37	27	34	22	-
R3390	Residential	NCA02	34	41	**47**	43	28	**47**	38	40	30	**45**	38	**44**	31	-
R3391	Residential	NCA02	20	32	36	34	19	37	27	29	15	32	29	36	17	-
R3392	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	42	37	42	28	-
R3393	Residential	NCA02	23	32	34	31	16	37	28	30	16	35	27	34	20	-
R3394	Residential	NCA02	31	41	43	42	24	**44**	35	37	24	42	37	42	28	-
R3395	Residential	NCA02	26	39	37	33	19	**44**	30	32	19	38	29	36	23	-
R3396	Residential	NCA02	36	42	**48**	**44**	30	**48**	40	42	31	**48**	39	**45**	33	-
R3397	Residential	NCA02	32	40	**45**	41	28	**46**	36	39	27	43	36	42	29	-
R3398	Residential	NCA02	32	41	**46**	42	29	**46**	35	37	24	43	36	43	29	-
R3399	Residential	NCA02	37	42	**48**	**44**	31	**48**	40	42	31	**48**	39	**46**	34	-
R3400	Residential	NCA02	38	42	**46**	**44**	28	**47**	40	42	31	**49**	40	**46**	35	PN
R3401	Residential	NCA02	31	41	**44**	40	25	**44**	37	38	27	42	36	42	28	-
R3402	Residential	NCA02	30	38	42	39	23	42	35	36	26	42	34	40	27	-
R3403	Residential	NCA02	32	40	**45**	41	28	**45**	35	37	25	43	36	43	29	-
R3404	Residential	NCA02	28	39	40	38	20	43	33	35	23	40	34	41	25	-
R3405	Residential	NCA02	33	40	**44**	41	26	**44**	37	39	29	**45**	36	43	30	-
R3406	Residential	NCA02	32	42	**46**	42	28	**46**	36	37	27	43	37	**44**	29	-
R3407	Residential	NCA02	34	41	**47**	43	29	**47**	38	41	30	**45**	38	**45**	31	-
R3408	Residential	NCA02	27	36	38	35	19	41	30	32	19	38	30	37	24	-
R3409	Residential	NCA02	29	38	38	35	21	38	34	36	23	41	32	39	26	-
R3410	Residential	NCA02	28	40	39	38	21	43	34	35	22	40	33	40	25	-
R3411	Residential	NCA02	32	43	**46**	43	29	**46**	37	39	25	43	38	42	29	-
R3412	Residential	NCA02	38	42	**48**	**44**	31	**48**	40	42	31	**49**	40	**47**	35	PN
R3413	Industrial	NCA02	32	41	45	41	26	45	35	38	27	44	35	44	29	-
R3414	Residential	NCA02	32	42	**47**	41	27	**45**	35	37	26	**44**	36	42	29	-
R3415	Residential	NCA02	26	36	37	34	19	41	30	32	19	38	29	36	23	-
R3416	Residential	NCA02	35	41	**47**	43	30	**47**	39	41	30	**46**	38	**44**	32	-
R3417	Residential	NCA02	30	41	**44**	42	26	**44**	36	38	27	42	36	43	27	-
R3418	Residential	NCA02	31	42	**44**	41	25	**44**	33	35	22	42	36	41	28	-
R3419	Residential	NCA02	29	41	43	41	23	**46**	35	37	25	41	36	43	26	-
R3420	Residential	NCA02	25	34	35	31	18	39	31	33	21	39	30	37	22	-
R3421	Residential	NCA02	37	42	**47**	**44**	30	**47**	41	43	31	**48**	40	**47**	34	-
R3422	Residential	NCA02	33	39	43	39	25	41	37	39	29	**45**	36	43	30	-
R3423	Residential	NCA02	25	34	35	32	18	37	27	29	16	37	28	35	22	-
R3424	Residential	NCA02	28	41	**44**	40	23	**46**	34	36	24	40	36	43	25	-
R3425	Residential	NCA02	30	36	39	36	21	40	35	36	25	42	34	40	27	-
R3426	Residential	NCA02	33	41	**46**	42	29	**46**	35	37	26	**44**	36	42	30	-
R3427	Residential	NCA02	27	40	38	35	20	**44**	32	35	20	38	32	38	24	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3428	Residential	NCA02	34	42	**46**	43	29	**46**	38	40	29	**46**	38	**44**	31	-
R3429	Residential	NCA02	29	34	36	34	19	38	32	34	22	41	32	39	26	-
R3430	Residential	NCA02	39	42	**47**	**45**	30	**47**	41	43	31	**50**	41	**48**	36	PN
R3431	Residential	NCA02	29	34	36	33	18	38	32	34	22	40	31	38	26	-
R3432	Residential	NCA02	35	42	**45**	43	25	**44**	40	42	30	**46**	38	**45**	32	-
R3433	Residential	NCA02	32	40	41	39	24	41	33	35	25	42	33	40	29	-
R3434	Residential	NCA02	30	38	41	38	25	41	34	36	24	42	33	40	27	-
R3435	Residential	NCA02	28	37	40	36	21	43	33	35	20	40	32	39	25	-
R3436	Residential	NCA02	37	42	**48**	**44**	31	**48**	40	42	31	**48**	39	**46**	34	-
R3437	Residential	NCA02	24	34	36	33	19	41	30	32	18	36	29	35	21	-
R3438	Residential	NCA02	35	41	**47**	43	29	**47**	39	41	30	**47**	38	**45**	32	-
R3439	Residential	NCA02	28	38	41	39	21	43	33	35	24	40	34	42	25	-
R3440	Residential	NCA02	26	36	38	34	21	39	26	28	18	37	30	38	23	-
R3441	Residential	NCA02	27	42	42	38	23	**45**	32	34	20	39	34	42	24	-
R3442	Residential	NCA02	27	35	37	36	19	40	32	34	19	39	31	38	24	-
R3443	Residential	NCA02	28	36	40	36	21	41	33	35	21	40	32	39	25	-
R3444	Residential	NCA02	29	40	43	39	25	**45**	34	36	23	40	35	41	26	-
R3445	Residential	NCA02	35	41	**45**	43	29	**46**	40	42	30	**47**	39	**45**	32	-
R3446	Residential	NCA02	26	38	43	39	26	43	28	29	19	38	34	37	23	-
R3447	Residential	NCA02	27	34	37	34	20	39	31	33	20	39	31	38	24	-
R3448	Residential	NCA02	32	41	**45**	42	25	**45**	36	38	27	**44**	37	42	29	-
R3449	Residential	NCA02	25	38	39	38	21	**44**	33	33	21	38	33	40	22	-
R3450	Residential	NCA02	33	41	**46**	42	28	**46**	37	39	28	**44**	37	**44**	30	-
R3451	Residential	NCA02	29	35	41	37	24	41	31	33	23	40	32	39	26	-
R3452	Residential	NCA02	34	40	**46**	42	29	**46**	38	40	29	**46**	37	**44**	31	-
R3453	Residential	NCA02	26	40	40	38	22	**44**	31	33	19	38	34	41	23	-
R3454	Residential	NCA02	37	41	**44**	41	26	**44**	38	40	28	**49**	40	**46**	34	-
R3455	Residential	NCA02	23	28	32	29	16	33	25	27	15	33	24	31	20	-
R3456	Residential	NCA02	26	35	36	32	19	39	29	31	18	37	29	36	23	-
R3457	Residential	NCA02	34	40	**46**	42	27	**46**	38	40	29	**45**	37	43	31	-
R3458	Residential	NCA02	28	37	38	35	19	40	32	34	19	40	31	38	25	-
R3459	Residential	NCA02	34	41	**47**	43	30	**47**	38	39	29	**45**	38	**44**	31	-
R3460	Residential	NCA02	30	38	41	38	24	43	36	38	25	42	33	40	27	-
R3461	Residential	NCA02	30	37	39	37	22	41	36	37	24	42	35	41	27	-
R3462	Residential	NCA02	24	36	35	31	18	38	27	29	17	36	27	34	21	-
R3463	Residential	NCA02	19	31	35	32	18	37	24	26	13	31	26	33	16	-
R3464	Residential	NCA02	28	37	37	35	20	41	33	35	22	40	32	39	25	-
R3465	Residential	NCA02	23	40	40	37	21	**45**	31	33	17	35	33	40	20	-
R3466	Residential	NCA02	37	42	**48**	43	30	**48**	40	42	30	**49**	40	**47**	34	PN
R3467	Residential	NCA02	31	40	**45**	41	27	**45**	35	37	27	42	35	42	28	-
R3468	Residential	NCA02	35	42	**47**	43	29	**47**	38	41	30	**47**	38	**45**	32	-
R3469	Residential	NCA02	35	40	**47**	42	29	**46**	38	40	29	**46**	37	**44**	32	-
R3470	Residential	NCA02	31	40	**44**	41	27	**44**	35	37	26	43	36	41	28	-
R3471	Residential	NCA02	34	42	**48**	**44**	31	**48**	39	41	31	**46**	38	**45**	31	-
R3472	Residential	NCA02	23	38	37	34	19	**44**	28	30	16	34	29	35	20	-
R3473	Residential	NCA02	29	37	40	36	21	43	34	36	23	41	33	39	26	-
R3474	Residential	NCA02	22	31	34	31	17	36	26	28	16	34	27	33	19	-
R3475	Residential	NCA02	37	41	**44**	42	25	**44**	38	40	27	**48**	39	**46**	34	-
R3476	Residential	NCA02	27	40	**47**	43	29	**47**	32	34	22	40	36	39	24	-
R3477	Residential	NCA02	26	32	35	32	18	35	31	33	20	38	30	36	23	-
R3478	Residential	NCA02	34	41	**46**	43	27	**46**	38	40	29	**46**	37	**44**	31	-
R3479	Residential	NCA02	20	28	32	28	15	33	22	24	12	31	23	30	17	-
R3480	Residential	NCA02	31	40	**45**	41	27	**45**	36	37	26	43	35	42	28	-
R3481	Residential	NCA02	35	41	**46**	42	29	**46**	40	41	30	**46**	38	**45**	32	-
R3482	Residential	NCA02	37	42	**47**	**44**	30	**47**	41	42	30	**48**	40	**46**	34	-
R3483	Residential	NCA02	34	40	**45**	41	25	**45**	36	38	28	**45**	36	43	31	-
R3484	Residential	NCA02	35	41	**46**	42	29	**46**	38	40	29	**46**	37	**45**	32	-
R3485	Residential	NCA02	29	38	40	38	21	**44**	34	36	23	41	33	40	26	-
R3486	Residential	NCA02	33	40	**45**	41	25	**45**	36	38	28	**44**	36	43	30	-
R3487	Industrial	NCA02	32	40	47	43	26	47	36	38	27	44	37	44	29	-
R3488	Residential	NCA02	31	38	43	40	26	43	34	36	24	43	34	41	28	-
R3489	Residential	NCA02	30	41	43	40	26	**44**	36	38	25	42	37	42	27	-
R3490	Residential	NCA02	22	32	34	31	17	37	26	28	16	34	26	32	19	-
R3491	Residential	NCA02	29	38	38	37	20	43	34	36	23	41	34	40	26	-
R3492	Residential	NCA02	28	41	38	36	20	**46**	33	35	23	40	33	39	25	-
R3493	Residential	NCA02	29	37	40	37	21	41	33	35	22	41	32	39	26	-
R3494	Residential	NCA02	36	42	**47**	43	30	**47**	39	41	31	**47**	39	**46**	33	-
R3495	Residential	NCA02	28	36	36	33	19	41	33	35	22	40	32	39	25	-
R3496	Residential	NCA02	34	40	**46**	42	27	**46**	38	39	29	**46**	37	43	31	-
R3497	Residential	NCA02	27	37	38	34	19	43	32	34	21	39	31	38	24	-
R3498	Residential	NCA02	33	37	40	37	22	41	31	33	23	**44**	35	41	30	-
R3499	Residential	NCA02	32	41	**47**	43	30	**47**	34	36	26	43	38	**45**	29	-
R3500	Residential	NCA02	28	34	36	33	19	37	32	34	20	40	31	38	25	-
R3501	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	43	37	42	28	-
R3502	Residential	NCA02	27	34	37	34	18	39	33	34	21	39	31	38	24	-
R3503	Residential	NCA02	38	42	**47**	**44**	30	**47**	41	43	31	**49**	40	**47**	35	PN
R3504	Residential	NCA02	32	42	**44**	41	26	**44**	36	38	27	**44**	36	42	29	-
R3505	Residential	NCA02	30	39	42	39	24	42	35	37	26	42	34	41	27	-
R3506	Residential	NCA02	28	38	38	34	19	38	32	33	22	40	31	37	25	-
R3507	Residential	NCA02	38	42	**47**	43	30	**47**	40	42	31	**49**	40	**47**	35	PN
R3508	Residential	NCA02	26	34	36	33	18	39	31	33	18	38	30	37	23	-
R3509	Residential	NCA02	29	40	**45**	41	27	**44**	36	36	24	40	35	42	26	-
R3510	Residential	NCA02	28	38	39	36	19	**45**	34	36	23	40	33	39	25	-
R3511	Residential	NCA02	29	36	40	35	20	40	34	36	23	41	33	39	26	-
R3512	Residential	NCA02	26	35	37	33	19	39	32	34	21	39	31	38	23	-
R3513	Residential	NCA02	32	39	43	41	26	**44**	37	39	29	**44**	36	43	29	-
R3514	Residential	NCA02	24	32	34	32	16	36	28	30	16	36	28	35	21	-
R3515	Residential	NCA02	27	35	37	34	19	40	30	32	19	38	30	36	24	-
R3516	Residential	NCA02	27	34	37	34	18	38	32	34	22	39	31	37	24	-
R3517	Residential	NCA02	33	39	41	41	24	42	37	39	28	**44**	36	43	30	-
R3518	Residential	NCA02	22	32	35	31	15	35	23	25	14	34	26	32	19	-
R3519	Residential	NCA02	31	42	**47**	42	29	**47**	36	38	26	43	38	43	28	-
R3520	Residential	NCA02	33	39	43	41	26	43	37	39	29	**45**	36	43	30	-
R3521	Residential	NCA02	30	40	43	39	24	43	35	37	24	42	34	41	27	-
R3522	Residential	NCA02	27	33	34	32	17	38	31	33	22	39	30	37	24	-

Predicted construction noise levels: OOHW Period 1 (Day)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R3523	Residential	NCA02	29	36	42	38	25	42	29	31	20	41	32	38	26	-
R3524	Residential	NCA02	27	33	35	32	18	41	31	33	19	38	29	36	24	-
R3525	Residential	NCA02	30	39	41	40	21	41	34	36	23	41	35	41	27	-
R3526	Residential	NCA02	31	41	43	39	25	**44**	35	37	27	43	35	42	28	-
R3527	Residential	NCA02	32	38	43	39	26	42	36	38	27	43	35	42	29	-
R3528	Residential	NCA02	29	37	41	37	24	41	34	34	22	41	32	39	26	-
R3529	Residential	NCA02	29	37	40	38	24	40	34	35	23	40	32	39	26	-
R3530	Residential	NCA02	32	41	**45**	41	27	**45**	37	39	27	**44**	36	42	29	-
R3531	Residential	NCA02	29	38	40	38	23	42	35	37	26	41	33	40	26	-
R3532	Residential	NCA02	35	41	**47**	42	29	**46**	39	41	30	**47**	38	**45**	32	-
R3533	Residential	NCA02	23	35	36	32	19	41	28	30	17	35	27	34	20	-
R3534	Residential	NCA02	30	40	**44**	41	26	**44**	36	37	24	42	35	41	27	-
R3535	Residential	NCA02	32	39	**44**	40	26	**45**	34	36	26	43	35	41	29	-
R3536	Residential	NCA02	28	40	40	38	22	**45**	34	36	22	40	34	40	25	-
R3537	Residential	NCA02	32	38	41	38	24	41	36	38	26	43	35	41	29	-
R3538	Residential	NCA02	28	37	42	39	25	42	25	26	16	40	34	40	25	-
R3539	Residential	NCA02	33	41	**46**	40	27	**46**	37	39	27	**44**	36	42	30	-
R3540	Residential	NCA02	26	34	36	35	20	38	31	33	19	38	30	35	23	-
R3541	Residential	NCA02	35	40	43	39	23	43	35	37	26	**46**	37	43	32	-
R3542	Residential	NCA02	26	37	37	34	19	41	31	33	20	38	30	36	23	-
R3543	Residential	NCA02	28	41	**45**	41	27	**45**	34	36	23	40	37	43	25	-
R3544	Residential	NCA02	29	37	42	36	22	39	33	36	22	40	32	39	26	-
R3545	Residential	NCA02	27	40	43	40	24	43	35	37	25	39	36	42	24	-
R3546	Residential	NCA02	25	34	35	32	17	38	29	31	17	36	28	35	22	-
R3547	Residential	NCA02	27	35	36	35	18	38	31	33	20	38	31	37	24	-
R3548	Industrial	NCA02	29	42	48	44	28	48	31	33	23	40	39	43	26	-
R3549	Residential	NCA02	27	35	34	32	17	42	32	34	21	39	31	37	24	-
R3550	Residential	NCA02	30	35	39	37	20	39	33	35	24	42	33	40	27	-
R3551	Residential	NCA02	27	36	42	38	21	42	32	34	22	39	30	40	24	-
R3552	Residential	NCA02	31	37	41	38	23	41	36	38	25	42	35	40	28	-
R3553	Residential	NCA02	30	39	43	39	24	43	35	37	25	42	34	41	27	-
R3554	Residential	NCA02	24	33	34	31	16	34	31	33	22	36	30	37	21	-
R3555	Residential	NCA02	29	37	42	38	24	41	34	36	23	40	33	39	26	-
R3556	Residential	NCA02	32	39	41	40	23	41	35	37	26	**44**	36	42	29	-
R3557	Residential	NCA02	31	38	**44**	40	25	**44**	36	38	27	43	35	42	28	-
R3558	Residential	NCA02	26	37	36	34	18	40	30	31	19	37	28	35	23	-
R3559	Residential	NCA02	28	34	35	31	18	35	31	33	21	40	31	38	25	-
R3560	Residential	NCA02	28	35	36	34	20	38	32	35	24	40	31	38	25	-
R3561	Residential	NCA02	34	39	43	40	26	43	38	40	29	**46**	37	**44**	31	-
R3562	Residential	NCA02	26	37	37	34	19	42	33	35	21	37	31	37	23	-
R3563	Residential	NCA02	31	40	43	40	26	43	34	37	25	42	36	41	28	-
R3564	Residential	NCA02	29	40	38	38	21	43	34	36	24	40	34	41	26	-
R3565	Residential	NCA02	31	40	**45**	41	27	**45**	34	36	25	43	36	41	28	-
R3566	Residential	NCA02	27	34	34	33	18	35	32	34	22	39	31	38	24	-
R3567	Residential	NCA02	32	39	**44**	40	26	**44**	37	39	28	**44**	36	43	29	-
R3568	Residential	NCA02	31	39	43	39	26	43	32	35	25	43	34	41	28	-
R3569	Residential	NCA02	31	36	38	34	21	37	31	33	24	42	33	40	28	-
R3570	Residential	NCA02	31	37	43	39	25	43	35	37	26	43	34	41	28	-
R3571	Residential	NCA02	29	34	36	35	19	36	32	35	22	40	32	39	26	-
R3572	Residential	NCA02	29	39	42	40	23	43	35	36	25	41	35	41	26	-
R3573	Residential	NCA02	32	40	**45**	41	27	**45**	36	38	27	43	35	42	29	-
R3574	Residential	NCA02	26	32	34	33	17	38	30	31	21	37	29	35	23	-
R3575	Residential	NCA02	28	35	35	37	18	36	33	35	24	40	32	39	25	-
R3576	Residential	NCA02	19	30	33	30	16	35	23	25	14	30	24	31	16	-
R3577	Residential	NCA02	30	36	38	34	21	38	32	34	24	42	33	40	27	-
R3578	Residential	NCA02	31	37	43	39	24	43	34	36	25	43	34	41	28	-
R3579	Residential	NCA02	33	39	**45**	41	23	**45**	37	39	28	**44**	36	43	30	-
R3580	Residential	NCA02	28	34	38	34	19	38	31	32	21	40	31	38	25	-
R3581	Residential	NCA02	28	39	40	37	22	**44**	33	35	22	40	32	39	25	-
R3582	Residential	NCA02	29	39	40	38	22	**44**	35	37	25	41	34	40	26	-
R3583	Residential	NCA02	30	36	42	39	25	42	31	33	21	41	33	39	27	-
R3584	Residential	NCA02	30	40	43	41	25	43	34	36	25	41	36	43	27	-
R3585	Residential	NCA02	31	37	43	39	25	43	35	37	26	42	34	41	28	-
R3586	Residential	NCA02	31	37	37	33	19	37	31	33	23	43	34	41	28	-
R3587	Residential	NCA02	29	35	38	34	21	38	28	29	19	41	32	39	26	-
R3588	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	43	37	41	28	-
R3589	Residential	NCA02	29	36	42	38	22	42	33	35	24	41	32	39	26	-
R3590	Residential	NCA02	27	38	40	36	23	40	32	34	23	39	31	37	24	-
R3591	Residential	NCA02	31	41	**46**	42	28	**46**	35	37	26	43	36	42	28	-
R3592	Residential	NCA02	31	40	**45**	41	27	**45**	34	36	26	42	35	42	28	-
R3593	Residential	NCA02	29	40	**45**	41	25	**45**	35	36	25	41	36	43	26	-
R3594	Residential	NCA02	30	41	**46**	42	28	**46**	36	37	27	42	36	42	27	-
R3595	Residential	NCA02	33	40	**44**	41	26	**44**	37	39	29	**45**	37	43	30	-
R3596	Residential	NCA02	29	34	38	34	18	40	33	33	22	40	31	38	26	-
R3597	Residential	NCA02	31	37	43	39	25	43	33	35	25	42	34	40	28	-
R3598	Residential	NCA02	21	40	**44**	41	27	**44**	24	25	14	33	36	41	18	-
R3599	Residential	NCA02	28	37	39	36	22	39	29	31	19	39	32	39	25	-
R3600	Residential	NCA02	28	35	39	35	19	39	33	33	22	40	31	38	25	-
R3601	Residential	NCA02	30	38	43	39	25	43	35	37	25	42	35	40	27	-
R3602	Residential	NCA02	32	39	**44**	40	26	**44**	36	38	28	43	35	42	29	-
R3603	Residential	NCA02	29	36	40	37	22	40	33	33	21	40	33	38	26	-
R3604	Residential	NCA02	28	37	42	37	23	42	34	36	23	39	32	38	25	-
R3605	Residential	NCA02	30	39	42	39	24	43	34	36	25	42	33	40	27	-
R3606	Residential	NCA02	29	37	40	36	22	39	32	35	23	41	32	39	26	-
R3607	Residential	NCA02	29	37	42	38	24	42	32	34	23	40	33	39	26	-
R3608	Residential	NCA02	28	36	39	37	22	39	33	35	23	40	32	38	25	-
R3609	Residential	NCA02	29	35	39	36	23	40	32	34	24	41	32	39	26	-
R3610	Residential	NCA02	28	38	42	39	24	42	33	35	24	40	33	39	25	-
R3611	Residential	NCA02	28	38	40	39	22	41	32	34	23	40	34	38	25	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0001	Residential	NCA03	31	40	41	37	21	41	34	36	24	**46**	38	**46**	28	-
R0002	Residential	NCA03	34	38	42	38	24	42	34	36	25	42	37	**44**	31	-
R0003	Residential	NCA03	32	39	42	38	24	42	35	37	25	**46**	37	**44**	29	-
R0004	Residential	NCA03	32	38	42	38	23	42	35	36	25	**45**	38	**44**	29	-
R0005	Residential	NCA03	35	40	42	38	23	41	35	37	25	**46**	39	**46**	32	-
R0006	Residential	NCA03	32	39	42	38	23	42	34	36	25	**44**	38	**45**	29	-
R0007	Residential	NCA03	31	40	41	38	23	42	34	36	25	**44**	38	**45**	28	-
R0008	Residential	NCA03	30	40	42	38	23	42	35	36	25	**44**	39	**45**	27	-
R0009	Residential	NCA03	32	41	42	38	23	42	34	36	25	**44**	40	**46**	29	-
R0010	Residential	NCA03	31	40	42	38	24	42	34	37	25	**45**	39	**45**	28	-
R0011	Residential	NCA03	34	39	**43**	39	25	**43**	36	38	27	**45**	38	**44**	31	-
R0012	Residential	NCA03	29	41	42	38	24	42	35	36	25	**45**	39	**46**	26	-
R0013	Residential	NCA03	29	39	42	38	23	42	34	36	25	39	37	**44**	26	-
R0014	Residential	NCA03	33	40	**43**	39	25	**43**	36	38	27	**44**	37	**44**	30	-
R0015	Residential	NCA03	30	40	42	38	23	42	34	36	24	**45**	39	**46**	27	-
R0016	Residential	NCA03	36	42	**43**	39	24	**43**	36	38	26	**46**	40	**46**	33	-
R0017	Residential	NCA03	34	38	42	38	24	42	35	36	25	**43**	35	42	31	-
R0018	Residential	NCA03	33	41	42	38	24	42	35	36	25	**45**	40	**47**	30	-
R0019	Residential	NCA03	33	39	**43**	39	25	**43**	35	37	27	**44**	37	**44**	30	-
R0020	Residential	NCA03	30	39	42	38	22	42	34	36	26	42	38	**45**	27	-
R0021	Residential	NCA03	32	41	**43**	39	25	42	35	37	25	**45**	38	**44**	29	-
R0022	Residential	NCA03	34	42	41	38	23	41	34	36	25	**47**	40	**47**	31	-
R0023	Residential	NCA03	33	39	**43**	39	25	**43**	36	38	27	**44**	37	**43**	30	-
R0024	Residential	NCA03	34	41	42	38	25	42	34	36	26	**47**	40	**47**	31	-
R0025	Residential	NCA03	32	42	**43**	39	24	**43**	35	37	26	42	40	**46**	29	-
R0026	Residential	NCA03	32	40	41	37	23	40	33	35	25	**45**	38	**45**	29	-
R0027	Residential	NCA03	35	40	41	37	23	40	34	36	25	**46**	39	**46**	32	-
R0028	Residential	NCA03	33	42	42	38	23	42	35	36	25	**45**	40	**47**	30	-
R0029	Residential	NCA03	32	40	41	38	24	42	33	35	24	**46**	38	**45**	29	-
R0030	Residential	NCA03	34	41	**43**	39	25	**43**	36	38	27	**46**	39	**46**	31	-
R0031	Residential	NCA03	32	40	**43**	39	25	**43**	35	37	26	41	39	**46**	29	-
R0032	Residential	NCA03	33	41	**43**	39	24	**43**	36	37	26	**46**	40	**47**	30	-
R0033	Residential	NCA03	31	40	41	37	22	41	33	34	24	**44**	38	**44**	28	-
R0034	Residential	NCA03	32	41	**43**	39	25	**43**	36	37	27	**44**	38	**45**	29	-
R0035	Residential	NCA03	34	41	40	36	21	40	34	36	25	**46**	39	**46**	31	-
R0036	Residential	NCA03	33	41	**43**	39	25	**43**	36	38	27	**46**	39	**46**	30	-
R0037	Residential	NCA03	34	41	**43**	39	26	**44**	36	38	27	**46**	38	**45**	31	-
R0038	Residential	NCA03	32	40	**43**	39	24	**43**	36	37	27	**45**	38	**45**	29	-
R0039	Residential	NCA03	32	40	41	37	23	41	33	35	23	**45**	39	**46**	29	-
R0040	Residential	NCA03	34	42	**43**	39	25	**43**	35	37	26	**47**	39	**46**	31	-
R0041	Residential	NCA03	34	**43**	42	38	22	42	34	36	25	**43**	40	**47**	31	-
R0042	Residential	NCA03	37	42	**43**	39	24	**43**	36	38	25	**47**	40	**47**	34	-
R0043	Residential	NCA03	34	41	**44**	40	25	**44**	36	38	27	**47**	39	**46**	31	-
R0044	Residential	NCA03	33	39	**43**	39	25	42	36	38	26	**43**	37	**43**	30	-
R0045	Residential	NCA03	31	39	**43**	40	25	**43**	36	37	27	**43**	36	**43**	28	-
R0046	Residential	NCA03	33	37	41	37	23	41	34	36	24	**43**	36	**43**	30	-
R0047	Residential	NCA03	33	41	**44**	40	24	**43**	36	38	27	**46**	39	**46**	30	-
R0048	Residential	NCA03	34	42	42	38	23	41	34	36	25	41	40	**47**	31	-
R0049	Residential	NCA03	31	39	41	37	23	40	34	35	24	**44**	39	**46**	28	-
R0050	Residential	NCA03	34	41	**43**	40	25	**43**	37	39	26	**45**	39	**46**	31	-
R0051	Residential	NCA03	33	37	41	38	24	41	35	36	25	**44**	34	42	30	-
R0052	Residential	NCA03	34	41	42	38	24	42	36	38	26	**45**	38	**45**	31	-
R0053	Residential	NCA03	33	41	**43**	39	25	**43**	35	37	25	**47**	40	**47**	30	-
R0054	Residential	NCA03	35	41	**44**	40	26	**44**	36	38	27	**46**	39	**46**	32	-
R0055	Residential	NCA03	35	40	42	38	24	42	34	36	25	**47**	39	**46**	32	-
R0056	Residential	NCA03	34	42	**44**	40	26	**44**	37	39	28	**46**	40	**46**	31	-
R0057	Residential	NCA03	34	41	**43**	39	24	**43**	36	38	27	**46**	40	**47**	31	-
R0058	Residential	NCA03	33	**43**	42	38	24	42	34	36	26	**47**	41	**48**	30	PN
R0059	Residential	NCA03	33	40	**43**	39	24	**43**	36	38	26	**44**	39	**45**	30	-
R0060	Residential	NCA03	34	41	**43**	39	25	**43**	36	37	26	**47**	39	**46**	31	-
R0061	Residential	NCA03	33	42	**43**	39	25	42	36	38	27	**46**	40	**46**	30	-
R0062	Residential	NCA03	35	40	**43**	39	24	**43**	35	37	26	**46**	38	**45**	32	-
R0063	Residential	NCA03	35	40	**43**	39	25	**43**	36	38	26	**46**	39	**46**	32	-
R0064	Residential	NCA03	33	41	42	40	25	41	37	39	27	**45**	39	**46**	30	-
R0065	Residential	NCA03	35	42	**43**	39	24	**43**	36	38	26	**46**	40	**47**	32	-
R0066	Residential	NCA03	33	**43**	**43**	39	25	**43**	35	37	26	**48**	41	**48**	30	PN
R0067	Residential	NCA03	35	**43**	42	38	23	41	35	37	25	**47**	41	**48**	32	PN
R0068	Residential	NCA03	34	**43**	**43**	39	25	42	35	37	26	**48**	41	**48**	31	PN
R0069	Residential	NCA03	33	42	**44**	40	25	**44**	37	38	27	**47**	40	**46**	30	-
R0070	Residential	NCA03	38	**43**	35	31	18	34	27	29	19	**44**	40	**47**	35	-
R0071	Residential	NCA03	33	41	41	37	23	41	34	36	25	**46**	39	**46**	30	-
R0072	Residential	NCA03	33	32	34	31	15	34	26	28	16	37	30	37	30	-
R0073	Residential	NCA03	33	34	38	33	19	37	29	31	21	42	32	39	30	-
R0074	Residential	NCA03	36	42	**44**	40	26	**45**	37	39	27	**46**	39	**46**	33	-
R0075	Residential	NCA03	36	**43**	**45**	41	26	**45**	38	40	27	**49**	41	**48**	33	PN
R0076	Residential	NCA03	36	41	**45**	41	27	**45**	38	40	28	**47**	39	**47**	33	-
R0077	Residential	NCA03	35	42	**44**	40	25	**44**	38	39	27	**47**	39	**47**	32	-
R0078	Residential	NCA03	33	42	42	38	23	42	34	36	25	**47**	40	**47**	30	-
R0079	Residential	NCA03	31	38	41	37	23	41	33	35	25	**43**	39	**45**	28	-
R0080	Residential	NCA03	33	42	**45**	41	25	**44**	37	39	26	**46**	38	**45**	30	-
R0081	Residential	NCA03	36	**43**	**46**	42	27	**45**	38	40	28	**48**	40	**46**	33	PN
R0082	Residential	NCA03	37	37	39	35	22	39	31	33	21	41	35	42	34	-
R0083	Residential	NCA03	30	37	42	38	24	41	35	37	26	41	34	41	27	-
R0084	Residential	NCA03	36	39	40	36	22	40	32	34	23	42	36	**43**	33	-
R0085	Residential	NCA03	36	42	**43**	39	25	**43**	35	37	26	**47**	39	**46**	33	-
R0086	Residential	NCA03	33	**43**	**45**	42	27	**45**	39	40	29	**44**	39	**45**	30	-
R0087	Residential	NCA03	32	39	42	38	24	42	35	36	25	**46**	39	**46**	29	-
R0088	Residential	NCA03	29	38	39	36	22	39	32	34	24	**43**	38	**45**	26	-
R0089	Residential	NCA03	34	42	**43**	39	24	**43**	35	37	26	**47**	39	**46**	31	-
R0090	Residential	NCA03	36	41	**43**	39	25	**43**	35	37	26	**47**	40	**48**	33	PN
R0091	Residential	NCA03	33	42	**44**	41	25	**45**	37	39	27	**45**	40	**47**	30	-
R0092	Residential	NCA03	33	42	**45**	42	27	**45**	39	41	28	**48**	40	**47**	30	PN
R0093	Residential	NCA03	33	42	**43**	40	23	42	37	38	27	**46**	40	**47**	30	-
R0094	Residential	NCA03	33	40	40	36	22	40	33	35	24	**47**	39	**46**	30	-
R0095	Residential	NCA03	34	**43**	**44**	40	25	**44**	36	38	27	**47**	41	**48**	31	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0096	Residential	NCA03	33	41	**43**	40	25	**44**	36	38	27	**44**	40	**47**	30	-
R0097	Residential	NCA03	35	42	**43**	40	25	**43**	37	38	26	**47**	40	**47**	32	-
R0098	Residential	NCA03	35	**43**	**43**	40	24	42	36	38	26	**46**	41	**48**	32	PN
R0099	Residential	NCA03	34	**43**	**43**	40	25	**44**	36	38	27	**46**	40	**47**	31	-
R0100	Residential	NCA03	32	42	41	37	23	39	33	35	24	**46**	40	**47**	29	-
R0101	Residential	NCA03	35	42	41	37	23	41	34	36	25	**46**	39	**47**	32	-
R0102	Residential	NCA03	36	**44**	**45**	42	27	**45**	39	41	29	**49**	40	**47**	33	PN
R0103	Residential	NCA03	36	40	**43**	39	25	**43**	36	37	26	**47**	38	**45**	33	-
R0104	Residential	NCA03	33	40	42	38	24	42	34	36	26	**47**	39	**46**	30	-
R0105	Residential	NCA03	34	**43**	**44**	41	25	**44**	38	39	27	**47**	41	**48**	31	PN
R0106	Residential	NCA03	35	**43**	**44**	40	25	**44**	36	38	26	**46**	41	**48**	32	PN
R0107	Residential	NCA03	35	42	42	38	24	41	34	36	25	**47**	40	**47**	32	-
R0108	Residential	NCA03	37	**43**	**45**	41	26	**45**	38	40	28	**48**	40	**46**	34	PN
R0109	Residential	NCA03	39	42	**43**	39	24	41	36	37	25	**46**	40	**47**	36	-
R0110	Residential	NCA03	30	38	**43**	39	25	**43**	36	37	27	42	35	42	27	-
R0111	Residential	NCA03	34	**43**	**46**	42	27	**46**	39	41	28	**47**	41	**48**	31	PN
R0112	Residential	NCA03	35	42	**45**	41	25	**45**	37	39	28	**48**	40	**47**	32	PN
R0113	Residential	NCA03	34	35	41	37	24	41	33	35	22	42	34	41	31	-
R0114	Residential	NCA03	38	**44**	**43**	40	24	**43**	37	39	26	**48**	41	**48**	35	PN
R0115	Residential	NCA03	37	**43**	**43**	39	25	42	36	38	26	**48**	41	**48**	34	PN
R0116	Residential	NCA03	36	**43**	**45**	41	26	**43**	38	40	28	**47**	40	**47**	33	-
R0117	Residential	NCA03	35	**43**	**44**	41	26	**44**	37	39	28	**48**	41	**47**	32	PN
R0118	Residential	NCA03	35	41	42	38	24	41	35	36	26	**45**	40	**47**	32	-
R0119	Residential	NCA03	32	42	42	38	24	42	35	37	26	**45**	41	**48**	29	PN
R0120	Residential	NCA03	35	42	**44**	41	25	**44**	38	40	28	**47**	41	**48**	32	PN
R0121	Residential	NCA03	32	**43**	**45**	41	26	**45**	37	39	27	**44**	40	**48**	29	PN
R0122	Residential	NCA03	34	40	41	37	23	40	34	36	24	**43**	38	**43**	31	-
R0123	Residential	NCA03	35	41	**44**	40	26	**44**	37	39	28	**49**	40	**47**	32	PN
R0124	Residential	NCA03	36	**44**	**44**	41	25	**44**	37	39	28	**49**	41	**47**	33	PN
R0125	Residential	NCA03	35	41	**44**	40	25	**44**	37	38	27	**47**	38	**46**	32	-
R0126	Residential	NCA03	38	**46**	**46**	**43**	27	**47**	39	41	29	**48**	42	**49**	35	PN
R0127	Residential	NCA03	37	42	**46**	42	27	**45**	38	40	29	**49**	40	**47**	34	PN
R0128	Residential	NCA03	34	**43**	**44**	40	25	**43**	37	39	26	**48**	40	**47**	31	PN
R0129	Residential	NCA03	35	39	41	37	23	40	34	36	25	**45**	39	**46**	32	-
R0130	Residential	NCA03	35	**43**	**45**	41	26	**43**	37	39	27	**46**	41	**48**	32	PN
R0131	Residential	NCA03	35	**43**	**44**	41	25	**44**	37	39	28	**47**	41	**48**	32	PN
R0132	Residential	NCA03	35	**43**	**44**	40	25	**44**	37	39	27	**48**	40	**47**	32	PN
R0133	Residential	NCA03	35	**44**	**43**	39	25	**43**	36	38	27	**49**	41	**48**	32	PN
R0134	Residential	NCA03	41	**46**	**47**	**44**	28	**48**	40	42	30	**49**	42	**49**	38	PN
R0135	Residential	NCA03	33	42	41	38	23	40	34	36	25	**43**	39	**46**	30	-
R0136	Residential	NCA03	39	**44**	**43**	39	25	42	35	37	25	**47**	40	**47**	36	-
R0137	Residential	NCA03	36	**44**	**45**	41	26	**44**	38	40	28	**48**	40	**48**	33	PN
R0138	Residential	NCA03	38	**44**	**46**	42	27	**46**	39	41	29	**48**	41	**47**	35	PN
R0139	Residential	NCA03	35	**45**	**45**	41	26	**45**	38	40	27	**47**	42	**49**	32	PN
R0140	Residential	NCA03	41	**46**	**49**	**44**	28	**50**	41	**43**	30	**49**	42	**49**	38	PN
R0141	Residential	NCA03	36	**44**	**44**	40	25	**43**	36	38	27	**49**	41	**48**	33	PN
R0142	Residential	NCA03	38	**43**	**43**	39	25	42	36	38	27	**48**	42	**49**	35	PN
R0143	Residential	NCA03	35	**44**	**44**	40	25	**44**	36	38	27	**48**	42	**49**	32	PN
R0144	Residential	NCA03	38	**45**	**47**	**43**	27	**46**	39	41	29	**48**	42	**48**	35	PN
R0145	Residential	NCA03	30	36	41	37	22	39	33	35	24	40	33	39	27	-
R0146	Residential	NCA03	37	**44**	**49**	**45**	28	**48**	40	42	32	**48**	41	**48**	34	PN
R0147	Residential	NCA03	30	34	35	31	17	35	28	30	18	37	32	39	27	-
R0148	Residential	NCA03	33	41	42	38	24	42	35	36	26	**48**	41	**47**	30	PN
R0149	Residential	NCA03	36	**43**	**45**	41	26	**44**	38	40	28	**48**	41	**48**	33	PN
R0150	Residential	NCA03	39	42	41	37	23	40	33	36	25	**45**	39	**46**	36	-
R0151	Residential	NCA03	35	**44**	**43**	39	24	**43**	36	38	26	**49**	42	**49**	32	PN
R0152	Residential	NCA03	41	**46**	**49**	**43**	28	**49**	41	**43**	30	**51**	42	**49**	38	PN
R0153	Residential	NCA03	32	**43**	**46**	42	26	**46**	39	41	28	**48**	40	**47**	29	PN
R0154	Residential	NCA03	33	**43**	41	37	24	41	34	36	25	**47**	41	**48**	30	PN
R0155	Residential	NCA03	37	41	40	36	23	40	33	35	24	42	39	**44**	34	-
R0156	Residential	NCA03	34	**44**	**44**	40	24	42	36	38	26	**47**	42	**48**	31	PN
R0157	Residential	NCA03	39	**45**	**44**	40	25	42	36	38	25	**48**	41	**49**	36	PN
R0158	Residential	NCA03	35	42	**45**	41	26	**45**	38	39	28	**49**	40	**47**	32	PN
R0159	Residential	NCA03	36	**43**	**44**	39	26	**43**	36	38	27	**49**	41	**48**	33	PN
R0160	Residential	NCA03	35	**43**	**45**	41	26	**45**	38	40	28	**48**	41	**48**	32	PN
R0161	Residential	NCA03	36	**43**	**45**	41	26	**45**	37	39	28	**48**	41	**48**	33	PN
R0162	Residential	NCA03	37	40	40	36	22	39	33	35	23	**43**	39	**46**	34	-
R0163	Residential	NCA03	36	42	**44**	40	26	**44**	38	39	28	**48**	41	**48**	33	PN
R0164	Residential	NCA03	36	**44**	**43**	39	25	42	36	38	27	**49**	42	**49**	33	PN
R0165	Residential	NCA03	33	**43**	**44**	40	25	**44**	37	39	27	**48**	41	**48**	30	PN
R0166	Residential	NCA03	37	**43**	**45**	41	26	**45**	38	40	28	**49**	41	**48**	34	PN
R0167	Residential	NCA03	39	**44**	**43**	39	25	42	36	38	26	**48**	42	**49**	36	PN
R0168	Residential	NCA03	35	**43**	**45**	41	26	**45**	37	40	28	**47**	41	**48**	32	PN
R0169	Residential	NCA03	35	**44**	**44**	40	25	**44**	37	38	27	**46**	42	**48**	32	PN
R0170	Residential	NCA03	41	**46**	**49**	**43**	28	**50**	41	**43**	30	**51**	**43**	**50**	38	PN
R0171	Residential	NCA03	35	**46**	42	38	23	42	34	36	24	**49**	**43**	**50**	32	PN
R0172	Residential	NCA03	34	**44**	**43**	40	24	42	37	38	27	**46**	42	**49**	31	PN
R0173	Residential	NCA03	38	**45**	42	39	24	42	35	37	26	**48**	42	**49**	35	PN
R0174	Residential	NCA03	41	**46**	**49**	**45**	28	**49**	41	**43**	33	**51**	**43**	**50**	38	PN
R0175	Residential	NCA03	37	40	40	37	23	38	34	35	24	**45**	40	**47**	34	-
R0176	Residential	NCA03	35	42	**43**	39	25	**43**	36	37	26	**48**	39	**46**	32	PN
R0177	Residential	NCA03	41	**46**	**49**	**45**	28	**49**	41	**43**	32	**50**	**43**	**49**	38	PN
R0178	Residential	NCA03	30	**44**	**45**	42	26	**46**	39	41	27	42	40	**47**	27	-
R0179	Residential	NCA01	33	41	**47**	**43**	30	**47**	39	41	31	**45**	38	**45**	30	-
R0180	Residential	NCA03	35	**44**	**44**	40	25	**44**	36	38	27	**48**	41	**46**	32	PN
R0181	Residential	NCA03	36	**43**	42	38	24	41	34	36	26	**46**	40	**46**	33	-
R0182	Residential	NCA03	39	**46**	**49**	**45**	29	**48**	41	**43**	32	**50**	42	**49**	36	PN
R0183	Residential	NCA03	34	**44**	**44**	40	25	**43**	37	38	27	**47**	42	**49**	31	PN
R0184	Residential	NCA03	34	**45**	**45**	41	25	**45**	38	40	28	**46**	**43**	**50**	31	PN
R0185	Residential	NCA03	35	**43**	**48**	**43**	27	**47**	39	41	31	**45**	41	**48**	32	PN
R0186	Residential	NCA01	33	42	**47**	**44**	29	**47**	39	41	29	**45**	39	**46**	30	-
R0187	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	40	42	29	**50**	42	**49**	34	PN
R0188	Residential	NCA03	37	**45**	**46**	**43**	27	**46**	40	**43**	29	**50**	42	**49**	34	PN
R0189	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	**43**	32	**46**	41	**48**	32	PN
R0190	Residential	NCA03	38	**43**	**43**	40	25	**43**	37	39	27	**49**	42	**50**	35	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0191	Residential	NCA03	37	**45**	**46**	42	27	**46**	39	41	29	**50**	**43**	**49**	34	PN
R0192	Residential	NCA01	33	41	**47**	**43**	29	**47**	39	40	30	**44**	38	**45**	30	-
R0193	Residential	NCA03	36	**45**	**44**	40	26	**43**	36	38	28	**49**	**43**	**50**	33	PN
R0194	Residential	NCA03	41	**48**	**44**	41	25	**43**	37	39	27	**50**	**45**	**49**	38	PN
R0195	Residential	NCA03	37	**46**	**46**	42	27	**46**	38	40	29	**50**	**43**	**49**	34	PN
R0196	Residential	NCA01	33	41	**47**	**43**	29	**47**	39	40	29	**44**	38	**45**	30	-
R0197	Residential	NCA03	38	**47**	**48**	**45**	29	**48**	41	**43**	31	**51**	**43**	**50**	35	PN
R0198	Residential	NCA03	33	41	42	39	25	41	35	37	26	**48**	39	**47**	30	PN
R0199	Residential	NCA03	37	**45**	**47**	**43**	27	**49**	41	**43**	29	**50**	42	**49**	34	PN
R0200	Residential	NCA03	38	**45**	**43**	40	25	**43**	37	39	28	**49**	42	**49**	35	PN
R0201	Residential	NCA01	33	41	**47**	**44**	30	**47**	39	41	29	**44**	39	**46**	30	-
R0202	Residential	NCA03	38	**46**	**50**	**46**	28	**50**	41	**44**	30	**51**	**43**	**50**	35	PN
R0203	Residential	NCA03	36	**44**	**44**	40	25	**44**	37	38	27	**49**	42	**49**	33	PN
R0204	Residential	NCA01	33	**43**	**48**	**45**	30	**48**	39	40	30	**44**	40	**46**	30	PN
R0205	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	40	42	29	**50**	42	**48**	34	PN
R0206	Residential	NCA01	34	42	**47**	**44**	29	**48**	40	41	30	**45**	39	**46**	31	PN
R0207	Residential	NCA03	37	**44**	**46**	**43**	27	**46**	40	41	29	**47**	40	**47**	34	-
R0208	Residential	NCA03	35	**45**	**44**	40	25	**43**	36	38	27	**49**	**43**	**50**	32	PN
R0209	Residential	NCA01	34	42	**47**	**44**	30	**47**	40	42	31	**45**	39	**46**	31	-
R0210	Residential	NCA03	37	**43**	**45**	**43**	27	**48**	40	42	30	**50**	41	**48**	34	PN
R0211	Residential	NCA03	36	42	42	38	24	41	35	37	26	**48**	40	**46**	33	PN
R0212	Residential	NCA01	34	**43**	**48**	**45**	30	**48**	39	41	30	**45**	40	**47**	31	PN
R0213	Residential	NCA03	35	**45**	**44**	40	23	42	37	38	27	**48**	**43**	**50**	32	PN
R0214	Residential	NCA01	34	42	**48**	**45**	29	**48**	40	42	30	**45**	39	**46**	31	PN
R0215	Residential	NCA03	36	42	**46**	**43**	27	**48**	40	42	30	**48**	40	**47**	33	PN
R0216	Residential	NCA01	36	**44**	**49**	**46**	31	**49**	41	**43**	31	**47**	41	**47**	33	PN
R0217	Residential	NCA03	34	42	42	39	25	42	35	37	26	**49**	40	**47**	31	PN
R0218	Medical facility	NCA03	31	36	37	33	20	36	29	31	21	38	33	40	28	-
R0219	Residential	NCA01	33	41	**48**	**44**	28	**47**	38	40	29	**44**	39	**46**	30	PN
R0220	Residential	NCA03	36	41	**46**	42	27	**46**	38	40	28	**47**	39	**46**	33	-
R0221	Residential	NCA01	32	42	**48**	**44**	28	**48**	38	40	29	**43**	39	**45**	29	PN
R0222	Residential	NCA03	38	**44**	**43**	40	25	42	37	39	28	**48**	42	**48**	35	PN
R0223	Residential	NCA03	41	**46**	**49**	**45**	28	**48**	41	**43**	30	**50**	**43**	**50**	38	PN
R0224	Residential	NCA03	33	**43**	42	38	24	41	34	36	25	**47**	41	**48**	30	PN
R0225	Residential	NCA01	35	**43**	**49**	**46**	31	**49**	40	42	31	**45**	40	**47**	32	PN
R0226	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	39	28	**47**	42	**49**	34	PN
R0227	Residential	NCA03	36	**45**	**45**	41	27	**45**	38	40	28	**47**	**43**	**50**	33	PN
R0228	Residential	NCA03	37	**44**	41	37	23	40	34	35	25	**47**	41	**48**	34	PN
R0229	Residential	NCA03	34	**44**	42	39	24	42	36	38	27	**48**	**43**	**49**	31	PN
R0230	Residential	NCA03	35	**43**	**43**	39	26	**43**	36	38	27	**50**	42	**48**	32	PN
R0231	Residential	NCA01	33	42	**48**	**44**	30	**48**	39	41	30	**44**	39	**46**	30	PN
R0232	Medical facility	NCA03	37	40	40	37	22	39	33	35	24	45	39	46	34	-
R0233	Residential	NCA01	33	41	**48**	**44**	28	**48**	39	41	30	**45**	39	**46**	30	PN
R0234	Residential	NCA01	32	42	**48**	**44**	30	**48**	39	41	30	**43**	39	**46**	29	PN
R0235	Residential	NCA01	34	42	**48**	**45**	30	**48**	39	41	31	**45**	39	**46**	31	PN
R0236	Residential	NCA03	37	**45**	**44**	40	25	**44**	37	39	28	**49**	**43**	**50**	34	PN
R0237	Residential	NCA03	42	**47**	**50**	**45**	29	**48**	41	**43**	30	**51**	**43**	**50**	39	PN
R0238	Residential	NCA01	34	**43**	**48**	**44**	30	**48**	39	41	31	**45**	39	**46**	31	PN
R0239	Residential	NCA03	35	41	**43**	39	25	42	36	38	27	**48**	39	**46**	32	PN
R0240	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	40	29	**44**	39	**46**	30	PN
R0241	Residential	NCA01	31	40	**46**	42	29	**46**	37	39	27	**43**	37	**44**	28	-
R0242	Residential	NCA03	33	41	42	38	24	40	35	36	26	**46**	41	**46**	30	-
R0243	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	42	**44**	32	**46**	41	**48**	32	PN
R0244	Residential	NCA01	33	41	**47**	**43**	28	**47**	39	41	29	**44**	38	**45**	30	-
R0245	Residential	NCA01	32	42	**48**	**45**	30	**48**	38	40	29	**44**	39	**47**	29	PN
R0246	Residential	NCA03	35	**43**	**43**	39	25	41	36	37	26	**49**	41	**48**	32	PN
R0247	Residential	NCA01	33	42	**49**	**45**	29	**49**	39	41	30	**44**	40	**46**	30	PN
R0248	Residential	NCA01	32	41	**47**	**43**	28	**47**	38	39	27	**44**	38	**45**	29	-
R0249	Residential	NCA03	39	**48**	**50**	**44**	28	**48**	41	**43**	30	**51**	**45**	**50**	36	PN
R0250	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	**43**	32	**46**	41	**48**	32	PN
R0251	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	**43**	32	**46**	41	**48**	32	PN
R0252	Residential	NCA03	36	**43**	42	39	24	42	35	37	26	**49**	40	**47**	33	PN
R0253	Medical facility	NCA03	41	44	41	37	24	41	34	36	25	48	42	49	38	-
R0254	Residential	NCA03	36	**45**	**45**	41	26	**45**	37	39	28	**50**	**43**	**50**	33	PN
R0255	Residential	NCA01	33	**43**	**49**	**45**	30	**49**	39	41	31	**45**	40	**47**	30	PN
R0256	Residential	NCA01	29	39	**46**	42	27	**46**	34	35	23	41	37	**44**	26	-
R0257	Medical facility	NCA03	42	45	43	39	25	42	36	37	26	48	42	49	39	-
R0258	Residential	NCA03	36	**45**	**44**	40	26	**43**	37	39	28	**47**	**44**	**50**	33	PN
R0259	Residential	NCA03	40	**48**	**48**	**44**	29	**48**	40	42	31	**51**	**44**	**51**	37	PN
R0260	Residential	NCA01	36	**43**	**49**	**46**	30	**49**	41	**43**	31	**48**	41	**47**	33	PN
R0261	Residential	NCA01	34	42	**48**	**45**	29	**48**	40	42	31	**45**	39	**46**	31	PN
R0262	Residential	NCA03	38	**47**	**47**	**44**	29	**48**	40	42	31	**51**	**43**	**50**	35	PN
R0263	Residential	NCA03	35	**43**	**44**	40	26	**43**	37	39	28	**49**	**43**	**50**	32	PN
R0264	Residential	NCA01	34	**43**	**48**	**45**	30	**49**	40	42	30	**45**	40	**47**	31	PN
R0265	Residential	NCA01	31	39	**45**	41	28	**45**	37	39	24	42	36	**43**	28	-
R0266	Residential	NCA01	32	40	**47**	**43**	29	**47**	37	39	28	**43**	38	**45**	29	-
R0267	Residential	NCA01	34	**43**	**48**	**45**	30	**48**	40	42	31	**45**	40	**46**	31	PN
R0268	Residential	NCA03	35	42	**43**	39	25	42	36	38	27	**49**	41	**48**	32	PN
R0269	Residential	NCA03	31	**45**	42	38	25	41	35	37	26	**46**	42	**49**	28	PN
R0270	Residential	NCA01	34	**43**	**49**	**46**	31	**49**	40	42	31	**45**	41	**47**	31	PN
R0271	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	**43**	31	**47**	41	**48**	32	PN
R0272	Residential	NCA01	34	**44**	**50**	**46**	31	**49**	40	42	30	**46**	41	**47**	31	PN
R0273	Residential	NCA01	36	**43**	**50**	**46**	31	**49**	41	**43**	32	**47**	41	**48**	33	PN
R0274	Residential	NCA03	35	40	**43**	39	25	42	35	37	26	**47**	37	**44**	32	-
R0275	Residential	NCA03	34	38	33	31	16	33	27	29	18	41	36	**43**	31	-
R0276	Residential	NCA01	35	**44**	**50**	**46**	31	**49**	41	**43**	32	**46**	41	**48**	32	PN
R0277	Educational institute	NCA03	37	46	46	43	28	46	40	41	30	50	44	51	34	-
R0278	Residential	NCA01	32	41	**48**	**44**	30	**47**	38	40	29	**43**	39	**46**	29	PN
R0279	Residential	NCA03	39	**45**	39	36	22	39	32	34	23	**46**	42	**49**	36	PN
R0280	Residential	NCA03	35	41	**43**	40	26	**43**	37	39	28	**49**	40	**47**	32	PN
R0281	Medical facility	NCA03	40	42	39	36	22	39	32	34	23	45	39	46	37	-
R0282	Residential	NCA03	38	**45**	37	35	20	37	31	33	23	42	42	**49**	35	PN
R0283	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	40	42	31	**45**	41	**49**	32	PN
R0284	Residential	NCA01	36	**44**	**50**	**46**	32	**49**	42	**44**	33	**48**	41	**48**	33	PN
R0285	Residential	NCA01	37	**45**	**51**	**48**	33	**50**	**44**	**46**	35	**48**	42	**49**	34	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0286	Residential	NCA01	30	40	**46**	42	29	**47**	36	38	24	41	37	**44**	27	-
R0287	Medical facility	NCA03	39	41	39	36	22	39	33	34	23	46	39	46	36	-
R0288	Residential	NCA03	37	**47**	**44**	40	26	**44**	37	39	28	**51**	**44**	**51**	34	PN
R0289	Residential	NCA03	42	**44**	**43**	39	25	**43**	36	38	27	**48**	41	**48**	39	PN
R0290	Residential	NCA03	36	**44**	**44**	41	26	**44**	37	39	28	**50**	**43**	**50**	33	PN
R0291	Educational institute	NCA03	38	43	45	42	26	45	39	40	28	49	40	47	35	-
R0292	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	40	**43**	31	**46**	41	**48**	32	PN
R0293	Residential	NCA03	32	35	40	36	21	39	31	33	23	40	33	39	29	-
R0294	Residential	NCA03	41	**46**	**44**	40	26	**44**	37	38	27	**49**	**43**	**50**	38	PN
R0295	Residential	NCA01	36	**44**	**50**	**46**	31	**50**	41	**43**	31	**47**	41	**47**	33	PN
R0296	Residential	NCA01	31	39	**46**	42	28	**45**	37	39	24	40	36	**43**	28	-
R0297	Residential	NCA01	30	40	**46**	42	28	**46**	37	38	24	41	38	**44**	27	-
R0298	Residential	NCA03	36	**46**	42	38	24	41	34	36	25	**48**	**43**	**50**	33	PN
R0299	Residential	NCA01	34	**43**	**49**	**45**	30	**49**	39	41	30	**44**	40	**47**	31	PN
R0300	Residential	NCA01	30	39	**47**	**43**	29	**46**	37	38	25	42	37	**44**	27	-
R0301	Residential	NCA01	33	41	**47**	**44**	29	**47**	39	41	31	**45**	39	**46**	30	-
R0302	Educational institute	NCA03	38	47	46	42	28	46	38	40	30	50	45	52	35	-
R0303	Residential	NCA01	32	41	**47**	**43**	28	**47**	39	40	28	42	38	**45**	29	-
R0304	Residential	NCA01	33	41	**47**	**44**	28	**47**	39	41	29	**44**	39	**46**	30	-
R0305	Residential	NCA03	36	**43**	**44**	41	26	**43**	37	39	28	**50**	42	**49**	33	PN
R0306	Residential	NCA01	33	42	**47**	**44**	29	**47**	39	41	30	**44**	39	**46**	30	-
R0307	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	41	30	**44**	39	**46**	30	PN
R0308	Residential	NCA03	35	**45**	**43**	39	25	42	36	38	27	**49**	**43**	**50**	32	PN
R0309	Residential	NCA01	38	**45**	**51**	**47**	33	**49**	**43**	**45**	34	**49**	42	**49**	35	PN
R0310	Residential	NCA01	29	36	**44**	40	25	**43**	34	35	22	40	33	41	26	-
R0311	Residential	NCA03	34	42	38	34	22	38	31	33	23	**44**	40	**46**	31	-
R0312	Educational institute	NCA03	38	44	46	43	27	46	40	41	30	50	41	48	35	-
R0313	Residential	NCA01	30	40	**47**	**43**	29	**47**	36	37	26	42	38	**45**	27	-
R0314	Residential	NCA03	38	**46**	**46**	41	28	**45**	38	40	28	**50**	**45**	**52**	35	PN
R0315	Residential	NCA03	41	**45**	41	37	24	40	34	36	25	**47**	42	**49**	38	PN
R0316	Residential	NCA01	33	**44**	**50**	**46**	32	**50**	41	**43**	31	**46**	41	**48**	30	PN
R0317	Residential	NCA03	34	35	39	35	21	38	32	34	23	42	34	40	31	-
R0318	Residential	NCA01	33	**43**	**49**	**45**	31	**49**	40	42	31	**45**	40	**47**	30	PN
R0319	Residential	NCA01	37	**46**	**51**	**48**	33	**50**	**43**	**45**	34	**48**	**43**	**50**	34	PN
R0320	Residential	NCA01	33	42	**48**	**44**	29	**48**	39	40	30	**44**	39	**46**	30	PN
R0321	Residential	NCA03	34	**44**	42	38	24	41	35	37	26	**48**	**44**	**50**	31	PN
R0322	Medical facility	NCA03	36	40	40	37	23	39	33	35	23	43	39	46	33	-
R0323	Residential	NCA03	35	**43**	**44**	40	26	**43**	37	38	28	**50**	42	**48**	32	PN
R0324	Residential	NCA01	37	**45**	**51**	**48**	33	**52**	**43**	**45**	34	**47**	**43**	**49**	34	PN
R0325	Residential	NCA03	35	**43**	**43**	39	25	42	36	38	27	**49**	42	**50**	32	PN
R0326	Residential	NCA01	34	**43**	**49**	**46**	31	**49**	40	**43**	31	**46**	41	**47**	31	PN
R0327	Residential	NCA01	38	**46**	**51**	**47**	33	**50**	**43**	**45**	34	**49**	42	**49**	35	PN
R0328	Residential	NCA01	36	**45**	**50**	**47**	32	**50**	42	**44**	32	**47**	42	**48**	33	PN
R0329	Educational institute	NCA03	38	46	48	44	29	48	42	44	30	51	43	50	35	-
R0330	Residential	NCA03	39	**43**	42	38	24	41	35	37	26	**47**	41	**48**	36	PN
R0331	Residential	NCA01	38	**46**	**52**	**48**	34	**51**	**44**	**45**	35	**49**	**43**	**50**	35	PN
R0332	Residential	NCA01	36	**44**	**50**	**46**	32	**50**	42	**44**	32	**47**	41	**48**	33	PN
R0333	Residential	NCA03	34	**44**	42	38	24	41	35	37	26	**48**	42	**49**	31	PN
R0334	Residential	NCA01	36	**44**	**51**	**47**	32	**50**	41	**43**	32	**48**	42	**49**	33	PN
R0335	Residential	NCA03	38	**45**	42	38	24	41	33	35	24	**45**	42	**48**	35	PN
R0336	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	31	**45**	41	**48**	31	PN
R0337	Residential	NCA01	33	42	**49**	**45**	31	**49**	40	42	31	**45**	40	**47**	30	PN
R0338	Residential	NCA01	30	39	**45**	41	27	**46**	36	38	25	41	36	**43**	27	-
R0339	Residential	NCA01	38	**46**	**51**	**47**	33	**51**	**43**	**45**	34	**50**	**43**	**49**	35	PN
R0340	Educational institute	NCA03	40	47	49	45	30	49	42	44	32	53	46	52	37	-
R0341	Residential	NCA01	34	**43**	**49**	**45**	30	**49**	40	42	31	**45**	40	**47**	31	PN
R0342	Residential	NCA01	31	41	**47**	**43**	27	**47**	36	37	23	42	38	**45**	28	-
R0343	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**47**	42	**48**	32	PN
R0344	Residential	NCA01	31	40	**46**	**43**	26	**46**	38	40	28	42	37	**44**	28	-
R0345	Residential	NCA01	36	**45**	**50**	**46**	31	**50**	42	**44**	32	**47**	41	**48**	33	PN
R0346	Residential	NCA03	34	**43**	40	37	22	39	33	34	22	**44**	40	**47**	31	-
R0347	Residential	NCA01	29	41	**48**	**44**	30	**47**	35	37	25	42	38	**45**	26	PN
R0348	Residential	NCA01	34	**43**	**49**	**45**	31	**49**	39	41	29	**46**	40	**47**	31	PN
R0349	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	41	**43**	32	**48**	42	**49**	33	PN
R0350	Residential	NCA03	33	40	38	35	21	37	31	33	22	**44**	40	**46**	30	-
R0351	Medical facility	NCA03	45	43	40	36	22	39	33	34	24	46	40	47	42	-
R0352	Residential	NCA03	37	38	41	37	23	40	34	36	24	**44**	35	42	34	-
R0353	Residential	NCA03	35	**43**	**43**	39	25	**43**	36	38	27	**49**	**43**	**49**	32	PN
R0354	Residential	NCA03	37	**46**	**45**	41	27	**45**	38	39	29	**51**	**44**	**51**	34	PN
R0355	Residential	NCA03	37	**46**	**45**	42	27	**45**	38	40	29	**51**	**45**	**51**	34	PN
R0356	Residential	NCA01	32	42	**48**	**44**	29	**48**	38	40	28	**43**	39	**46**	29	PN
R0357	Medical facility	NCA03	41	43	42	38	24	41	34	36	25	46	41	48	38	-
R0358	Residential	NCA01	33	42	**49**	**45**	29	**48**	38	40	29	**43**	40	**47**	30	PN
R0359	Residential	NCA03	**44**	**50**	**44**	40	26	**43**	37	39	27	**50**	**47**	**52**	41	PN
R0360	Residential	NCA01	33	42	**49**	**45**	29	**48**	39	41	30	**44**	39	**46**	30	PN
R0361	Residential	NCA03	42	42	41	37	23	40	34	36	23	**46**	41	**48**	39	PN
R0362	Residential	NCA03	34	41	42	39	25	41	35	37	26	**49**	39	**46**	31	PN
R0363	Educational institute	NCA03	39	48	47	43	29	47	40	42	30	52	45	52	36	-
R0364	Residential	NCA03	35	**45**	**43**	39	25	**43**	36	38	27	**49**	**43**	**50**	32	PN
R0365	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	42	**44**	32	**47**	42	**49**	33	PN
R0366	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	42	**45**	33	**47**	**43**	**49**	33	PN
R0367	Residential	NCA03	35	**45**	**43**	39	25	42	36	38	27	**48**	**44**	**51**	32	PN
R0368	Residential	NCA01	30	40	**48**	**44**	30	**48**	33	35	21	41	38	**45**	27	PN
R0369	Residential	NCA03	35	**47**	**43**	39	25	**43**	36	37	27	**49**	41	**48**	32	PN
R0370	Residential	NCA01	31	41	**48**	**44**	30	**48**	37	39	29	**43**	39	**46**	28	PN
R0371	Residential	NCA01	33	41	**47**	**44**	28	**47**	40	41	30	**44**	38	**45**	30	-
R0372	Commercial	NCA03	44	43	41	38	24	40	34	36	25	46	40	47	41	-
R0373	Residential	NCA01	30	38	**45**	41	25	**44**	36	38	24	40	35	42	27	-
R0374	Residential	NCA01	34	**43**	**49**	**45**	31	**49**	40	**43**	31	**47**	40	**47**	31	PN
R0375	Residential	NCA03	33	**44**	42	38	23	41	34	36	24	**44**	41	**48**	30	PN
R0376	Residential	NCA03	41	**47**	41	38	24	41	34	36	25	**43**	**43**	**49**	38	PN
R0377	Residential	NCA03	37	**45**	**44**	41	26	**43**	37	39	28	**51**	**44**	**51**	34	PN
R0378	Residential	NCA01	40	**45**	**48**	**44**	28	**48**	41	**44**	33	**51**	42	**49**	37	PN
R0379	Residential	NCA03	35	**45**	41	37	24	41	34	36	26	**50**	**43**	**49**	32	PN
R0380	Residential	NCA01	36	**46**	**51**	**48**	33	**52**	**43**	**45**	34	**47**	**43**	**49**	33	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0381	Residential	NCA03	41	**46**	41	38	24	40	34	36	25	**48**	**43**	**50**	38	PN
R0382	Residential	NCA01	35	**43**	**49**	**45**	31	**49**	39	41	29	**44**	40	**48**	32	PN
R0383	Residential	NCA01	40	**46**	**50**	**46**	31	**49**	**43**	**45**	34	**52**	**43**	**50**	37	PN
R0384	Residential	NCA01	39	**44**	**48**	**44**	27	**48**	42	**44**	33	**50**	41	**48**	36	PN
R0385	Residential	NCA03	37	**47**	**45**	41	27	**44**	38	40	28	**51**	**45**	**52**	34	PN
R0386	Residential	NCA01	34	**43**	**48**	**45**	29	**48**	40	42	30	**45**	40	**47**	31	PN
R0387	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	41	**43**	31	**48**	42	**49**	33	PN
R0388	Residential	NCA01	38	**44**	**48**	**44**	28	**48**	42	**44**	33	**50**	41	**48**	35	PN
R0389	Residential	NCA01	35	42	**49**	**44**	28	**48**	39	41	28	**47**	39	**46**	32	PN
R0390	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	39	42	31	**46**	41	**48**	32	PN
R0391	Residential	NCA03	36	**44**	**43**	40	26	**44**	37	39	28	**51**	**43**	**50**	33	PN
R0392	Residential	NCA03	35	42	**43**	39	25	**43**	36	38	27	**49**	40	**47**	32	PN
R0393	Residential	NCA01	36	**44**	**50**	**47**	32	**50**	41	**43**	31	**48**	41	**49**	33	PN
R0394	Residential	NCA01	30	39	**45**	42	28	**46**	36	38	26	42	37	**44**	27	-
R0395	Residential	NCA03	42	**43**	40	37	23	40	34	35	24	**47**	41	**48**	39	PN
R0396	Residential	NCA01	35	**44**	**50**	**46**	33	**48**	42	**44**	34	**47**	41	**48**	32	PN
R0397	Residential	NCA01	33	39	**46**	41	25	**45**	36	39	28	**44**	36	**44**	30	-
R0398	Residential	NCA03	**43**	**43**	39	36	22	39	32	34	20	**46**	41	**47**	40	-
R0399	Residential	NCA01	37	**44**	**50**	**46**	30	**49**	41	**43**	30	**49**	41	**48**	34	PN
R0400	Residential	NCA03	**43**	**45**	40	37	23	40	34	35	24	**47**	42	**49**	40	PN
R0401	Residential	NCA01	37	**44**	**48**	**45**	28	**48**	42	**44**	33	**49**	40	**47**	34	PN
R0402	Residential	NCA01	39	**45**	**49**	**45**	29	**48**	42	**44**	33	**50**	42	**49**	36	PN
R0403	Residential	NCA01	35	**43**	**49**	**46**	31	**49**	41	**43**	32	**46**	41	**48**	32	PN
R0404	Residential	NCA01	37	**45**	**50**	**46**	30	**49**	42	**44**	33	**49**	41	**48**	34	PN
R0405	Residential	NCA01	35	**46**	**52**	**48**	33	**51**	42	**44**	32	**46**	**43**	**49**	32	PN
R0406	Residential	NCA03	**44**	**43**	40	37	22	39	34	35	23	**46**	41	**47**	41	-
R0407	Residential	NCA01	31	42	**49**	**45**	31	**49**	38	40	29	**43**	40	**46**	28	PN
R0408	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	39	28	**51**	**43**	**50**	34	PN
R0409	Residential	NCA01	37	**45**	**50**	**46**	28	**49**	**43**	**44**	33	**49**	42	**49**	34	PN
R0410	Residential	NCA01	35	**43**	**49**	**46**	31	**49**	41	**43**	32	**46**	41	**48**	32	PN
R0411	Residential	NCA01	35	**45**	**51**	**48**	33	**51**	42	**44**	32	**47**	**43**	**50**	32	PN
R0412	Residential	NCA01	34	**43**	**49**	**45**	31	**49**	40	42	31	**45**	41	**48**	31	PN
R0413	Residential	NCA01	38	**46**	**51**	**48**	34	**51**	**44**	**46**	35	**50**	**43**	**50**	35	PN
R0414	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	42	**44**	32	**47**	**43**	**49**	33	PN
R0415	Residential	NCA01	29	37	**44**	39	24	**43**	35	37	21	41	34	41	26	-
R0416	Residential	NCA03	36	**47**	**44**	40	26	**43**	37	39	27	**49**	**44**	**52**	33	PN
R0417	Residential	NCA01	39	**46**	**50**	**48**	33	**50**	**44**	**46**	34	**49**	**43**	**50**	36	PN
R0418	Residential	NCA01	39	**44**	**49**	**46**	29	**50**	41	**43**	33	**50**	41	**48**	36	PN
R0419	Residential	NCA01	36	**45**	**50**	**47**	32	**51**	42	**44**	33	**48**	42	**49**	33	PN
R0420	Residential	NCA01	34	**45**	**51**	**47**	32	**50**	40	42	31	**46**	42	**48**	31	PN
R0421	Residential	NCA03	38	**47**	**45**	42	27	**45**	38	40	29	**51**	**45**	**52**	35	PN
R0422	Residential	NCA01	39	**46**	**50**	**46**	29	**49**	42	**44**	33	**50**	42	**49**	36	PN
R0423	Residential	NCA01	38	**46**	**49**	**45**	30	**49**	42	**44**	34	**50**	**43**	**49**	35	PN
R0424	Residential	NCA03	36	**46**	**44**	40	26	**43**	37	39	28	**52**	**44**	**51**	33	PN
R0425	Residential	NCA03	39	**47**	**44**	41	26	**43**	37	39	28	**51**	**45**	**52**	36	PN
R0426	Residential	NCA03	36	**45**	**44**	40	26	**43**	37	39	28	**49**	**43**	**50**	33	PN
R0427	Residential	NCA01	37	**44**	**50**	**46**	31	**50**	41	**43**	32	**49**	41	**48**	34	PN
R0428	Residential	NCA01	35	**43**	**49**	**45**	29	**49**	40	42	31	**46**	40	**48**	32	PN
R0429	Residential	NCA01	34	**44**	**51**	**47**	33	**50**	41	**43**	31	**45**	41	**48**	31	PN
R0430	Residential	NCA01	34	**43**	**49**	**45**	30	**49**	40	42	31	**45**	41	**48**	31	PN
R0431	Residential	NCA03	**44**	**44**	40	37	23	40	33	35	24	**48**	42	**49**	41	PN
R0432	Residential	NCA03	42	**44**	42	39	24	42	35	37	26	**48**	41	**48**	39	PN
R0433	Residential	NCA01	30	38	**43**	40	24	**43**	36	38	24	41	34	41	27	-
R0434	Residential	NCA01	38	**47**	**52**	**48**	34	**51**	**44**	**46**	35	**50**	**43**	**50**	35	PN
R0435	Residential	NCA01	27	38	**44**	41	28	**45**	34	36	22	38	35	**43**	24	-
R0436	Residential	NCA03	42	**48**	**43**	39	25	42	36	38	27	**50**	**45**	**52**	39	PN
R0437	Residential	NCA01	37	**46**	**49**	**46**	31	**47**	**44**	**46**	33	**49**	42	**49**	34	PN
R0438	Active recreation	NCA03	41	49	48	46	30	48	43	45	32	53	46	53	38	-
R0439	Educational institute	NCA03	40	48	48	45	30	48	41	43	32	53	46	53	37	-
R0440	Residential	NCA03	**43**	**44**	42	38	24	41	35	37	26	**48**	42	**49**	40	PN
R0441	Residential	NCA03	34	**45**	42	38	25	41	35	37	26	**50**	**45**	**52**	31	PN
R0442	Residential	NCA01	37	**45**	**50**	**46**	31	**50**	42	**44**	33	**48**	41	**48**	34	PN
R0443	Residential	NCA03	36	**44**	**44**	40	26	**44**	37	38	28	**51**	**43**	**50**	33	PN
R0444	Residential	NCA01	32	41	**48**	**45**	30	**48**	38	40	29	**43**	39	**46**	29	PN
R0445	Residential	NCA01	34	**44**	**50**	**46**	32	**48**	42	**44**	33	**44**	41	**48**	31	PN
R0446	Residential	NCA03	36	**45**	**44**	40	26	**44**	36	38	28	**49**	**44**	**51**	33	PN
R0447	Residential	NCA01	38	**45**	**50**	**46**	29	**50**	**43**	**44**	34	**50**	**43**	**50**	35	PN
R0448	Residential	NCA03	37	**45**	**45**	41	27	**44**	38	40	28	**51**	**44**	**51**	34	PN
R0449	Residential	NCA01	29	35	**43**	39	24	42	33	35	20	40	33	40	26	-
R0450	Residential	NCA03	41	**46**	41	37	23	40	34	36	23	**48**	**43**	**50**	38	PN
R0451	Residential	NCA03	36	**44**	**44**	40	26	**44**	37	39	28	**51**	**43**	**50**	33	PN
R0452	Residential	NCA03	42	**49**	**44**	40	27	**44**	38	39	28	**51**	**46**	**53**	39	PN
R0453	Residential	NCA01	29	39	**47**	**43**	27	**46**	34	36	24	40	37	**43**	26	-
R0454	Educational institute	NCA03	40	49	48	44	29	48	40	42	31	54	47	53	37	-
R0455	Residential	NCA01	37	**45**	**48**	**45**	29	**49**	**43**	**45**	33	**49**	41	**48**	34	PN
R0456	Residential	NCA01	37	**45**	**46**	**45**	27	**46**	**43**	**45**	34	**50**	41	**48**	34	PN
R0457	Residential	NCA01	35	**43**	**49**	**45**	32	**47**	42	**44**	33	**43**	40	**47**	32	PN
R0458	Residential	NCA01	40	**45**	**46**	**44**	26	**46**	42	**44**	33	**51**	42	**49**	37	PN
R0459	Residential	NCA03	**44**	**47**	42	39	25	41	35	37	26	**49**	**44**	**51**	41	PN
R0460	Residential	NCA01	39	**44**	**50**	**46**	30	**50**	40	42	30	**50**	41	**48**	36	PN
R0461	Residential	NCA01	37	**47**	**53**	**49**	33	**50**	**45**	**47**	34	**48**	**44**	**49**	34	PN
R0462	Residential	NCA01	28	39	**47**	**43**	29	**47**	36	37	22	39	38	**45**	25	-
R0463	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	42	42	31	**46**	41	**49**	32	PN
R0464	Residential	NCA01	38	**46**	**50**	**46**	29	**49**	**44**	**45**	34	**51**	42	**49**	35	PN
R0465	Residential	NCA03	40	**46**	**45**	41	27	**44**	38	39	28	**51**	**45**	**52**	37	PN
R0466	Residential	NCA01	35	**46**	**50**	**47**	32	**50**	**43**	**45**	33	**47**	42	**48**	32	PN
R0467	Residential	NCA01	39	**46**	**49**	**46**	29	**48**	**43**	**45**	34	**52**	**43**	**50**	36	PN
R0468	Residential	NCA03	37	42	**44**	40	26	**43**	37	38	28	**48**	40	**46**	34	PN
R0469	Educational institute	NCA03	40	48	47	43	28	47	40	42	30	52	45	52	37	-
R0470	Residential	NCA01	38	**46**	**44**	**44**	26	**44**	**43**	**45**	34	**50**	42	**49**	35	PN
R0471	Residential	NCA03	35	**44**	**43**	39	26	41	36	38	27	**50**	**43**	**50**	32	PN
R0472	Residential	NCA03	37	**45**	**44**	40	26	**44**	37	38	28	**52**	**43**	**50**	34	PN
R0473	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	42	**44**	32	**47**	41	**48**	31	PN
R0474	Residential	NCA03	**45**	**47**	42	39	24	41	36	38	26	**49**	**44**	**51**	42	PN
R0475	Residential	NCA03	**46**	**47**	**43**	40	26	**43**	37	40	27	**50**	**44**	**51**	**43**	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0476	Commercial	NCA03	44	53	44	41	26	43	37	39	28	50	48	53	41	-
R0477	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	41	**43**	32	**46**	41	**48**	32	PN
R0478	Residential	NCA01	38	**47**	**53**	**49**	35	**51**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0479	Residential	NCA01	37	**45**	**50**	**47**	31	**50**	**43**	**45**	33	**49**	42	**49**	34	PN
R0480	Residential	NCA01	28	36	**44**	39	25	**44**	33	35	20	40	33	40	25	-
R0481	Residential	NCA03	**43**	**44**	41	37	23	40	34	36	25	**47**	41	**48**	40	PN
R0482	Residential	NCA01	37	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	42	**49**	34	PN
R0483	Active recreation	NCA03	41	50	49	46	30	50	43	45	32	53	47	53	38	-
R0484	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	42	**49**	33	PN
R0485	Residential	NCA01	36	**46**	**51**	**48**	33	**51**	42	**44**	33	**48**	**43**	**50**	33	PN
R0486	Residential	NCA03	**44**	**51**	**45**	42	27	**44**	38	40	28	**51**	**48**	**54**	41	PN
R0487	Residential	NCA01	34	**46**	**51**	**48**	33	**52**	41	**43**	31	**46**	**43**	**50**	31	PN
R0488	Residential	NCA03	**44**	**43**	40	37	23	39	33	34	24	**47**	41	**48**	41	PN
R0489	Residential	NCA01	38	**45**	**50**	**46**	29	**50**	41	**43**	32	**49**	42	**49**	35	PN
R0490	Residential	NCA03	37	**48**	**46**	42	27	**45**	39	40	29	**53**	**47**	**54**	34	PN
R0491	Residential	NCA01	37	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	42	**49**	34	PN
R0492	Residential	NCA01	37	**45**	**51**	**47**	33	**50**	**43**	**45**	34	**47**	42	**49**	34	PN
R0493	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	**43**	**45**	33	**48**	**43**	**49**	33	PN
R0494	Place of worship	NCA03	44	44	40	36	22	39	33	35	24	47	42	49	41	-
R0495	Residential	NCA01	37	**46**	**50**	**47**	32	**50**	**43**	**45**	33	**49**	42	**49**	34	PN
R0496	Residential	NCA01	37	**45**	**48**	**46**	29	**48**	**43**	**45**	34	**48**	42	**49**	34	PN
R0497	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	31	**46**	41	**48**	31	PN
R0498	Residential	NCA01	38	**46**	**48**	**46**	27	**48**	**43**	**45**	34	**52**	**43**	**50**	35	PN
R0499	Residential	NCA01	28	36	**43**	39	25	42	34	36	24	39	33	40	25	-
R0500	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**44**	**51**	35	PN
R0501	Residential	NCA03	41	**48**	**44**	41	27	**44**	37	39	28	**51**	**46**	**53**	38	PN
R0502	Residential	NCA01	32	42	**49**	**45**	31	**49**	38	40	26	**43**	40	**45**	29	PN
R0503	Residential	NCA03	41	**48**	**45**	41	27	**44**	38	40	28	**52**	**46**	**53**	38	PN
R0504	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	42	**45**	33	**48**	**43**	**50**	33	PN
R0505	Residential	NCA01	35	**45**	**52**	**48**	33	**51**	42	**44**	32	**48**	**43**	**49**	32	PN
R0506	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**47**	42	**49**	33	PN
R0507	Residential	NCA03	39	**47**	**45**	41	28	**45**	38	40	29	**51**	**45**	**52**	36	PN
R0508	Residential	NCA03	33	39	39	35	22	39	32	34	23	**45**	38	**43**	30	-
R0509	Residential	NCA03	38	**47**	**45**	42	27	**45**	39	40	29	**52**	**46**	**53**	35	PN
R0510	Residential	NCA03	**44**	**44**	40	36	23	40	33	35	24	**47**	41	**48**	41	PN
R0511	Residential	NCA03	36	**47**	41	38	24	40	35	36	26	**48**	**44**	**51**	33	PN
R0512	Residential	NCA03	**43**	**49**	**43**	40	26	42	36	38	27	**51**	**46**	**53**	40	PN
R0513	Residential	NCA03	39	**45**	**45**	41	27	**45**	38	40	29	**52**	**43**	**51**	36	PN
R0514	Residential	NCA01	37	**44**	**51**	**47**	31	**50**	42	**44**	32	**50**	42	**49**	34	PN
R0515	Residential	NCA01	34	**45**	**51**	**47**	33	**51**	38	40	28	**45**	42	**49**	31	PN
R0516	Educational institute	NCA03	39	48	47	43	29	47	39	41	30	53	45	52	36	-
R0517	Residential	NCA01	29	40	**48**	**44**	29	**47**	35	36	25	40	38	**44**	26	PN
R0518	Residential	NCA01	38	**46**	**50**	**47**	32	**50**	**44**	**46**	33	**50**	42	**49**	35	PN
R0519	Residential	NCA01	35	**45**	**51**	**47**	32	**50**	40	42	31	**46**	42	**49**	32	PN
R0520	Residential	NCA01	38	**47**	**51**	**49**	34	**52**	**45**	**47**	35	**49**	**43**	**50**	35	PN
R0521	Residential	NCA01	39	**47**	**52**	**48**	34	**51**	**45**	**47**	35	**49**	**44**	**50**	36	PN
R0522	Residential	NCA01	34	**45**	**50**	**47**	32	**50**	42	**44**	32	**44**	42	**49**	31	PN
R0523	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	42	**44**	33	**47**	42	**49**	33	PN
R0524	Residential	NCA01	40	**46**	**49**	**46**	29	**49**	**43**	**45**	34	**51**	**43**	**50**	37	PN
R0525	Residential	NCA01	40	**46**	**50**	**46**	29	**49**	**44**	**46**	35	**51**	**43**	**50**	37	PN
R0526	Residential	NCA03	36	**44**	**44**	40	26	**43**	36	38	27	**50**	**43**	**50**	33	PN
R0527	Residential	NCA01	34	**47**	**50**	**47**	32	**51**	41	42	31	**46**	**44**	**49**	31	PN
R0528	Residential	NCA01	33	**43**	**50**	**46**	32	**50**	39	41	30	**45**	41	**48**	30	PN
R0529	Residential	NCA03	32	34	36	33	20	36	29	31	19	39	32	39	29	-
R0530	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	40	42	30	**45**	41	**48**	31	PN
R0531	Residential	NCA03	**44**	**46**	41	38	24	40	34	36	25	**48**	**43**	**50**	41	PN
R0532	Residential	NCA01	29	40	**46**	42	27	**46**	31	33	20	40	37	**43**	26	-
R0533	Residential	NCA01	40	**47**	**49**	**47**	28	**49**	**45**	**46**	35	**52**	**44**	**51**	37	PN
R0534	Residential	NCA01	41	**47**	**50**	**47**	31	**50**	**44**	**46**	35	**52**	**44**	**51**	38	PN
R0535	Residential	NCA01	34	**44**	**50**	**46**	30	**50**	40	42	31	**45**	41	**48**	31	PN
R0536	Residential	NCA01	32	40	**46**	**43**	26	**48**	38	40	26	42	37	**44**	29	PN
R0537	Residential	NCA01	41	**47**	**52**	**48**	34	**51**	**44**	**46**	35	**52**	**44**	**51**	38	PN
R0538	Residential	NCA03	38	**44**	**45**	42	27	**44**	39	40	29	**51**	42	**49**	35	PN
R0539	Residential	NCA01	37	**44**	**50**	**46**	31	**50**	41	**43**	32	**49**	41	**48**	34	PN
R0540	Residential	NCA01	31	**43**	**48**	**44**	30	**49**	37	38	23	**43**	39	**44**	28	PN
R0541	Residential	NCA01	40	**46**	**51**	**47**	29	**51**	42	**44**	32	**51**	**43**	**50**	37	PN
R0542	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	42	**44**	32	**47**	42	**49**	33	PN
R0543	Residential	NCA01	33	39	**43**	39	25	**43**	36	38	27	**43**	36	**43**	30	-
R0544	Residential	NCA01	31	**45**	**50**	**46**	31	**51**	40	42	26	42	41	**48**	28	PN
R0545	Residential	NCA03	37	**46**	**43**	40	26	**43**	36	38	27	**50**	**45**	**52**	34	PN
R0546	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	**43**	**44**	32	**47**	42	**49**	33	PN
R0547	Residential	NCA03	35	39	39	35	20	37	31	33	22	42	37	**43**	32	-
R0548	Residential	NCA01	29	38	**45**	41	27	**45**	33	35	20	41	35	42	26	-
R0549	Residential	NCA01	30	39	**46**	**43**	28	**46**	36	38	27	41	37	**44**	27	-
R0550	Residential	NCA01	38	**46**	**45**	**46**	27	**45**	42	**44**	33	**49**	42	**50**	35	PN
R0551	Residential	NCA01	37	**47**	**51**	**49**	34	**52**	**44**	**46**	35	**48**	**43**	**50**	34	PN
R0552	Residential	NCA03	37	**44**	**44**	41	26	**44**	37	39	28	**52**	42	**50**	34	PN
R0553	Residential	NCA03	40	**47**	**43**	39	26	42	35	37	26	**48**	**45**	**52**	37	PN
R0554	Residential	NCA01	39	**44**	**49**	**46**	28	**49**	40	42	30	**50**	41	**48**	36	PN
R0555	Residential	NCA01	39	**47**	**52**	**49**	35	**51**	**45**	**47**	36	**51**	**44**	**51**	36	PN
R0556	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	**43**	**45**	32	**46**	42	**49**	32	PN
R0557	Residential	NCA03	40	**48**	**46**	42	28	**46**	39	41	30	**53**	**47**	**53**	37	PN
R0558	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	**43**	**45**	34	**47**	42	**49**	33	PN
R0559	Residential	NCA01	30	**44**	**50**	**46**	31	**50**	38	39	29	41	42	**49**	27	PN
R0560	Residential	NCA01	29	41	**48**	**45**	30	**48**	36	37	25	41	39	**45**	26	PN
R0561	Residential	NCA01	34	**44**	**50**	**47**	31	**50**	40	42	31	**45**	42	**48**	31	PN
R0562	Residential	NCA01	31	42	**50**	**46**	32	**49**	38	39	27	42	40	**47**	28	PN
R0563	Residential	NCA01	34	**44**	**51**	**47**	32	**50**	40	42	29	**45**	42	**50**	31	PN
R0564	Residential	NCA03	37	**49**	**46**	42	28	**46**	39	41	29	**53**	**45**	**52**	34	PN
R0565	Residential	NCA01	39	**45**	**51**	**47**	30	**50**	**43**	**45**	34	**50**	42	**49**	36	PN
R0566	Residential	NCA01	35	**44**	**51**	**47**	32	**50**	41	**43**	32	**46**	42	**49**	32	PN
R0567	Residential	NCA01	35	**44**	**50**	**47**	32	**50**	42	**44**	33	**46**	42	**49**	32	PN
R0568	Residential	NCA01	39	**47**	**49**	**47**	29	**49**	**44**	**45**	34	**51**	**43**	**50**	36	PN
R0569	Residential	NCA01	36	**46**	**52**	**48**	33	**51**	42	**44**	33	**48**	**43**	**50**	33	PN
R0570	Residential	NCA03	42	**47**	42	38	24	41	35	37	26	**49**	**44**	**51**	39	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0571	Residential	NCA03	41	**46**	42	39	24	41	35	37	25	**50**	**44**	**51**	38	PN
R0572	Residential	NCA01	35	**44**	**50**	**47**	31	**50**	41	**43**	32	**47**	42	**49**	32	PN
R0573	Residential	NCA01	35	**44**	**49**	**46**	31	**49**	41	**43**	32	**46**	41	**48**	32	PN
R0574	Residential	NCA01	37	**46**	**51**	**48**	34	**51**	**43**	**45**	34	**48**	**43**	**50**	34	PN
R0575	Residential	NCA01	32	42	**48**	**45**	28	**48**	38	40	28	**43**	39	**46**	29	PN
R0576	Residential	NCA01	39	**48**	**55**	**51**	35	**52**	**47**	**49**	37	**50**	**46**	**52**	36	PN
R0577	Residential	NCA01	40	**47**	**52**	**49**	34	**52**	**45**	**47**	35	**50**	**44**	**51**	37	PN
R0578	Residential	NCA03	39	**46**	**43**	39	24	41	35	37	26	**51**	**45**	**52**	36	PN
R0579	Residential	NCA01	39	**46**	**50**	**46**	30	**50**	**43**	**44**	32	**50**	**43**	**49**	36	PN
R0580	Residential	NCA03	**43**	**50**	**45**	41	27	**44**	38	40	28	**51**	**47**	**54**	40	PN
R0581	Residential	NCA01	27	40	**48**	**44**	29	**47**	29	31	18	39	38	**45**	24	PN
R0582	Residential	NCA03	38	**43**	**45**	40	26	**44**	37	39	28	**51**	41	**48**	35	PN
R0583	Residential	NCA01	27	37	**43**	39	24	**43**	33	35	20	37	34	41	24	-
R0584	Residential	NCA01	38	**45**	**51**	**47**	32	**51**	**43**	**45**	32	**49**	42	**49**	35	PN
R0585	Residential	NCA01	38	**46**	**51**	**47**	33	**51**	**43**	**45**	33	**50**	42	**49**	35	PN
R0586	Residential	NCA03	**44**	**46**	42	39	25	42	35	37	26	**48**	**43**	**50**	41	PN
R0587	Residential	NCA01	38	**45**	**51**	**47**	33	**51**	**43**	**45**	35	**49**	**43**	**50**	35	PN
R0588	Residential	NCA03	**43**	40	40	37	22	39	34	36	25	**45**	38	**45**	40	-
R0589	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	41	**43**	32	**46**	42	**48**	32	PN
R0590	Residential	NCA01	37	**46**	**52**	**48**	33	**51**	**43**	**45**	33	**48**	**43**	**49**	34	PN
R0591	Residential	NCA01	37	**45**	**51**	**47**	33	**50**	42	**45**	34	**48**	42	**49**	34	PN
R0592	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**43**	**45**	34	**48**	**44**	**51**	34	PN
R0593	Residential	NCA01	35	**44**	**50**	**46**	29	**50**	42	**44**	32	**48**	41	**48**	32	PN
R0594	Residential	NCA01	35	**45**	**52**	**48**	33	**52**	41	**43**	32	**47**	**43**	**49**	32	PN
R0595	Residential	NCA01	39	**46**	**47**	**45**	29	**47**	**44**	**45**	35	**51**	**43**	**50**	36	PN
R0596	Residential	NCA01	35	**44**	**50**	**47**	32	**51**	41	**43**	32	**46**	42	**48**	32	PN
R0597	Residential	NCA01	32	41	**48**	**44**	27	**47**	38	40	28	**43**	38	**45**	29	PN
R0598	Residential	NCA01	40	**48**	**50**	**48**	30	**49**	**46**	**48**	36	**53**	**45**	**52**	37	PN
R0599	Residential	NCA01	26	33	40	36	22	40	31	33	22	37	30	37	23	-
R0600	Residential	NCA03	36	**48**	**44**	41	27	**43**	37	39	28	**49**	**47**	**54**	33	PN
R0601	Residential	NCA01	39	**45**	**51**	**47**	30	**50**	42	**44**	33	**51**	42	**49**	36	PN
R0602	Residential	NCA03	**47**	**47**	42	39	24	41	36	37	26	**49**	**45**	**52**	**44**	PN
R0603	Residential	NCA03	38	**46**	**44**	41	26	**43**	38	39	28	**50**	**45**	**51**	35	PN
R0604	Residential	NCA01	37	**44**	**50**	**46**	32	**49**	42	**44**	33	**48**	42	**49**	34	PN
R0605	Residential	NCA01	32	41	**48**	**44**	28	**48**	38	40	27	**43**	38	**45**	29	PN
R0606	Residential	NCA01	38	**47**	**51**	**48**	33	**51**	**44**	**46**	34	**49**	**43**	**49**	35	PN
R0607	Place of worship	NCA01	33	43	49	46	32	49	38	40	30	44	41	48	30	-
R0608	Residential	NCA01	25	38	**45**	41	27	**44**	35	35	21	37	36	**43**	22	-
R0609	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**43**	**45**	34	**48**	**44**	**51**	34	PN
R0610	Residential	NCA01	37	**45**	**51**	**47**	34	**51**	**43**	**46**	35	**47**	42	**49**	34	PN
R0611	Residential	NCA03	42	**49**	**45**	41	27	**44**	38	40	28	**51**	**47**	**54**	39	PN
R0612	Residential	NCA01	28	38	**46**	42	27	**45**	35	36	25	39	36	42	25	-
R0613	Residential	NCA01	39	**46**	**50**	**46**	29	**50**	**43**	**44**	33	**50**	**44**	**50**	36	PN
R0614	Residential	NCA01	35	**44**	**50**	**47**	32	**50**	42	**43**	32	**46**	42	**49**	32	PN
R0615	Residential	NCA01	37	**45**	**52**	**47**	34	**50**	**43**	**46**	35	**47**	42	**49**	34	PN
R0616	Residential	NCA03	**48**	**49**	**43**	40	26	42	36	39	26	**50**	**46**	**52**	**45**	PN
R0617	Residential	NCA01	36	**45**	**51**	**47**	34	**51**	**44**	**46**	35	**47**	42	**49**	33	PN
R0618	Educational institute	NCA03	44	42	40	36	22	39	33	34	23	46	40	47	41	-
R0619	Medical facility	NCA03	38	43	42	38	24	40	35	36	25	48	42	49	35	-
R0620	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	41	**43**	32	**46**	42	**49**	32	PN
R0621	Medical facility	NCA03	44	39	38	35	21	38	31	33	19	43	36	44	41	-
R0622	Residential	NCA01	35	**46**	**51**	**47**	32	**51**	**44**	**46**	33	**49**	**43**	**50**	32	PN
R0623	Medical facility	NCA03	45	44	39	36	22	39	32	34	23	45	40	47	42	-
R0624	Residential	NCA01	38	**46**	**51**	**48**	33	**51**	**44**	**46**	34	**49**	**43**	**50**	35	PN
R0625	Residential	NCA03	36	40	39	36	21	37	32	34	22	**44**	38	**44**	33	-
R0626	Residential	NCA01	34	**43**	**50**	**46**	30	**50**	40	42	31	**45**	41	**48**	31	PN
R0627	Residential	NCA03	**48**	**52**	**44**	40	26	**43**	38	39	27	**51**	**50**	**57**	**45**	PN
R0628	Residential	NCA03	38	**49**	**45**	41	27	**45**	38	40	29	**52**	**47**	**54**	35	PN
R0629	Residential	NCA01	36	**44**	**51**	**47**	32	**51**	42	**44**	33	**48**	42	**49**	33	PN
R0630	Residential	NCA01	39	**46**	**50**	**46**	30	**50**	**44**	**46**	34	**52**	**43**	**50**	36	PN
R0631	Residential	NCA01	30	42	**49**	**45**	31	**49**	37	38	26	42	40	**47**	27	PN
R0632	Residential	NCA01	37	**46**	**50**	**46**	29	**49**	**43**	**45**	33	**48**	**43**	**49**	34	PN
R0633	Residential	NCA01	36	**45**	**50**	**47**	31	**50**	42	**44**	33	**46**	41	**48**	33	PN
R0634	Residential	NCA01	36	**46**	**52**	**48**	33	**52**	42	**44**	33	**47**	**43**	**50**	33	PN
R0635	Residential	NCA03	37	**47**	**44**	40	26	**44**	37	39	28	**50**	**47**	**53**	34	PN
R0636	Residential	NCA01	41	**46**	**48**	**45**	28	**48**	**45**	**46**	35	**51**	**43**	**50**	38	PN
R0637	Residential	NCA01	37	**44**	**49**	**47**	32	**49**	42	**44**	33	**48**	41	**48**	34	PN
R0638	Residential	NCA01	**45**	**49**	**52**	**48**	34	**52**	**46**	**48**	36	**55**	**46**	**53**	42	PN
R0639	Educational institute	NCA03	47	42	41	37	23	40	34	35	23	47	40	47	44	-
R0640	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0641	Medical facility	NCA03	46	44	41	37	23	40	34	35	24	46	41	48	43	-
R0642	Residential	NCA01	39	**45**	**51**	**47**	30	**51**	**43**	**44**	33	**50**	42	**49**	36	PN
R0643	Residential	NCA01	40	**46**	**49**	**45**	28	**49**	**44**	**46**	35	**51**	**43**	**50**	37	PN
R0644	Residential	NCA01	30	**43**	**50**	**46**	33	**50**	36	38	23	41	41	**48**	27	PN
R0645	Residential	NCA01	35	**45**	**52**	**48**	33	**52**	41	**44**	32	**47**	**43**	**50**	32	PN
R0646	Residential	NCA01	36	**45**	**51**	**48**	32	**51**	**43**	**44**	32	**47**	42	**49**	33	PN
R0647	Residential	NCA01	39	**47**	**51**	**48**	33	**51**	**44**	**46**	33	**50**	**43**	**50**	36	PN
R0648	Residential	NCA03	**43**	**49**	**44**	41	27	**43**	37	39	28	**52**	**47**	**54**	40	PN
R0649	Residential	NCA01	34	**46**	**52**	**48**	33	**52**	40	42	31	**46**	**43**	**49**	31	PN
R0650	Residential	NCA01	39	**47**	**51**	**48**	30	**51**	**44**	**45**	33	**50**	**44**	**51**	36	PN
R0651	Residential	NCA01	28	34	41	37	24	41	31	33	20	40	32	39	25	-
R0652	Residential	NCA01	38	**47**	**53**	**49**	34	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0653	Residential	NCA03	37	**47**	**43**	39	24	**43**	36	37	27	**53**	**45**	**52**	34	PN
R0654	Residential	NCA01	38	**47**	**52**	**49**	35	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0655	Residential	NCA01	38	**46**	**51**	**47**	32	**51**	**44**	**46**	33	**49**	**43**	**50**	35	PN
R0656	Residential	NCA01	30	42	**49**	**45**	31	**49**	36	38	26	41	40	**47**	27	PN
R0657	Residential	NCA01	39	**46**	**51**	**48**	34	**51**	**44**	**46**	35	**50**	**43**	**50**	36	PN
R0658	Residential	NCA01	37	**45**	**51**	**47**	32	**50**	42	**45**	34	**48**	42	**49**	34	PN
R0659	Residential	NCA01	28	38	**45**	41	27	**45**	34	36	24	39	35	42	25	-
R0660	Residential	NCA01	31	**43**	**50**	**46**	33	**50**	37	39	28	42	41	**48**	28	PN
R0661	Commercial	NCA03	43	53	44	41	26	43	38	40	28	50	51	56	40	-
R0662	Residential	NCA01	**43**	**49**	**50**	**50**	30	**50**	**46**	**48**	36	**54**	**46**	**53**	40	PN
R0663	Residential	NCA01	28	39	**47**	**43**	29	**46**	34	36	25	40	37	42	25	-
R0664	Residential	NCA01	36	**47**	**53**	**49**	34	**52**	**43**	**45**	33	**48**	**44**	**51**	33	PN
R0665	Residential	NCA01	36	**46**	**51**	**48**	33	**51**	**43**	**44**	34	**47**	**43**	**50**	33	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0666	Residential	NCA01	38	**47**	**54**	**49**	34	**51**	**46**	**48**	35	**49**	**45**	**51**	35	PN
R0667	Residential	NCA01	40	**47**	**49**	**47**	28	**48**	**45**	**47**	35	**52**	**44**	**50**	37	PN
R0668	Residential	NCA01	37	**46**	**53**	**48**	35	**51**	**44**	**47**	36	**48**	**43**	**50**	34	PN
R0669	Residential	NCA01	35	**44**	**50**	**46**	32	**49**	42	**44**	33	**46**	41	**48**	32	PN
R0670	Residential	NCA01	37	**46**	**52**	**48**	31	**52**	**44**	**46**	35	**49**	**43**	**50**	34	PN
R0671	Residential	NCA01	29	38	**46**	41	27	**45**	34	36	23	40	35	42	26	-
R0672	Residential	NCA01	39	**47**	**51**	**49**	33	**52**	**45**	**47**	35	**50**	**43**	**50**	36	PN
R0673	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	42	**43**	32	**46**	42	**50**	32	PN
R0674	Residential	NCA01	34	**45**	**51**	**47**	32	**51**	40	42	30	**46**	42	**49**	31	PN
R0675	Residential	NCA01	30	41	**49**	**45**	30	**48**	37	38	27	40	39	**46**	27	PN
R0676	Residential	NCA01	35	**46**	**52**	**48**	34	**52**	41	**44**	32	**47**	**43**	**50**	32	PN
R0677	Residential	NCA01	34	**45**	**52**	**48**	33	**52**	41	**43**	32	**46**	**43**	**49**	31	PN
R0678	Residential	NCA03	37	**48**	42	38	23	41	33	35	25	**52**	**47**	**53**	34	PN
R0679	Educational institute	NCA03	43	44	41	37	23	40	34	35	23	47	41	48	40	-
R0680	Residential	NCA01	38	**46**	**52**	**48**	34	**51**	**44**	**46**	35	**49**	**43**	**50**	35	PN
R0681	Residential	NCA01	37	**46**	**52**	**48**	33	**51**	**43**	**45**	34	**48**	**43**	**50**	34	PN
R0682	Residential	NCA01	40	**48**	**51**	**47**	30	**51**	**43**	**45**	33	**51**	**44**	**51**	37	PN
R0683	Residential	NCA01	30	40	**46**	**43**	27	**47**	36	37	26	40	37	**44**	27	-
R0684	Residential	NCA01	35	**45**	**49**	**46**	32	**49**	39	42	29	**47**	42	**49**	32	PN
R0685	Residential	NCA01	39	**47**	**48**	**48**	28	**49**	**44**	**47**	35	**50**	**43**	**50**	36	PN
R0686	Residential	NCA01	37	**46**	**51**	**48**	34	**51**	**43**	**46**	34	**49**	**43**	**50**	34	PN
R0687	Residential	NCA01	35	**44**	**51**	**47**	32	**50**	42	**44**	32	**46**	42	**48**	32	PN
R0688	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**44**	**46**	34	**46**	**43**	**50**	33	PN
R0689	Residential	NCA03	36	**48**	42	39	26	42	35	37	27	**51**	**46**	**53**	33	PN
R0690	Residential	NCA01	39	**47**	**52**	**48**	34	**52**	**45**	**46**	35	**50**	**44**	**51**	36	PN
R0691	Residential	NCA03	36	**44**	**43**	39	25	41	37	38	26	**51**	**44**	**50**	33	PN
R0692	Educational institute	NCA03	45	42	41	37	23	40	34	35	23	47	40	47	42	-
R0693	Active recreation	NCA03	39	48	46	42	28	46	39	41	30	54	46	53	36	-
R0694	Residential	NCA01	**43**	**49**	**52**	**49**	34	**52**	**46**	**48**	37	**53**	**46**	**52**	40	PN
R0695	Residential	NCA01	41	**46**	**50**	**48**	29	**49**	**44**	**46**	34	**52**	**43**	**50**	38	PN
R0696	Residential	NCA01	**43**	**49**	**51**	**49**	33	**50**	**46**	**49**	36	**54**	**47**	**53**	40	PN
R0697	Residential	NCA01	35	**45**	**50**	**47**	32	**50**	41	**43**	31	**46**	42	**49**	32	PN
R0698	Residential	NCA01	30	40	**49**	**45**	30	**48**	35	37	26	41	39	**46**	27	PN
R0699	Residential	NCA03	35	**45**	**44**	40	26	**43**	37	38	26	**48**	**44**	**50**	32	PN
R0700	Residential	NCA03	38	**49**	**45**	42	27	**45**	38	40	29	**51**	**48**	**55**	35	PN
R0701	Residential	NCA01	37	**46**	**52**	**48**	35	**51**	**44**	**46**	36	**48**	**43**	**50**	34	PN
R0702	Residential	NCA01	33	**44**	**51**	**47**	32	**52**	40	41	30	**44**	42	**48**	30	PN
R0703	Residential	NCA01	40	**47**	**53**	**49**	35	**53**	**45**	**48**	36	**51**	**44**	**51**	37	PN
R0704	Residential	NCA01	33	42	**49**	**45**	28	**49**	39	40	29	**45**	39	**46**	30	PN
R0705	Residential	NCA01	28	38	**44**	40	26	**44**	35	36	25	40	35	42	25	-
R0706	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**44**	**46**	34	**48**	**44**	**50**	34	PN
R0707	Residential	NCA01	31	39	**44**	40	25	**43**	37	38	27	42	36	**43**	28	-
R0708	Residential	NCA01	35	**43**	**50**	**46**	31	**50**	40	41	31	**46**	41	**48**	32	PN
R0709	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**43**	**45**	34	**48**	**44**	**51**	34	PN
R0710	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	**43**	**45**	33	**47**	**43**	**50**	34	PN
R0711	Residential	NCA01	40	**49**	**51**	**47**	30	**50**	**46**	**47**	36	**53**	**45**	**52**	37	PN
R0712	Residential	NCA01	42	**48**	**52**	**48**	31	**51**	**46**	**47**	37	**53**	**45**	**52**	39	PN
R0713	Residential	NCA03	39	40	40	37	23	39	33	35	23	**45**	38	**45**	36	-
R0714	Residential	NCA01	40	**47**	**51**	**48**	32	**51**	**45**	**46**	35	**51**	**44**	**51**	37	PN
R0715	Residential	NCA01	38	**48**	**52**	**49**	33	**52**	**45**	**47**	32	**49**	**43**	**50**	35	PN
R0716	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**46**	42	**49**	32	PN
R0717	Residential	NCA01	37	**45**	**52**	**48**	33	**51**	**43**	**45**	34	**48**	**43**	**50**	34	PN
R0718	Residential	NCA03	39	**48**	**43**	39	25	41	36	38	27	**49**	**46**	**52**	36	PN
R0719	Residential	NCA01	37	**46**	**51**	**48**	33	**51**	**44**	**46**	35	**49**	**43**	**50**	34	PN
R0720	Residential	NCA01	30	39	**46**	**43**	28	**47**	36	37	26	40	37	**44**	27	-
R0721	Residential	NCA01	40	**48**	**51**	**47**	31	**51**	**44**	**45**	33	**51**	**44**	**51**	37	PN
R0722	Residential	NCA01	30	38	**45**	41	27	**45**	36	38	25	39	35	42	27	-
R0723	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	33	**47**	42	**49**	32	PN
R0724	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	41	**43**	31	**47**	42	**49**	32	PN
R0725	Residential	NCA01	36	**46**	**52**	**49**	33	**52**	**43**	**45**	34	**49**	**44**	**51**	33	PN
R0726	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	**44**	**45**	33	**47**	**43**	**50**	34	PN
R0727	Residential	NCA01	40	**46**	**51**	**47**	30	**50**	42	**44**	33	**50**	**43**	**49**	37	PN
R0728	Residential	NCA03	**47**	**46**	40	36	23	39	32	34	21	**49**	**44**	**51**	**44**	PN
R0729	Residential	NCA01	40	**50**	**51**	**50**	33	**50**	**48**	**50**	36	**54**	**46**	**53**	37	PN
R0730	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	42	**44**	32	**46**	**43**	**50**	32	PN
R0731	Residential	NCA01	38	**48**	**52**	**48**	33	**52**	**45**	**47**	35	**50**	**43**	**50**	35	PN
R0732	Residential	NCA01	40	**47**	**51**	**49**	31	**51**	**46**	**47**	36	**52**	**44**	**51**	37	PN
R0733	Residential	NCA01	40	**47**	**51**	**48**	32	**52**	**45**	**46**	33	**51**	**43**	**50**	37	PN
R0734	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	**44**	**46**	34	**48**	**44**	**51**	34	PN
R0735	Residential	NCA01	30	39	**46**	**43**	28	**46**	36	38	26	41	36	**43**	27	-
R0736	Educational institute	NCA03	40	36	39	35	22	38	31	32	18	42	34	41	37	-
R0737	Residential	NCA01	38	**48**	**53**	**50**	35	**53**	**45**	**47**	36	**49**	**45**	**52**	35	PN
R0738	Residential	NCA01	23	31	39	34	21	40	29	30	18	35	28	36	20	-
R0739	Residential	NCA03	42	**52**	**46**	**43**	28	**45**	39	40	30	**54**	**49**	**56**	39	PN
R0740	Residential	NCA03	**45**	**46**	42	38	24	41	35	36	25	**49**	**44**	**51**	42	PN
R0741	Residential	NCA03	39	**51**	**46**	42	28	**44**	39	40	29	**53**	**48**	**55**	36	PN
R0742	Residential	NCA01	38	**48**	**53**	**50**	35	**53**	**45**	**47**	36	**50**	**45**	**52**	35	PN
R0743	Residential	NCA01	31	**43**	**50**	**46**	33	**50**	38	39	28	42	41	**48**	28	PN
R0744	Medical facility	NCA03	45	43	40	37	22	40	33	35	23	46	39	45	42	-
R0745	Residential	NCA01	41	**48**	**53**	**50**	35	**53**	**46**	**48**	37	**51**	**45**	**52**	38	PN
R0746	Residential	NCA03	41	**49**	41	38	25	41	35	37	26	**45**	**46**	**53**	38	PN
R0747	Residential	NCA03	37	36	34	30	16	34	27	29	14	**43**	34	41	34	-
R0748	Residential	NCA01	40	**48**	**52**	**48**	30	**51**	42	**44**	30	**51**	**45**	**52**	37	PN
R0749	Residential	NCA03	**49**	**49**	**43**	40	26	42	36	38	26	**50**	**46**	**53**	**46**	PN
R0750	Residential	NCA01	30	37	**43**	39	26	**43**	35	37	25	41	34	41	27	-
R0751	Commercial	NCA03	38	52	45	41	27	43	38	40	29	54	48	55	35	-
R0752	Residential	NCA01	41	**49**	**50**	**48**	29	**50**	**47**	**48**	37	**52**	**46**	**52**	38	PN
R0753	Residential	NCA01	38	**48**	**52**	**50**	35	**53**	**45**	**47**	35	**49**	**44**	**51**	35	PN
R0754	Residential	NCA03	38	**47**	**43**	39	24	42	34	36	25	**54**	**45**	**52**	35	PN
R0755	Residential	NCA01	33	42	**50**	**46**	32	**50**	40	41	31	**45**	40	**47**	30	PN
R0756	Residential	NCA01	42	**47**	**51**	**47**	32	**51**	**43**	**45**	34	**54**	**44**	**51**	39	PN
R0757	Residential	NCA01	27	34	41	37	24	41	32	33	23	39	32	38	24	-
R0758	Residential	NCA03	**49**	**48**	**43**	40	26	**43**	37	38	26	**50**	**46**	**53**	**46**	PN
R0759	Residential	NCA01	39	**47**	**52**	**48**	32	**52**	**44**	**46**	32	**50**	**44**	**51**	36	PN
R0760	Residential	NCA01	38	**47**	**52**	**48**	33	**52**	**45**	**47**	34	**50**	**43**	**50**	35	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0761	Residential	NCA01	**46**	**51**	**51**	**48**	32	**51**	**44**	**46**	33	**55**	**47**	**54**	**43**	PN
R0762	Residential	NCA01	37	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	**44**	**51**	34	PN
R0763	Residential	NCA03	**50**	**48**	**43**	40	25	42	36	38	27	**51**	**46**	**53**	**47**	PN
R0764	Residential	NCA01	28	40	**47**	**43**	29	**47**	35	37	24	39	37	**43**	25	-
R0765	Residential	NCA01	27	33	39	35	22	39	31	32	21	37	30	36	24	-
R0766	Residential	NCA01	36	**46**	**52**	**48**	32	**52**	**43**	**44**	33	**47**	**43**	**50**	33	PN
R0767	Educational institute	NCA03	47	44	40	37	23	40	34	36	24	47	41	49	44	-
R0768	Residential	NCA01	40	**49**	**54**	**51**	36	**53**	**46**	**48**	37	**51**	**46**	**53**	37	PN
R0769	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**43**	**44**	33	**46**	**43**	**50**	33	PN
R0770	Residential	NCA01	30	41	**49**	**45**	31	**49**	35	37	25	40	40	**47**	27	PN
R0771	Residential	NCA03	42	**51**	**45**	42	28	**44**	39	41	29	**52**	**49**	**55**	39	PN
R0772	Residential	NCA01	28	34	38	35	22	38	32	34	23	39	32	39	25	-
R0773	Residential	NCA03	41	**51**	**43**	40	26	42	36	38	27	**47**	**48**	**55**	38	PN
R0774	Residential	NCA01	39	**49**	**54**	**51**	37	**53**	**46**	**48**	37	**51**	**46**	**52**	36	PN
R0775	Residential	NCA01	32	**45**	**51**	**47**	32	**50**	39	41	29	**44**	42	**49**	29	PN
R0776	Educational institute	NCA03	39	36	38	34	20	37	29	32	16	42	34	41	36	-
R0777	Residential	NCA03	**47**	**53**	**44**	41	27	**44**	38	39	28	**52**	**50**	**57**	**44**	PN
R0778	Residential	NCA01	37	**48**	**54**	**50**	35	**54**	**43**	**45**	34	**48**	**45**	**52**	34	PN
R0779	Residential	NCA01	34	**46**	**51**	**48**	30	**52**	41	**43**	30	**46**	**43**	**50**	31	PN
R0780	Residential	NCA01	36	**47**	**53**	**49**	33	**52**	**43**	**45**	34	**48**	**44**	**51**	33	PN
R0781	Residential	NCA01	39	**46**	**52**	**49**	33	**53**	**43**	**45**	32	**50**	**44**	**51**	36	PN
R0782	Residential	NCA01	35	**45**	**50**	**47**	32	**50**	42	**44**	32	**46**	42	**49**	32	PN
R0783	Active recreation	NCA03	45	52	50	48	32	50	45	47	34	57	49	56	42	-
R0784	Residential	NCA03	38	**44**	**43**	40	26	42	37	38	27	**50**	**43**	**50**	35	PN
R0785	Educational institute	NCA03	48	44	40	37	23	40	33	35	24	48	41	49	45	-
R0786	Residential	NCA01	27	33	39	35	21	40	31	33	21	38	30	37	24	-
R0787	Residential	NCA01	38	**46**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	**43**	**50**	35	PN
R0788	Residential	NCA01	39	**48**	**52**	**48**	30	**51**	**43**	**44**	34	**51**	**45**	**52**	36	PN
R0789	Residential	NCA01	33	**44**	**51**	**47**	33	**50**	40	42	31	**44**	41	**48**	30	PN
R0790	Residential	NCA03	39	**45**	41	38	24	40	35	36	25	**49**	**43**	**50**	36	PN
R0791	Residential	NCA01	36	**48**	**54**	**51**	35	**53**	**44**	**45**	34	**48**	**46**	**52**	33	PN
R0792	Residential	NCA03	40	**49**	**45**	41	27	**44**	38	40	29	**50**	**46**	**52**	37	PN
R0793	Residential	NCA03	38	**46**	**45**	41	27	**43**	38	39	28	**50**	42	**50**	35	PN
R0794	Residential	NCA03	**43**	**48**	**44**	40	27	**44**	37	39	28	**51**	**46**	**53**	40	PN
R0795	Residential	NCA01	38	**46**	**52**	**48**	35	**51**	**44**	**47**	36	**49**	**43**	**50**	35	PN
R0796	Residential	NCA03	**46**	**51**	42	39	24	40	35	36	26	**49**	**51**	**57**	**43**	PN
R0797	Residential	NCA01	35	**46**	**52**	**48**	34	**52**	40	42	32	**45**	**43**	**50**	32	PN
R0798	Residential	NCA01	34	**45**	**50**	**48**	30	**50**	41	**43**	30	**45**	42	**49**	31	PN
R0799	Residential	NCA01	33	**47**	**51**	**48**	32	**51**	41	42	30	**44**	**44**	**49**	30	PN
R0800	Residential	NCA01	32	**45**	**52**	**48**	33	**51**	38	39	27	42	**43**	**49**	29	PN
R0801	Residential	NCA01	31	42	**50**	**46**	32	**50**	37	39	27	42	40	**47**	28	PN
R0802	Residential	NCA01	**47**	**53**	**51**	**51**	33	**51**	**49**	**51**	37	**56**	**50**	**57**	**44**	PN
R0803	Residential	NCA01	39	**46**	**52**	**48**	32	**52**	**45**	**45**	34	**50**	**44**	**51**	36	PN
R0804	Residential	NCA03	37	**44**	**44**	41	27	**43**	38	40	29	**49**	**43**	**50**	34	PN
R0805	Residential	NCA01	38	**46**	**52**	**48**	35	**52**	**44**	**47**	36	**48**	**43**	**50**	35	PN
R0806	Educational institute	NCA03	47	43	40	37	23	39	33	35	22	45	41	48	44	-
R0807	Residential	NCA03	39	**47**	**46**	42	28	**44**	39	41	29	**53**	**44**	**51**	36	PN
R0808	Residential	NCA01	39	**47**	**53**	**49**	34	**52**	**45**	**47**	35	**50**	**44**	**51**	36	PN
R0809	Residential	NCA01	30	36	41	37	23	41	34	35	24	40	33	40	27	-
R0810	Educational institute	NCA03	46	44	41	37	22	40	34	35	22	48	42	49	43	-
R0811	Residential	NCA01	36	**47**	**52**	**48**	34	**52**	42	**44**	33	**46**	**44**	**51**	33	PN
R0812	Residential	NCA03	40	**53**	**48**	**45**	30	**48**	42	**44**	31	**56**	**51**	**58**	37	PN, V, SN, RO
R0813	Residential	NCA01	30	40	**48**	**44**	30	**48**	35	36	24	40	38	**45**	27	PN
R0814	Residential	NCA01	41	**51**	**50**	**49**	29	**49**	**47**	**48**	36	**52**	**48**	**53**	38	PN
R0815	Residential	NCA01	38	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**45**	**51**	35	PN
R0816	Residential	NCA03	39	**51**	**47**	**44**	30	**47**	41	42	31	**53**	**49**	**55**	36	PN
R0817	Residential	NCA03	42	**54**	**49**	**45**	30	**48**	**43**	**44**	33	**56**	**51**	**58**	39	PN, V, SN, RO
R0818	Educational institute	NCA03	50	43	40	37	23	40	33	35	22	46	40	47	47	-
R0819	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	41	**43**	31	**46**	42	**49**	32	PN
R0820	Residential	NCA01	35	**47**	**53**	**49**	35	**53**	42	**44**	32	**46**	**44**	**51**	32	PN
R0821	Residential	NCA01	37	**46**	**52**	**48**	32	**52**	**43**	**45**	33	**48**	**43**	**50**	34	PN
R0822	Residential	NCA01	42	**52**	**51**	**47**	30	**50**	**47**	**49**	36	**54**	**48**	**55**	39	PN
R0823	Residential	NCA03	40	**50**	**46**	**43**	29	**45**	40	42	30	**54**	**47**	**54**	37	PN
R0824	Residential	NCA01	28	38	**46**	42	27	**45**	31	33	23	40	35	42	25	-
R0825	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	**43**	**46**	34	**48**	**44**	**51**	34	PN
R0826	Residential	NCA01	40	**49**	**46**	**47**	27	**46**	**47**	**49**	37	**51**	**47**	**53**	37	PN
R0827	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	41	**43**	31	**46**	**43**	**50**	31	PN
R0828	Residential	NCA01	35	**46**	**52**	**48**	32	**52**	41	**43**	31	**45**	**43**	**50**	32	PN
R0829	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**44**	**44**	32	**47**	**43**	**50**	33	PN
R0830	Residential	NCA01	31	**44**	**51**	**47**	33	**50**	34	35	24	42	41	**48**	28	PN
R0831	Residential	NCA01	40	**48**	**50**	**48**	32	**49**	**46**	**48**	37	**52**	**45**	**52**	37	PN
R0832	Residential	NCA01	38	**48**	**53**	**50**	33	**53**	**46**	**48**	34	**49**	**44**	**51**	35	PN
R0833	Residential	NCA01	41	**47**	**52**	**49**	32	**51**	**45**	**47**	36	**52**	**44**	**51**	38	PN
R0834	Residential	NCA01	37	**47**	**53**	**49**	32	**52**	**43**	**45**	34	**48**	**44**	**50**	34	PN
R0835	Residential	NCA01	40	**50**	**49**	**45**	28	**50**	**43**	**45**	34	**52**	**47**	**54**	37	PN
R0836	Residential	NCA01	28	41	**48**	**44**	30	**48**	35	36	25	39	38	**46**	25	PN
R0837	Residential	NCA01	31	37	**43**	39	25	**43**	35	37	25	39	34	41	28	-
R0838	Residential	NCA01	35	**46**	**52**	**48**	33	**51**	42	**43**	31	**46**	**43**	**49**	32	PN
R0839	Residential	NCA01	42	**50**	**51**	**47**	31	**51**	**46**	**48**	36	**53**	**47**	**54**	39	PN
R0840	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	**43**	**45**	33	**47**	**44**	**51**	34	PN
R0841	Residential	NCA03	38	**51**	**44**	41	27	**43**	37	39	29	**50**	**48**	**55**	35	PN
R0842	Educational institute	NCA03	45	37	36	33	19	36	29	30	17	40	34	41	42	-
R0843	Residential	NCA01	**43**	**52**	**49**	**50**	29	**49**	**46**	**48**	36	**53**	**48**	**55**	40	PN
R0844	Residential	NCA01	37	**46**	**51**	**48**	32	**51**	**43**	**45**	33	**47**	**44**	**50**	34	PN
R0845	Residential	NCA01	39	**47**	**52**	**48**	33	**52**	**45**	**47**	34	**51**	**43**	**50**	36	PN
R0846	Residential	NCA03	38	**48**	**44**	41	27	**43**	38	40	29	**54**	**46**	**53**	35	PN
R0847	Residential	NCA01	40	**48**	**53**	**49**	32	**52**	**45**	**47**	35	**51**	**45**	**52**	37	PN
R0848	Residential	NCA01	26	33	38	34	21	38	31	32	21	37	29	36	23	-
R0849	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**43**	**45**	33	**47**	**43**	**50**	33	PN
R0850	Residential	NCA01	**47**	**52**	**50**	**47**	31	**50**	**46**	**48**	37	**56**	**49**	**56**	**44**	PN
R0851	Active recreation	NCA03	46	53	50	49	32	53	46	48	35	58	50	57	43	-
R0852	Medical facility	NCA03	44	43	38	35	21	38	31	33	22	45	40	47	41	-
R0853	Residential	NCA01	30	40	**48**	**44**	29	**47**	37	38	26	39	38	**45**	27	PN
R0854	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	40	42	30	**43**	**43**	**50**	31	PN
R0855	Residential	NCA01	**48**	**53**	**54**	**51**	35	**54**	**49**	**51**	37	**57**	**49**	**56**	**45**	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0856	Residential	NCA03	40	**53**	**47**	**44**	29	**47**	41	**43**	31	**53**	**51**	**58**	37	PN, V, SN, RO
R0857	Residential	NCA03	41	**51**	**50**	**47**	32	**50**	**44**	**46**	33	**55**	**48**	**55**	38	PN
R0858	Residential	NCA01	26	32	38	34	21	38	30	32	21	38	29	36	23	-
R0859	Residential	NCA01	37	**46**	**52**	**49**	33	**53**	42	**44**	32	**47**	**44**	**51**	34	PN
R0860	Residential	NCA01	41	**52**	**58**	**54**	38	**54**	**50**	**52**	40	**53**	**49**	**55**	38	PN, V, SN, RO
R0861	Residential	NCA01	34	**46**	**52**	**48**	34	**52**	41	**43**	32	**46**	**43**	**50**	31	PN
R0862	Residential	NCA01	31	**43**	**51**	**47**	33	**50**	35	38	24	42	41	**48**	28	PN
R0863	Residential	NCA03	36	**52**	**45**	41	28	**44**	38	40	29	**47**	**50**	**56**	33	PN
R0864	Residential	NCA03	40	**50**	**50**	**47**	31	**51**	**45**	**47**	34	**54**	**48**	**54**	37	PN
R0865	Residential	NCA03	40	**52**	**48**	**45**	30	**48**	42	**43**	33	**54**	**49**	**56**	37	PN
R0866	Educational institute	NCA03	40	39	38	34	20	38	31	33	20	43	36	43	37	-
R0867	Residential	NCA01	39	**49**	**52**	**50**	34	**53**	**46**	**48**	36	**50**	**44**	**51**	36	PN
R0868	Residential	NCA03	37	**51**	**44**	40	26	**44**	36	38	25	**54**	**47**	**54**	34	PN
R0869	Residential	NCA03	40	**52**	**48**	**45**	30	**48**	42	**44**	33	**55**	**49**	**55**	37	PN
R0870	Residential	NCA03	**47**	**47**	**43**	39	24	42	35	37	26	**49**	**45**	**52**	**44**	PN
R0871	Residential	NCA01	37	**46**	**52**	**49**	34	**52**	**44**	**45**	35	**48**	**44**	**51**	34	PN
R0872	Residential	NCA03	40	**51**	**46**	**43**	28	**46**	40	42	31	**54**	**48**	**54**	37	PN
R0873	Residential	NCA01	33	42	**50**	**46**	32	**49**	37	40	28	**44**	40	**46**	30	PN
R0874	Residential	NCA03	40	**48**	**47**	**43**	29	**45**	40	41	31	**52**	**46**	**52**	37	PN
R0875	Residential	NCA03	40	**51**	**48**	**45**	30	**48**	42	**43**	32	**55**	**48**	**55**	37	PN
R0876	Residential	NCA01	36	**47**	**52**	**49**	33	**52**	**43**	**45**	34	**47**	**44**	**51**	33	PN
R0877	Residential	NCA03	42	**45**	40	36	22	39	33	34	22	**48**	**43**	**50**	39	PN
R0878	Residential	NCA03	37	**45**	**46**	42	27	**46**	39	40	26	**48**	**45**	**52**	34	PN
R0879	Residential	NCA03	42	**52**	**45**	41	27	**45**	37	39	28	**57**	**50**	**56**	39	PN
R0880	Residential	NCA01	40	**51**	**49**	**47**	30	**49**	**43**	**45**	34	**52**	**48**	**55**	37	PN
R0881	Residential	NCA01	36	**47**	**50**	**49**	32	**50**	**43**	**44**	33	**46**	**43**	**50**	33	PN
R0882	Residential	NCA03	42	**52**	**49**	**45**	31	**49**	42	**44**	33	**56**	**50**	**57**	39	PN
R0883	Residential	NCA03	**49**	**54**	**53**	**49**	33	**54**	**47**	**49**	37	**60**	**51**	**58**	**46**	PN, V, SN, RO
R0884	Residential	NCA01	36	**46**	**53**	**49**	32	**53**	**43**	**45**	33	**47**	**44**	**51**	33	PN
R0885	Residential	NCA01	**46**	**52**	**50**	**49**	30	**50**	**47**	**49**	37	**55**	**49**	**56**	**43**	PN
R0886	Residential	NCA01	38	**48**	**53**	**50**	36	**52**	**46**	**48**	37	**49**	**45**	**52**	35	PN
R0887	Residential	NCA01	29	36	42	38	25	42	33	35	25	41	33	40	26	-
R0888	Educational institute	NCA03	44	42	42	38	24	41	34	36	24	48	39	46	41	-
R0889	Residential	NCA03	**45**	**46**	42	38	24	41	35	37	26	**50**	**44**	**51**	42	PN
R0890	Residential	NCA01	29	40	**48**	**44**	30	**47**	36	37	26	41	38	**45**	26	PN
R0891	Residential	NCA01	40	**48**	**53**	**49**	32	**53**	**45**	**47**	35	**51**	**44**	**51**	37	PN
R0892	Educational institute	NCA03	48	43	40	36	23	40	33	34	24	46	41	48	45	-
R0893	Residential	NCA01	40	**48**	**53**	**49**	34	**53**	**46**	**48**	36	**51**	**44**	**51**	37	PN
R0894	Residential	NCA01	42	**50**	**53**	**50**	35	**53**	**47**	**48**	37	**53**	**47**	**54**	39	PN
R0895	Residential	NCA03	**47**	**51**	**45**	42	28	**44**	38	40	29	**53**	**49**	**55**	**44**	PN
R0896	Residential	NCA03	**45**	**44**	41	38	23	40	34	36	25	**48**	42	**50**	42	PN
R0897	Residential	NCA01	35	**46**	**52**	**48**	33	**52**	41	**43**	29	**46**	**43**	**50**	32	PN
R0898	Residential	NCA03	39	**51**	42	38	25	41	35	36	24	**50**	**48**	**55**	36	PN
R0899	Residential	NCA01	39	**48**	**54**	**50**	37	**51**	**46**	**48**	38	**50**	**45**	**52**	36	PN
R0900	Residential	NCA01	39	**48**	**53**	**50**	36	**53**	**45**	**47**	37	**51**	**45**	**52**	36	PN
R0901	Residential	NCA01	30	40	**48**	**44**	29	**47**	36	38	26	41	38	**45**	27	PN
R0902	Residential	NCA01	37	**48**	**54**	**50**	35	**53**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R0903	Residential	NCA01	32	42	**49**	**45**	30	**49**	38	39	28	41	40	**47**	29	PN
R0904	Residential	NCA01	27	34	41	37	23	42	33	34	23	39	31	38	24	-
R0905	Residential	NCA01	**47**	**53**	**53**	**50**	34	**51**	**47**	**49**	37	**57**	**50**	**57**	**44**	PN
R0906	Residential	NCA03	34	**51**	**43**	40	26	**43**	36	38	28	**46**	**49**	**56**	31	PN
R0907	Residential	NCA01	28	35	41	38	24	41	32	34	24	39	32	38	25	-
R0908	Residential	NCA01	**47**	**52**	**50**	**50**	30	**49**	**47**	**49**	37	**56**	**48**	**55**	**44**	PN
R0909	Residential	NCA03	42	**52**	**48**	**44**	29	**47**	41	**43**	31	**57**	**49**	**56**	39	PN
R0910	Residential	NCA01	28	34	41	37	23	41	31	33	23	39	32	38	25	-
R0911	Residential	NCA01	36	**48**	**53**	**50**	35	**53**	**44**	**46**	34	**48**	**45**	**51**	33	PN
R0912	Residential	NCA01	34	**45**	**52**	**48**	35	**52**	40	42	31	**45**	**43**	**50**	31	PN
R0913	Educational institute	NCA03	47	42	39	36	22	39	32	34	22	45	39	46	44	-
R0914	Residential	NCA03	42	**52**	**49**	**45**	30	**48**	42	**43**	32	**57**	**50**	**57**	39	PN
R0915	Residential	NCA03	**53**	**48**	**43**	39	25	42	36	37	26	**51**	**45**	**52**	**50**	PN
R0916	Residential	NCA03	**46**	**53**	**47**	**44**	28	**46**	41	42	31	**54**	**51**	**57**	**43**	PN
R0917	Residential	NCA01	36	**48**	**53**	**50**	34	**53**	**44**	**45**	34	**47**	**45**	**52**	33	PN
R0918	Residential	NCA01	41	**50**	**54**	**51**	37	**54**	**46**	**48**	38	**52**	**46**	**53**	38	PN
R0919	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	**43**	**45**	33	**48**	**44**	**51**	34	PN
R0920	Residential	NCA01	38	**47**	**53**	**49**	35	**53**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0921	Residential	NCA03	42	**53**	**47**	**43**	29	**45**	40	42	31	**57**	**50**	**57**	39	PN
R0922	Residential	NCA01	26	39	**46**	42	28	**45**	32	34	22	37	36	42	23	-
R0923	Residential	NCA01	**46**	**52**	**51**	**47**	30	**50**	**47**	**49**	38	**54**	**49**	**54**	**43**	PN
R0924	Residential	NCA01	30	**47**	**52**	**49**	33	**52**	37	39	27	42	**44**	**51**	27	PN
R0925	Residential	NCA01	**46**	**53**	**51**	**51**	30	**50**	**47**	**49**	38	**56**	**49**	**56**	**43**	PN
R0926	Residential	NCA01	38	**47**	**52**	**49**	35	**52**	**45**	**47**	36	**49**	**44**	**51**	35	PN
R0927	Residential	NCA03	**43**	**51**	**47**	**44**	29	**46**	41	42	31	**56**	**49**	**56**	40	PN
R0928	Residential	NCA03	41	**51**	**48**	**45**	30	**48**	42	**44**	32	**55**	**48**	**55**	38	PN
R0929	Residential	NCA01	29	41	**48**	**44**	30	**48**	35	36	25	40	38	**45**	26	PN
R0930	Residential	NCA01	24	38	**45**	41	28	**45**	30	32	20	35	36	42	21	-
R0931	Residential	NCA01	28	35	**43**	39	25	**45**	32	33	23	40	33	40	25	-
R0932	Residential	NCA03	**52**	**48**	**43**	40	26	42	36	38	26	**51**	**46**	**53**	**49**	PN
R0933	Residential	NCA01	**47**	**53**	**54**	**51**	35	**51**	**49**	**51**	37	**57**	**49**	**56**	**44**	PN
R0934	Residential	NCA01	27	36	**43**	39	25	42	32	34	23	39	33	40	24	-
R0935	Residential	NCA01	33	**47**	**52**	**49**	31	**52**	41	**43**	30	**45**	**44**	**50**	30	PN
R0936	Residential	NCA03	39	**49**	**44**	41	27	**43**	38	39	29	**56**	**48**	**54**	36	PN
R0937	Residential	NCA01	32	**46**	**52**	**48**	32	**52**	37	39	25	41	**43**	**50**	29	PN
R0938	Residential	NCA01	22	32	38	34	20	38	29	32	17	33	29	36	19	-
R0939	Residential	NCA01	31	**44**	**52**	**48**	33	**52**	38	39	28	42	42	**49**	28	PN
R0940	Residential	NCA01	42	**52**	**53**	**50**	32	**53**	**47**	**49**	36	**53**	**48**	**55**	39	PN
R0941	Residential	NCA01	40	**49**	**53**	**49**	33	**53**	**46**	**47**	35	**51**	**45**	**52**	37	PN
R0942	Residential	NCA01	40	**49**	**53**	**50**	35	**54**	**46**	**48**	36	**50**	**45**	**52**	37	PN
R0943	Residential	NCA03	41	**54**	**45**	**43**	28	**45**	39	41	30	**55**	**50**	**57**	38	PN
R0944	Residential	NCA03	**46**	**46**	**43**	39	24	42	35	37	26	**49**	**44**	**50**	**43**	PN
R0945	Residential	NCA01	**44**	**51**	**51**	**50**	31	**50**	**47**	**49**	38	**55**	**49**	**56**	41	PN
R0946	Residential	NCA03	**52**	**54**	**44**	40	26	**43**	37	38	27	**52**	**51**	**57**	**49**	PN
R0947	Residential	NCA01	32	**46**	**52**	**48**	31	**52**	**43**	**44**	30	**43**	**43**	**50**	29	PN
R0948	Residential	NCA01	34	**46**	**52**	**48**	32	**51**	42	**43**	31	**46**	**43**	**50**	31	PN
R0949	Residential	NCA01	36	**48**	**54**	**50**	35	**54**	**44**	**46**	34	**48**	**45**	**52**	33	PN
R0950	Residential	NCA03	39	**50**	**47**	42	29	**45**	39	40	30	**48**	**48**	**54**	36	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0951	Residential	NCA01	**43**	**53**	**53**	**50**	35	**53**	**46**	**48**	35	**54**	**50**	**57**	40	PN
R0952	Residential	NCA01	32	**44**	**51**	**47**	33	**51**	38	39	27	**43**	41	**49**	29	PN
R0953	Residential	NCA01	37	**47**	**52**	**49**	32	**53**	**43**	**46**	33	**48**	**44**	**51**	34	PN
R0954	Residential	NCA03	34	**46**	**44**	40	26	42	36	38	25	**51**	**44**	**50**	31	PN
R0955	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	38	39	28	**44**	42	**48**	28	PN
R0956	Residential	NCA01	34	**46**	**51**	**48**	33	**51**	42	**44**	30	**45**	**43**	**50**	31	PN
R0957	Residential	NCA01	23	29	36	32	18	35	26	28	18	35	26	33	20	-
R0958	Residential	NCA01	37	**47**	**52**	**49**	32	**52**	**44**	**45**	32	**48**	**44**	**51**	34	PN
R0959	Residential	NCA01	38	**49**	**54**	**51**	35	**55**	**44**	**46**	34	**49**	**46**	**53**	35	PN
R0960	Residential	NCA01	29	36	42	38	24	42	32	35	24	40	33	39	26	-
R0961	Residential	NCA01	42	**51**	**53**	**50**	33	**53**	**47**	**48**	37	**54**	**49**	**55**	39	PN
R0962	Residential	NCA01	31	42	**49**	**45**	30	**49**	37	39	27	42	39	**47**	28	PN
R0963	Residential	NCA01	30	36	**43**	39	26	**43**	35	37	26	41	34	41	27	-
R0964	Residential	NCA01	36	**48**	**53**	**50**	36	**53**	**43**	**45**	33	**46**	**44**	**51**	33	PN
R0965	Residential	NCA01	35	**47**	**53**	**49**	34	**53**	42	**44**	32	**47**	**44**	**51**	32	PN
R0966	Residential	NCA03	42	**54**	**48**	**44**	30	**47**	41	**43**	32	**55**	**50**	**57**	39	PN
R0967	Residential	NCA01	27	35	42	38	25	**44**	30	32	22	39	32	40	24	-
R0968	Residential	NCA01	36	**47**	**53**	**49**	35	**53**	**44**	**45**	34	**48**	**45**	**52**	33	PN
R0969	Residential	NCA01	38	**47**	**52**	**49**	32	**52**	**43**	**45**	33	**47**	**44**	**51**	35	PN
R0970	Medical facility	NCA03	44	43	39	35	21	38	32	34	23	45	39	46	41	-
R0971	Residential	NCA01	28	36	42	38	24	**43**	33	35	24	40	33	40	25	-
R0972	Residential	NCA01	39	**48**	**54**	**50**	36	**54**	**46**	**48**	37	**48**	**45**	**52**	36	PN
R0973	Residential	NCA01	41	**52**	**53**	**49**	31	**52**	**44**	**45**	35	**53**	**48**	**55**	38	PN
R0974	Residential	NCA01	41	**49**	**54**	**50**	34	**54**	**47**	**48**	38	**50**	**45**	**52**	38	PN
R0975	Medical facility	NCA01	31	40	48	44	30	48	37	39	27	42	38	45	28	-
R0976	Residential	NCA01	**48**	**53**	**53**	**51**	33	**51**	**47**	**49**	36	**57**	**49**	**56**	**45**	PN
R0977	Residential	NCA01	36	**47**	**53**	**49**	33	**53**	**43**	**44**	33	**47**	**44**	**51**	33	PN
R0978	Residential	NCA01	38	**47**	**53**	**49**	32	**53**	**43**	**45**	33	**47**	**44**	**51**	35	PN
R0979	Residential	NCA03	41	**51**	**43**	39	25	42	36	38	25	**56**	**48**	**55**	38	PN
R0980	Residential	NCA03	40	**53**	**45**	42	28	**44**	39	41	30	**55**	**50**	**56**	37	PN
R0981	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	40	41	30	**46**	**43**	**49**	31	PN
R0982	Residential	NCA03	39	**51**	**46**	42	28	**45**	39	41	30	**56**	**49**	**56**	36	PN
R0983	Residential	NCA01	34	**46**	**53**	**49**	34	**52**	41	42	30	**44**	**43**	**50**	31	PN
R0984	Residential	NCA01	38	**49**	**54**	**51**	35	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN
R0985	Residential	NCA01	41	**49**	**53**	**50**	33	**53**	**46**	**48**	35	**51**	**45**	**52**	38	PN
R0986	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R0987	Residential	NCA03	**43**	**52**	**49**	**46**	31	**49**	**43**	**45**	32	**55**	**49**	**55**	40	PN
R0988	Residential	NCA01	27	35	41	37	24	41	32	33	22	39	31	38	24	-
R0989	Medical facility	NCA03	41	40	37	34	20	37	30	32	20	43	36	44	38	-
R0990	Residential	NCA01	40	**48**	**53**	**50**	34	**54**	**47**	**48**	37	**51**	**45**	**52**	37	PN
R0991	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN
R0992	Residential	NCA01	35	**48**	**53**	**50**	36	**54**	42	**44**	32	**46**	**45**	**51**	32	PN
R0993	Residential	NCA01	28	36	**44**	40	26	**45**	33	35	23	39	34	40	25	-
R0994	Residential	NCA01	36	**48**	**54**	**50**	36	**54**	**44**	**45**	34	**48**	**45**	**52**	33	PN
R0995	Residential	NCA01	36	**47**	**53**	**50**	34	**53**	**44**	**46**	34	**47**	**44**	**52**	33	PN
R0996	Residential	NCA03	41	**52**	**48**	**44**	30	**46**	41	**43**	32	**57**	**50**	**57**	38	PN
R0997	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	42	**44**	31	**46**	**43**	**50**	33	PN
R0998	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	40	41	29	**44**	42	**49**	30	PN
R0999	Residential	NCA03	**52**	**50**	**43**	39	25	42	36	37	27	**53**	**48**	**54**	**49**	PN
R1000	Residential	NCA01	34	**47**	**53**	**49**	33	**53**	40	42	29	**45**	**44**	**51**	31	PN
R1001	Residential	NCA01	37	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**48**	**44**	**51**	34	PN
R1002	Residential	NCA01	37	**49**	**54**	**51**	35	**54**	**44**	**46**	34	**48**	**46**	**53**	34	PN
R1003	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN
R1004	Residential	NCA01	33	42	**49**	**45**	30	**48**	39	41	29	**44**	39	**46**	30	PN
R1005	Residential	NCA01	26	31	37	33	20	37	28	30	20	37	28	35	23	-
R1006	Residential	NCA01	32	**43**	**51**	**47**	32	**50**	38	40	29	**43**	41	**47**	29	PN
R1007	Residential	NCA03	40	**53**	**46**	42	29	**45**	38	40	28	**55**	**50**	**56**	37	PN
R1008	Residential	NCA01	27	37	**45**	42	27	**45**	30	32	22	39	35	42	24	-
R1009	Residential	NCA01	40	**48**	**53**	**50**	34	**54**	**45**	**48**	36	**51**	**45**	**52**	37	PN
R1010	Residential	NCA01	32	**44**	**52**	**48**	33	**51**	38	40	28	42	42	**49**	29	PN
R1011	Residential	NCA03	42	**54**	**48**	**44**	30	**47**	40	42	31	**57**	**51**	**58**	39	PN, V, SN, RO
R1012	Residential	NCA01	**48**	**53**	**53**	**52**	35	**52**	**50**	**52**	38	**57**	**50**	**57**	**45**	PN
R1013	Residential	NCA01	**45**	**52**	**51**	**50**	31	**50**	**47**	**49**	35	**54**	**49**	**56**	42	PN
R1014	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	36	38	26	**45**	**43**	**50**	31	PN
R1015	Residential	NCA01	31	39	**45**	41	27	**45**	37	38	26	41	36	**43**	28	-
R1016	Residential	NCA01	41	**50**	**53**	**51**	35	**53**	**47**	**49**	37	**51**	**45**	**53**	38	PN
R1017	Residential	NCA03	**52**	**54**	**44**	40	26	**43**	37	39	27	**53**	**52**	**57**	**49**	PN
R1018	Residential	NCA01	42	**50**	**56**	**52**	38	**55**	**48**	**50**	39	**53**	**47**	**53**	39	PN
R1019	Residential	NCA01	32	**43**	**49**	**45**	29	**49**	40	42	31	**44**	40	**47**	29	PN
R1020	Residential	NCA01	31	**46**	**52**	**48**	33	**52**	38	39	27	42	**43**	**50**	28	PN
R1021	Residential	NCA01	37	**47**	**53**	**49**	34	**53**	**43**	**45**	34	**47**	**44**	**51**	34	PN
R1022	Residential	NCA01	40	**48**	**54**	**50**	33	**54**	**46**	**48**	35	**51**	**45**	**52**	37	PN
R1023	Residential	NCA01	42	**50**	**56**	**51**	38	**55**	**48**	**50**	39	**52**	**46**	**54**	39	PN
R1024	Residential	NCA03	39	**56**	**46**	**43**	28	**45**	40	42	30	**54**	**54**	**58**	36	PN, V, SN, RO
R1025	Medical facility	NCA01	34	46	52	48	34	52	41	42	30	46	43	50	31	-
R1026	Residential	NCA01	28	35	42	38	24	42	32	34	23	40	33	40	25	-
R1027	Residential	NCA03	**43**	**55**	**45**	42	28	**45**	39	41	30	**54**	**52**	**57**	40	PN
R1028	Residential	NCA01	39	**49**	**53**	**49**	34	**53**	**46**	**48**	37	**50**	**45**	**52**	36	PN
R1029	Residential	NCA03	**43**	**52**	**50**	**47**	31	**50**	**45**	**47**	34	**56**	**48**	**55**	40	PN
R1030	Residential	NCA01	28	38	**46**	42	28	**45**	31	33	23	39	35	42	25	-
R1031	Residential	NCA03	42	**52**	**49**	**45**	31	**48**	42	**44**	31	**56**	**49**	**56**	39	PN
R1032	Residential	NCA01	36	**47**	**52**	**49**	32	**52**	**44**	**45**	34	**48**	**44**	**51**	33	PN
R1033	Residential	NCA01	41	**49**	**55**	**51**	37	**53**	**47**	**49**	38	**52**	**46**	**54**	38	PN
R1034	Residential	NCA01	**48**	**54**	**52**	**53**	35	**52**	**50**	**52**	39	**57**	**51**	**58**	**45**	PN, V, SN, RO
R1035	Residential	NCA01	38	**47**	**53**	**49**	33	**53**	42	**44**	31	**49**	**44**	**51**	35	PN
R1036	Residential	NCA03	**44**	**54**	**46**	42	27	**45**	40	41	29	**53**	**51**	**58**	41	PN, V, SN, RO
R1037	Medical facility	NCA03	46	43	39	35	22	38	32	33	23	45	40	47	43	-
R1038	Residential	NCA01	28	36	**43**	39	24	**43**	34	35	24	40	33	40	25	-
R1039	Residential	NCA01	35	**47**	**52**	**48**	31	**52**	**45**	**47**	32	**47**	**45**	**52**	32	PN
R1040	Residential	NCA01	33	**47**	**53**	**49**	35	**53**	39	41	30	**45**	**44**	**50**	30	PN
R1041	Residential	NCA01	28	37	**45**	40	26	**43**	31	33	22	40	34	40	25	-
R1042	Residential	NCA01	40	**48**	**54**	**50**	34	**54**	**46**	**48**	37	**50**	**45**	**52**	37	PN
R1043	Residential	NCA01	**47**	**54**	**54**	**51**	36	**53**	**49**	**51**	38	**57**	**50**	**57**	**44**	PN
R1044	Residential	NCA01	37	**48**	**54**	**51**	34	**54**	41	**43**	32	**48**	**46**	**53**	34	PN
R1045	Residential	NCA01	38	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
			Residential: Noticeable		Clearly audible			Moderately intrusive		Highly intrusive **Bold** Highly noise affected						
			Non-residential: Exceeds noise management level													
R1046	Residential	NCA03	**47**	**45**	41	38	24	41	34	36	24	**49**	**43**	**50**	**44**	PN
R1047	Residential	NCA03	41	**52**	**48**	**45**	30	**46**	42	**43**	31	**56**	**49**	**56**	38	PN
R1048	Residential	NCA03	**43**	**55**	**47**	**43**	29	**45**	41	**43**	31	**56**	**52**	**59**	40	PN, V, SN, RO
R1049	Residential	NCA03	**44**	**54**	**48**	**45**	31	**48**	42	**44**	32	**54**	**51**	**58**	41	PN, V, SN, RO
R1050	Residential	NCA01	37	**49**	**55**	**51**	36	**54**	**44**	**46**	34	**49**	**46**	**53**	34	PN
R1051	Residential	NCA01	29	37	**44**	40	26	**45**	34	36	25	41	34	41	26	-
R1052	Residential	NCA03	40	**53**	40	38	23	38	35	36	26	**56**	**50**	**57**	37	PN
R1053	Residential	NCA01	**47**	**54**	**53**	**52**	36	**53**	**48**	**50**	39	**57**	**50**	**57**	**44**	PN
R1054	Residential	NCA03	**46**	**54**	**51**	**47**	33	**50**	**44**	**46**	32	**59**	**51**	**57**	**43**	PN, V, SN, RO
R1055	Residential	NCA03	**47**	**56**	**46**	42	28	**44**	40	42	29	**55**	**53**	**59**	**44**	PN, V, SN, RO
R1056	Residential	NCA03	**50**	**46**	41	38	24	41	35	37	26	**49**	**43**	**51**	**47**	PN
R1057	Residential	NCA01	40	**49**	**55**	**51**	37	**53**	**47**	**49**	38	**51**	**46**	**53**	37	PN
R1058	Residential	NCA01	37	**49**	**55**	**51**	36	**55**	**44**	**46**	34	**48**	**46**	**54**	34	PN
R1059	Residential	NCA01	35	**48**	**54**	**50**	35	**54**	**46**	**48**	36	**46**	**45**	**52**	32	PN
R1060	Residential	NCA01	**47**	**54**	**53**	**51**	35	**53**	**48**	**50**	39	**56**	**50**	**57**	**44**	PN
R1061	Residential	NCA01	34	**45**	**52**	**48**	32	**52**	41	**43**	31	**45**	**43**	**50**	31	PN
R1062	Residential	NCA03	**44**	**56**	**47**	**43**	28	**45**	40	42	30	**55**	**53**	**60**	41	PN, V, SN, RO
R1063	Residential	NCA01	36	**48**	**54**	**50**	35	**53**	**43**	**45**	34	**47**	**45**	**52**	33	PN
R1064	Residential	NCA03	**43**	**56**	**46**	**43**	29	**45**	41	**43**	31	**57**	**53**	**59**	40	PN, V, SN, RO
R1065	Residential	NCA01	**46**	**53**	**53**	**50**	34	**53**	**47**	**49**	36	**55**	**50**	**57**	**43**	PN
R1066	Residential	NCA01	**48**	**54**	**53**	**50**	36	**53**	**49**	**50**	39	**56**	**50**	**57**	**45**	PN
R1067	Residential	NCA03	41	**55**	**46**	**43**	29	**45**	40	41	30	**50**	**52**	**56**	38	PN
R1068	Residential	NCA01	41	**48**	**52**	**50**	31	**52**	**47**	**48**	36	**52**	**45**	**52**	38	PN
R1069	Residential	NCA01	33	42	**48**	**45**	29	**48**	40	41	29	**43**	39	**46**	30	PN
R1070	Residential	NCA01	36	**47**	**53**	**50**	33	**52**	**45**	**46**	34	**46**	**45**	**52**	33	PN
R1071	Residential	NCA03	**43**	**55**	**47**	**44**	30	**47**	41	**43**	32	**58**	**52**	**59**	40	PN, V, SN, RO
R1072	Residential	NCA01	38	**50**	**55**	**52**	36	**54**	**44**	**46**	34	**48**	**47**	**53**	35	PN
R1073	Residential	NCA03	**50**	**46**	41	37	24	40	34	36	25	**50**	**43**	**51**	**47**	PN
R1074	Residential	NCA01	**44**	**52**	**53**	**49**	32	**53**	**47**	**48**	38	**54**	**49**	**56**	41	PN
R1075	Residential	NCA01	30	39	**46**	42	28	**46**	36	38	24	41	37	**44**	27	-
R1076	Residential	NCA03	**56**	**43**	34	31	17	34	26	27	16	**44**	42	**49**	**53**	PN
R1077	Residential	NCA01	33	**45**	**52**	**48**	34	**52**	40	41	30	**45**	42	**49**	30	PN
R1078	Residential	NCA01	39	**48**	**54**	**50**	36	**54**	**46**	**48**	37	**50**	**45**	**52**	36	PN
R1079	Residential	NCA01	**46**	**53**	**53**	**51**	32	**52**	**47**	**49**	36	**54**	**49**	**56**	**43**	PN
R1080	Residential	NCA01	33	**45**	**52**	**48**	34	**52**	39	40	29	**44**	**43**	**50**	30	PN
R1081	Residential	NCA01	28	37	**43**	40	26	**43**	33	35	24	40	35	40	25	-
R1082	Residential	NCA03	**49**	**55**	**53**	**50**	34	**55**	**47**	**49**	39	**56**	**51**	**58**	**46**	PN, V, SN, RO
R1083	Residential	NCA01	**44**	**50**	**54**	**50**	35	**53**	**46**	**48**	36	**53**	**47**	**53**	41	PN
R1084	Residential	NCA01	38	**48**	**53**	**50**	33	**53**	41	41	30	**49**	**46**	**52**	35	PN
R1085	Residential	NCA01	27	34	40	36	23	40	32	34	23	39	31	38	24	-
R1086	Educational institute	NCA03	52	43	41	37	24	40	34	36	24	47	40	45	49	-
R1087	Medical facility	NCA03	45	44	39	35	22	39	32	34	24	45	40	47	42	-
R1088	Residential	NCA03	**56**	**47**	42	38	24	41	35	36	26	**50**	**44**	**50**	**53**	PN
R1089	Residential	NCA01	33	**43**	**51**	**47**	32	**51**	39	41	29	**44**	41	**48**	30	PN
R1090	Residential	NCA01	24	30	34	30	17	34	26	28	18	36	27	34	21	-
R1091	Residential	NCA03	**44**	**51**	**48**	**44**	30	**48**	41	42	31	**57**	**48**	**55**	41	PN
R1092	Residential	NCA01	37	**48**	**54**	**50**	34	**54**	**43**	**45**	33	**48**	**46**	**52**	34	PN
R1093	Residential	NCA01	40	**49**	**54**	**51**	34	**54**	**47**	**49**	37	**51**	**46**	**53**	37	PN
R1094	Residential	NCA03	41	**51**	**44**	42	26	42	39	41	30	**56**	**49**	**56**	38	PN
R1095	Residential	NCA03	41	**55**	**46**	**45**	29	**45**	42	**43**	32	**57**	**52**	**58**	38	PN, V, SN, RO
R1096	Residential	NCA01	24	30	35	32	18	35	28	30	19	36	27	34	21	-
R1097	Residential	NCA03	40	**52**	**44**	41	26	**43**	37	39	28	**54**	**49**	**54**	37	PN
R1098	Residential	NCA01	23	32	38	34	20	38	27	29	17	34	30	36	20	-
R1099	Medical facility	NCA03	44	44	39	35	22	39	32	34	23	45	40	47	41	-
R1100	Residential	NCA01	30	38	**44**	40	25	**43**	35	37	26	42	35	42	27	-
R1101	Residential	NCA03	42	**53**	**46**	**44**	29	**45**	41	**43**	31	**57**	**49**	**56**	39	PN
R1102	Residential	NCA01	36	**48**	**53**	**50**	34	**53**	**43**	**45**	34	**48**	**45**	**52**	33	PN
R1103	Residential	NCA03	**53**	**46**	41	38	24	41	34	36	22	**50**	**44**	**52**	**50**	PN
R1104	Residential	NCA03	40	**50**	42	39	25	41	36	38	26	**51**	**47**	**54**	37	PN
R1105	Residential	NCA01	30	41	**49**	**45**	30	**48**	33	35	25	41	39	**45**	27	PN
R1106	Residential	NCA01	30	**43**	**51**	**47**	32	**50**	37	38	27	42	41	**47**	27	PN
R1107	Residential	NCA03	**45**	**53**	**50**	**47**	32	**49**	**45**	**46**	34	**56**	**50**	**57**	42	PN
R1108	Residential	NCA01	**47**	**54**	**54**	**51**	35	**54**	**48**	**49**	38	**55**	**51**	**58**	**44**	PN, V, SN, RO
R1109	Residential	NCA01	27	39	**46**	42	27	**46**	29	31	20	38	36	**43**	24	-
R1110	Residential	NCA01	23	35	41	37	23	41	26	28	18	35	32	37	20	-
R1111	Residential	NCA01	34	**47**	**54**	**49**	35	**53**	40	42	30	**45**	**44**	**51**	31	PN
R1112	Residential	NCA01	32	**44**	**50**	**47**	31	**50**	39	41	29	**44**	42	**49**	29	PN
R1113	Residential	NCA03	**54**	**50**	42	39	25	42	35	37	25	**52**	**48**	**55**	**51**	PN
R1114	Residential	NCA01	33	42	**49**	**45**	30	**49**	39	41	29	**44**	39	**46**	30	PN
R1115	Residential	NCA01	29	38	**45**	41	27	**45**	36	37	26	40	35	42	26	-
R1116	Residential	NCA03	**43**	**54**	**46**	42	28	**44**	39	41	30	**50**	**51**	**58**	40	PN, V, SN, RO
R1117	Residential	NCA01	41	**50**	**55**	**50**	36	**54**	**48**	**49**	38	**53**	**46**	**54**	38	PN
R1118	Residential	NCA01	30	39	**47**	**43**	29	**47**	33	35	25	41	37	**43**	27	-
R1119	Residential	NCA01	39	**49**	**54**	**51**	37	**54**	**47**	**49**	38	**51**	**46**	**53**	36	PN
R1120	Residential	NCA01	41	**51**	**57**	**53**	39	**55**	**49**	**51**	40	**52**	**48**	**56**	38	PN
R1121	Residential	NCA01	41	**50**	**55**	**52**	37	**53**	**48**	**50**	37	**51**	**47**	**54**	38	PN
R1122	Residential	NCA01	26	31	36	32	19	35	27	29	20	38	28	35	23	-
R1123	Residential	NCA03	**52**	**46**	39	36	22	39	32	34	22	**51**	**43**	**50**	**49**	PN
R1124	Residential	NCA01	41	**49**	**55**	**51**	36	**54**	**46**	**48**	37	**50**	**46**	**53**	38	PN
R1125	Residential	NCA01	36	**48**	**54**	**50**	33	**54**	38	40	28	**48**	**45**	**52**	33	PN
R1126	Residential	NCA01	34	**46**	**53**	**50**	35	**53**	40	42	30	**45**	**44**	**51**	31	PN
R1127	Residential	NCA01	41	**51**	**56**	**53**	39	**56**	**48**	**51**	40	**52**	**48**	**55**	38	PN
R1128	Residential	NCA03	40	**54**	**44**	40	25	**43**	36	38	27	**53**	**52**	**58**	37	PN, V, SN, RO
R1129	Residential	NCA01	26	34	40	36	22	40	31	33	23	38	31	37	23	-
R1130	Residential	NCA01	41	**49**	**56**	**52**	38	**53**	**48**	**50**	39	**51**	**46**	**53**	38	PN
R1131	Residential	NCA03	**54**	**46**	39	35	21	38	32	33	22	**46**	42	**49**	**51**	PN
R1132	Residential	NCA01	36	**49**	**54**	**50**	35	**53**	**43**	**44**	34	**47**	**45**	**51**	33	PN
R1133	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	**45**	**47**	34	**49**	**47**	**54**	35	PN
R1134	Commercial	NCA03	46	45	40	37	23	40	33	35	25	47	42	49	43	-
R1135	Residential	NCA01	42	**51**	**56**	**53**	38	**56**	**48**	**51**	39	**52**	**48**	**55**	39	PN
R1136	Residential	NCA01	31	40	**46**	42	27	**46**	37	38	27	42	37	**44**	28	-
R1137	Residential	NCA01	40	**49**	**55**	**52**	35	**55**	**46**	**49**	38	**51**	**46**	**53**	37	PN
R1138	Residential	NCA03	**55**	**51**	**43**	39	26	42	36	37	25	**53**	**49**	**55**	**52**	PN
R1139	Residential	NCA03	**44**	**58**	**48**	**45**	30	**46**	41	**43**	32	**55**	**54**	**60**	41	PN, V, SN, RO
R1140	Residential	NCA01	35	**48**	**53**	**50**	33	**53**	42	**44**	31	**47**	**45**	**53**	32	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1141	Residential	NCA01	31	**43**	**48**	**45**	30	**49**	37	38	27	42	40	**46**	28	PN
R1142	Residential	NCA03	**44**	**52**	**48**	**44**	30	**47**	40	42	31	**56**	**48**	**55**	41	PN
R1143	Residential	NCA01	36	**48**	**53**	**50**	33	**53**	**45**	**45**	33	**46**	**45**	**52**	33	PN
R1144	Residential	NCA01	36	**48**	**54**	**51**	34	**54**	**43**	**44**	33	**48**	**45**	**52**	33	PN
R1145	Residential	NCA01	33	**43**	**50**	**46**	31	**50**	39	41	29	**43**	40	**47**	30	PN
R1146	Residential	NCA03	42	**53**	**46**	**43**	28	**45**	40	41	30	**54**	**50**	**57**	39	PN
R1147	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	**44**	**45**	33	**47**	**44**	**51**	33	PN
R1148	Residential	NCA01	41	**51**	**56**	**53**	37	**56**	**48**	**50**	37	**52**	**48**	**55**	38	PN
R1149	Residential	NCA03	42	**53**	**46**	**44**	29	**45**	41	42	32	**56**	**49**	**56**	39	PN
R1150	Residential	NCA03	**54**	**51**	**44**	41	27	**44**	38	39	26	**53**	**48**	**55**	**51**	PN
R1151	Residential	NCA01	33	**47**	**54**	**50**	37	**54**	41	**43**	31	**44**	**45**	**52**	30	PN
R1152	Residential	NCA03	**50**	**57**	**53**	**51**	34	**53**	**47**	**49**	36	**60**	**53**	**60**	**47**	PN, V, SN, RO
R1153	Residential	NCA03	**43**	**55**	42	39	25	42	36	37	26	**53**	**52**	**59**	40	PN, V, SN, RO
R1154	Residential	NCA03	40	**54**	**44**	41	26	**44**	38	40	29	**53**	**52**	**57**	37	PN
R1155	Residential	NCA01	23	32	37	34	20	39	27	29	19	35	28	34	20	-
R1156	Residential	NCA01	38	**48**	**54**	**50**	35	**53**	**45**	**47**	36	**49**	**45**	**51**	35	PN
R1157	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	38	39	28	**43**	**43**	**49**	28	PN
R1158	Residential	NCA01	36	**48**	**54**	**50**	35	**54**	42	**44**	34	**47**	**45**	**52**	33	PN
R1159	Residential	NCA01	28	36	**44**	39	26	**45**	33	35	24	40	33	41	25	-
R1160	Residential	NCA03	42	**53**	**49**	**46**	31	**49**	**44**	**43**	30	**57**	**50**	**57**	39	PN
R1161	Residential	NCA03	41	**55**	**44**	41	25	**43**	38	39	28	**53**	**52**	**58**	38	PN, V, SN, RO
R1162	Residential	NCA01	28	38	**43**	39	25	**43**	35	36	25	40	34	41	25	-
R1163	Residential	NCA03	40	**51**	**46**	42	28	**45**	40	41	30	**52**	**50**	**57**	37	PN
R1164	Residential	NCA01	28	36	**44**	39	26	**43**	31	33	23	40	33	40	25	-
R1165	Residential	NCA01	28	37	**43**	40	25	**44**	34	35	24	40	34	41	25	-
R1166	Residential	NCA01	35	**47**	**54**	**50**	35	**54**	42	**44**	31	**46**	**45**	**52**	32	PN
R1167	Residential	NCA03	**54**	**53**	**46**	42	27	**44**	38	39	28	**54**	**51**	**57**	**51**	PN
R1168	Residential	NCA03	41	**57**	**45**	41	27	**43**	38	40	29	**55**	**53**	**60**	38	PN, V, SN, RO
R1169	Residential	NCA01	27	33	39	35	23	39	31	33	22	39	30	37	24	-
R1170	Residential	NCA03	**54**	**44**	36	33	18	36	29	31	16	**47**	41	**48**	**51**	PN
R1171	Residential	NCA01	38	**49**	**55**	**51**	36	**55**	**44**	**45**	32	**49**	**46**	**53**	35	PN
R1172	Residential	NCA03	40	**56**	**46**	42	28	**45**	39	41	30	**53**	**53**	**59**	37	PN, V, SN, RO
R1173	Residential	NCA01	31	**43**	**50**	**46**	32	**50**	37	39	27	42	41	**47**	28	PN
R1174	Residential	NCA01	37	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	34	PN
R1175	Residential	NCA01	36	**47**	**53**	**50**	35	**53**	**43**	**44**	33	**47**	**45**	**52**	33	PN
R1176	Residential	NCA01	39	**50**	**56**	**53**	38	**56**	**47**	**49**	39	**51**	**47**	**55**	36	PN
R1177	Residential	NCA01	37	**50**	**55**	**52**	35	**55**	**46**	**48**	35	**49**	**47**	**54**	34	PN
R1178	Residential	NCA01	37	**50**	**55**	**51**	36	**55**	**45**	**47**	35	**48**	**47**	**55**	34	PN
R1179	Commercial	NCA01	36	50	55	52	36	55	44	46	33	48	47	54	33	-
R1180	Residential	NCA01	40	**51**	**56**	**52**	37	**55**	**48**	**49**	38	**51**	**47**	**54**	37	PN
R1181	Residential	NCA03	42	**55**	**45**	42	27	**44**	39	40	30	**55**	**53**	**60**	39	PN, V, SN, RO
R1182	Residential	NCA03	**52**	**57**	**55**	**52**	35	**54**	**49**	**51**	38	**60**	**53**	**60**	**49**	PN, V, SN, RO
R1183	Residential	NCA03	40	**56**	**46**	**43**	29	**45**	40	42	31	**55**	**53**	**60**	37	PN, V, SN, RO
R1184	Residential	NCA03	41	**52**	**52**	**48**	32	**50**	**46**	**48**	35	**58**	**50**	**57**	38	PN, V, SN, RO
R1185	Residential	NCA03	**44**	**56**	**45**	42	27	**44**	39	40	29	**53**	**52**	**59**	41	PN, V, SN, RO
R1186	Residential	NCA01	31	**46**	**51**	**48**	34	**54**	35	36	26	42	42	**49**	28	PN
R1187	Residential	NCA03	**44**	**54**	**49**	**45**	30	**46**	**43**	**44**	32	**57**	**51**	**58**	41	PN, V, SN, RO
R1188	Residential	NCA03	40	**53**	**45**	42	27	**44**	39	40	28	**51**	**52**	**59**	37	PN, V, SN, RO
R1189	Residential	NCA03	42	**55**	**46**	**43**	29	**45**	40	42	30	**56**	**52**	**57**	39	PN
R1190	Residential	NCA01	32	**47**	**55**	**51**	36	**54**	39	40	28	**44**	**45**	**52**	29	PN
R1191	Residential	NCA01	36	**50**	**55**	**52**	38	**55**	**44**	**45**	33	**46**	**47**	**53**	33	PN
R1192	Residential	NCA03	**43**	**52**	**47**	**43**	30	**45**	40	42	31	**57**	**50**	**57**	40	PN
R1193	Residential	NCA01	39	**50**	**56**	**52**	37	**55**	**48**	**49**	38	**51**	**47**	**54**	36	PN
R1194	Residential	NCA01	26	38	**45**	41	28	**45**	30	32	22	38	35	42	23	-
R1195	Residential	NCA01	**47**	**54**	**54**	**53**	36	**53**	**50**	**52**	38	**55**	**50**	**57**	**44**	PN
R1196	Residential	NCA01	32	**46**	**53**	**50**	35	**53**	39	40	29	**44**	**44**	**51**	29	PN
R1197	Residential	NCA03	**58**	**48**	42	38	24	41	34	37	24	**48**	**44**	**51**	**55**	PN, V, SN, RO
R1198	Residential	NCA01	42	**51**	**54**	**50**	34	**54**	**49**	**51**	39	**52**	**47**	**54**	39	PN
R1199	Residential	NCA01	33	**45**	**51**	**48**	33	**51**	40	41	29	**44**	**43**	**50**	30	PN
R1200	Residential	NCA01	39	**50**	**55**	**52**	36	**56**	**46**	**48**	37	**51**	**47**	**54**	36	PN
R1201	Residential	NCA01	37	**48**	**53**	**50**	34	**54**	**45**	**47**	35	**48**	**46**	**52**	34	PN
R1202	Residential	NCA01	**46**	**53**	**52**	**52**	32	**52**	**49**	**51**	40	**55**	**50**	**57**	**43**	PN
R1203	Residential	NCA01	38	**49**	**55**	**51**	34	**54**	**45**	**47**	35	**49**	**47**	**53**	35	PN
R1204	Residential	NCA01	29	41	**49**	**45**	31	**49**	33	35	25	41	39	**46**	26	PN
R1205	Residential	NCA03	42	**52**	**45**	42	28	**44**	39	41	29	**59**	**50**	**57**	39	PN, V, SN, RO
R1206	Residential	NCA01	29	37	**43**	39	26	**43**	33	35	24	40	34	41	26	-
R1207	Residential	NCA01	29	36	**43**	39	26	**45**	34	35	24	41	33	41	26	-
R1208	Residential	NCA01	42	**50**	**55**	**51**	34	**54**	**48**	**49**	36	**53**	**47**	**53**	39	PN
R1209	Residential	NCA01	32	**46**	**51**	**48**	32	**51**	39	41	30	**44**	40	**47**	29	PN
R1210	Residential	NCA03	**57**	**47**	42	38	23	41	34	36	24	**47**	**44**	**51**	**54**	PN
R1211	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	36	38	27	42	42	**49**	28	PN
R1212	Residential	NCA03	42	**54**	42	38	25	42	34	36	26	**59**	**51**	**57**	39	PN, V, SN, RO
R1213	Residential	NCA03	**47**	**58**	**47**	**43**	28	**45**	40	41	29	**56**	**55**	**62**	**44**	PN, V, SN, RO
R1214	Residential	NCA01	29	40	**47**	**43**	30	**47**	31	33	23	40	38	**44**	26	-
R1215	Residential	NCA03	**46**	**54**	**51**	**47**	32	**48**	41	**43**	29	**59**	**51**	**58**	**43**	PN, V, SN, RO
R1216	Residential	NCA01	32	40	**47**	**43**	29	**47**	37	39	28	**44**	37	**44**	29	-
R1217	Residential	NCA01	39	**50**	**56**	**52**	36	**56**	**46**	**48**	37	**51**	**47**	**54**	36	PN
R1218	Residential	NCA03	**55**	**52**	**44**	41	26	**43**	37	39	28	**53**	**49**	**56**	**52**	PN
R1219	Residential	NCA03	**58**	**48**	42	38	23	41	35	37	24	**48**	**45**	**52**	**55**	PN, V, SN, RO
R1220	Residential	NCA03	**43**	**53**	**46**	**44**	28	**45**	40	42	31	**58**	**50**	**57**	40	PN, V, SN, RO
R1221	Residential	NCA01	40	**50**	**56**	**52**	36	**56**	**47**	**50**	38	**51**	**47**	**54**	37	PN
R1222	Residential	NCA01	29	39	**46**	42	28	**46**	33	35	25	40	37	42	26	-
R1223	Residential	NCA01	38	**49**	**54**	**51**	34	**53**	**44**	**45**	33	**50**	**47**	**54**	35	PN
R1224	Residential	NCA01	27	36	42	39	26	**43**	31	33	23	39	33	40	24	-
R1225	Residential	NCA01	31	**43**	**50**	**46**	32	**50**	38	39	28	**43**	40	**47**	28	PN
R1226	Residential	NCA03	**58**	**49**	**43**	39	25	42	36	38	25	**49**	**45**	**52**	**55**	PN, V, SN, RO
R1227	Residential	NCA01	33	**46**	**51**	**47**	33	**54**	38	39	29	**44**	41	**48**	30	PN
R1228	Residential	NCA01	37	**48**	**54**	**50**	33	**53**	**43**	**45**	32	**48**	**45**	**52**	34	PN
R1229	Residential	NCA03	**59**	**49**	**43**	39	24	42	36	38	26	**48**	**44**	**52**	**56**	PN, V, SN, RO
R1230	Residential	NCA03	**43**	**57**	**47**	**44**	30	**46**	41	**43**	31	**59**	**55**	**62**	40	PN, V, SN, RO
R1231	Residential	NCA01	40	**50**	**55**	**53**	37	**54**	**49**	**51**	39	**51**	**47**	**54**	37	PN
R1232	Residential	NCA01	27	36	**43**	39	26	**43**	31	33	22	39	33	40	24	-
R1233	Residential	NCA03	38	**52**	**43**	40	25	42	37	39	27	**50**	**51**	**58**	35	PN, V, SN, RO
R1234	Residential	NCA01	38	**50**	**53**	**51**	32	**53**	**45**	**47**	34	**49**	**46**	**53**	35	PN
R1235	Residential	NCA03	**60**	**48**	**43**	39	25	42	36	37	26	**51**	**46**	**53**	**57**	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1236	Residential	NCA01	23	33	40	35	21	42	27	29	18	35	29	35	20	-
R1237	Residential	NCA01	37	**49**	**53**	**50**	33	**53**	42	**43**	30	**48**	**45**	**52**	34	PN
R1238	Residential	NCA01	38	**49**	**55**	**52**	35	**55**	**45**	**47**	35	**50**	**47**	**54**	35	PN
R1239	Residential	NCA01	39	**51**	**56**	**53**	38	**56**	**46**	**48**	37	**50**	**47**	**54**	36	PN
R1240	Residential	NCA01	42	**51**	**54**	**51**	32	**54**	**48**	**50**	39	**52**	**47**	**54**	39	PN
R1241	Residential	NCA03	40	**57**	42	39	25	41	36	38	27	**52**	**54**	**61**	37	PN, V, SN, RO
R1242	Residential	NCA01	24	33	40	36	23	41	27	29	19	36	30	37	21	-
R1243	Residential	NCA01	30	41	**48**	**44**	30	**48**	32	34	23	41	38	**45**	27	PN
R1244	Residential	NCA01	35	**46**	**52**	**49**	34	**53**	41	**43**	31	**46**	**43**	**51**	32	PN
R1245	Medical facility	NCA01	32	47	54	50	36	54	39	41	29	44	45	52	29	-
R1246	Residential	NCA01	20	30	35	32	18	39	24	26	16	32	26	34	17	-
R1247	Residential	NCA01	21	27	34	30	17	35	25	26	15	32	25	32	18	-
R1248	Residential	NCA01	**47**	**53**	**50**	**52**	31	**50**	**52**	**54**	40	**56**	**51**	**57**	**44**	PN
R1249	Residential	NCA01	41	**51**	**57**	**53**	39	**54**	**49**	**51**	40	**51**	**47**	**54**	38	PN
R1250	Residential	NCA03	**44**	**57**	**45**	**44**	28	**44**	41	42	31	**59**	**54**	**61**	41	PN, V, SN, RO
R1251	Residential	NCA01	39	**52**	**57**	**53**	39	**55**	**49**	**51**	41	**50**	**48**	**55**	36	PN
R1252	Residential	NCA03	**45**	**58**	**49**	**45**	31	**47**	41	**43**	32	**57**	**54**	**61**	42	PN, V, SN, RO
R1253	Residential	NCA03	**43**	**55**	**47**	**43**	30	**46**	40	42	32	**58**	**52**	**58**	40	PN, V, SN, RO
R1254	Residential	NCA01	41	**50**	**55**	**52**	37	**54**	**47**	**49**	38	**51**	**46**	**54**	38	PN
R1255	Residential	NCA03	**60**	**48**	42	39	23	**43**	36	38	25	**52**	**46**	**53**	**57**	PN, V, SN, RO
R1256	Residential	NCA03	40	**57**	**45**	42	27	**44**	39	40	29	**56**	**55**	**60**	37	PN, V, SN, RO
R1257	Residential	NCA01	25	32	39	35	22	39	29	31	21	36	30	38	22	-
R1258	Residential	NCA03	**59**	**49**	**43**	40	25	42	36	38	25	**50**	**46**	**53**	**56**	PN, V, SN, RO
R1259	Residential	NCA01	**43**	**51**	**54**	**51**	33	**54**	**49**	**51**	39	**53**	**47**	**54**	40	PN
R1260	Residential	NCA01	38	**51**	**56**	**53**	37	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN
R1261	Residential	NCA01	**44**	**52**	**56**	**53**	38	**56**	**50**	**52**	41	**54**	**49**	**55**	41	PN
R1262	Residential	NCA03	**44**	**58**	42	38	24	41	34	36	25	**54**	**56**	**61**	41	PN, V, SN, RO
R1263	Residential	NCA03	42	**56**	**47**	**45**	30	**46**	42	**43**	33	**57**	**52**	**58**	39	PN, V, SN, RO
R1264	Residential	NCA01	28	**47**	**54**	**50**	35	**54**	35	36	24	40	**45**	**52**	25	PN
R1265	Residential	NCA03	39	**56**	42	40	25	42	37	38	27	**55**	**53**	**59**	36	PN, V, SN, RO
R1266	Residential	NCA03	**60**	**50**	**43**	39	25	**44**	36	38	25	**51**	**47**	**54**	**57**	PN, V, SN, RO
R1267	Residential	NCA01	42	**52**	**57**	**54**	40	**57**	**50**	**52**	40	**54**	**49**	**56**	39	PN
R1268	Residential	NCA01	31	38	**43**	40	25	**43**	35	36	26	42	35	41	28	-
R1269	Residential	NCA01	28	40	**47**	**43**	29	**47**	32	34	24	40	37	**44**	25	-
R1270	Residential	NCA03	**43**	**55**	**47**	**43**	28	**45**	40	41	30	**56**	**53**	**60**	40	PN, V, SN, RO
R1271	Residential	NCA01	28	38	**46**	42	28	**45**	32	34	21	38	36	42	25	-
R1272	Residential	NCA01	41	**50**	**55**	**52**	35	**54**	**47**	**48**	36	**52**	**47**	**54**	38	PN
R1273	Residential	NCA01	34	**49**	**54**	**50**	36	**54**	41	**43**	31	**44**	**45**	**52**	31	PN
R1274	Residential	NCA01	36	**49**	**55**	**50**	35	**55**	**44**	**46**	32	**47**	**46**	**53**	33	PN
R1275	Residential	NCA01	40	**50**	**55**	**52**	35	**55**	**47**	**49**	36	**49**	**47**	**54**	37	PN
R1276	Residential	NCA01	37	**52**	**57**	**54**	37	**57**	**44**	**45**	33	**48**	**49**	**55**	34	PN
R1277	Residential	NCA01	36	**50**	**56**	**52**	38	**56**	**43**	**45**	32	**47**	**46**	**52**	33	PN
R1278	Residential	NCA01	33	**45**	**51**	**48**	32	**52**	40	42	30	**45**	42	**50**	30	PN
R1279	Residential	NCA01	22	29	35	31	18	36	26	28	18	34	26	33	19	-
R1280	Residential	NCA03	42	**56**	**44**	41	26	**43**	38	39	27	**53**	**53**	**60**	39	PN, V, SN, RO
R1281	Residential	NCA03	**60**	**52**	**44**	41	26	**43**	38	40	28	**53**	**49**	**56**	**57**	PN, V, SN, RO
R1282	Residential	NCA03	**43**	**59**	**45**	42	28	**45**	39	40	28	**53**	**57**	**64**	40	PN, V, SN, RO
R1283	Residential	NCA01	24	30	34	31	17	35	27	29	20	35	27	34	21	-
R1284	Residential	NCA03	**57**	**53**	**45**	42	27	**44**	38	40	29	**54**	**50**	**57**	**54**	PN
R1285	Residential	NCA01	**43**	**51**	**54**	**52**	36	**54**	**49**	**50**	39	**53**	**49**	**55**	40	PN
R1286	Residential	NCA01	35	**47**	**54**	**50**	34	**54**	42	**44**	32	**47**	**45**	**52**	32	PN
R1287	Residential	NCA01	24	30	38	34	21	39	28	30	20	37	28	35	21	-
R1288	Residential	NCA01	41	**52**	**56**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	PN
R1289	Residential	NCA01	21	29	36	32	19	36	26	29	17	32	27	33	18	-
R1290	Residential	NCA01	39	**51**	**57**	**53**	38	**57**	**46**	**48**	35	**49**	**48**	**55**	36	PN
R1291	Residential	NCA01	41	**52**	**57**	**54**	39	**56**	**49**	**51**	40	**53**	**49**	**55**	38	PN
R1292	Residential	NCA03	**45**	**56**	41	38	22	40	35	37	24	**51**	**53**	**62**	42	PN, V, SN, RO
R1293	Residential	NCA03	**43**	**57**	**44**	40	26	**43**	37	39	27	**52**	**54**	**61**	40	PN, V, SN, RO
R1294	Residential	NCA03	42	**59**	**46**	**43**	28	**46**	40	42	30	**54**	**57**	**63**	39	PN, V, SN, RO
R1295	Residential	NCA03	**53**	**61**	**46**	42	28	**45**	39	40	30	**56**	**57**	**64**	**50**	PN, V, SN, RO
R1296	Residential	NCA01	31	42	**49**	**46**	32	**49**	35	37	26	**43**	40	**47**	28	PN
R1297	Residential	NCA01	30	40	**47**	**43**	29	**47**	35	37	26	41	38	**44**	27	-
R1298	Residential	NCA01	**46**	**53**	**54**	**51**	34	**54**	**47**	**49**	38	**55**	**49**	**56**	**43**	PN
R1299	Residential	NCA01	41	**51**	**56**	**53**	35	**56**	**48**	**50**	39	**50**	**48**	**55**	38	PN
R1300	Residential	NCA01	30	**43**	**48**	**44**	30	**49**	36	38	26	42	39	**45**	27	PN
R1301	Residential	NCA01	30	**43**	**48**	**44**	30	**49**	36	38	26	42	39	**45**	27	PN
R1302	Residential	NCA01	39	**50**	**55**	**52**	35	**55**	**45**	**47**	36	**49**	**46**	**53**	36	PN
R1303	Residential	NCA01	36	**48**	**55**	**51**	37	**55**	42	**44**	33	**47**	**46**	**53**	33	PN
R1304	Residential	NCA01	40	**50**	**55**	**52**	34	**55**	**45**	**47**	36	**50**	**47**	**54**	37	PN
R1305	Residential	NCA01	28	39	**47**	**43**	29	**47**	32	34	23	39	37	**44**	25	-
R1306	Residential	NCA01	28	36	**43**	39	25	**43**	34	34	24	40	34	40	25	-
R1307	Residential	NCA03	**48**	**54**	**45**	42	28	**44**	39	40	29	**55**	**50**	**57**	**45**	PN
R1308	Residential	NCA03	**43**	**59**	**46**	42	28	**45**	40	41	30	**53**	**57**	**60**	40	PN, V, SN, RO
R1309	Residential	NCA03	42	**58**	**46**	**43**	28	**46**	40	42	31	**58**	**54**	**60**	39	PN, V, SN, RO
R1310	Residential	NCA01	18	25	31	27	15	31	22	24	14	30	21	29	15	-
R1311	Residential	NCA01	26	36	42	38	24	**43**	30	32	22	38	33	39	23	-
R1312	Residential	NCA01	41	**52**	**56**	**53**	37	**55**	**49**	**52**	40	**50**	**48**	**55**	38	PN
R1313	Residential	NCA03	**49**	**59**	**53**	**50**	34	**51**	**47**	**49**	36	**65**	**56**	**63**	**46**	PN, V, SN, RO
R1314	Residential	NCA01	32	**43**	**51**	**47**	32	**51**	39	41	28	**44**	41	**48**	29	PN
R1315	Residential	NCA01	37	**49**	**54**	**51**	32	**54**	**44**	**46**	33	**48**	**46**	**53**	34	PN
R1316	Residential	NCA01	30	41	**47**	**45**	30	**47**	36	37	26	42	39	**45**	27	-
R1317	Residential	NCA01	38	**49**	**53**	**51**	33	**54**	**45**	**47**	35	**48**	**46**	**53**	35	PN
R1318	Residential	NCA01	27	39	**46**	42	28	**46**	33	35	24	39	36	**43**	24	-
R1319	Residential	NCA01	25	36	42	39	24	42	30	32	20	37	33	40	22	-
R1320	Residential	NCA01	28	38	**46**	42	28	**47**	33	34	23	40	36	42	25	-
R1321	Residential	NCA01	32	42	**49**	**45**	31	**49**	39	40	28	**44**	39	**46**	29	PN
R1322	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	39	40	28	**45**	42	**49**	30	PN
R1323	Residential	NCA03	**44**	**58**	39	37	21	39	32	34	21	**57**	**55**	**61**	41	PN, V, SN, RO
R1324	Residential	NCA01	**43**	**53**	**54**	**52**	34	**54**	**49**	**51**	40	**53**	**49**	**55**	40	PN
R1325	Residential	NCA03	**44**	**59**	**49**	**45**	30	**47**	42	**44**	32	**60**	**55**	**62**	41	PN, V, SN, RO
R1326	Residential	NCA01	38	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	35	PN
R1327	Residential	NCA01	27	33	39	35	22	41	30	33	22	38	30	37	24	-
R1328	Residential	NCA01	30	40	**47**	**43**	29	**47**	33	35	25	42	37	**44**	27	-
R1329	Residential	NCA01	**46**	**52**	**56**	**53**	36	**55**	**46**	**47**	37	**55**	**48**	**55**	**43**	PN
R1330	Residential	NCA01	24	32	40	36	23	40	29	31	19	35	30	37	21	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1331	Residential	NCA03	**44**	**58**	**47**	**45**	29	**45**	42	**44**	31	**60**	**55**	**63**	41	PN, V, SN, RO
R1332	Residential	NCA03	**43**	**53**	**47**	**44**	30	**46**	41	**43**	32	**56**	**50**	**57**	40	PN
R1333	Residential	NCA01	38	**48**	**54**	**50**	34	**53**	**46**	**48**	36	**48**	**45**	**52**	35	PN
R1334	Residential	NCA03	**52**	**60**	**54**	**50**	34	**52**	**48**	**50**	37	**64**	**56**	**63**	**49**	PN, V, SN, RO
R1335	Residential	NCA03	**52**	**60**	**53**	**50**	35	**52**	**47**	**48**	37	**64**	**57**	**63**	**49**	PN, V, SN, RO
R1336	Residential	NCA01	38	**50**	**56**	**52**	35	**55**	**46**	**48**	34	**50**	**47**	**54**	35	PN
R1337	Residential	NCA01	**43**	**52**	**56**	**54**	37	**57**	**50**	**52**	40	**55**	**49**	**55**	40	PN
R1338	Residential	NCA03	**43**	**57**	**48**	**44**	30	**47**	42	**43**	30	**56**	**54**	**60**	40	PN, V, SN, RO
R1339	Residential	NCA01	36	**50**	**54**	**52**	34	**54**	41	**43**	31	**47**	**47**	**54**	33	PN
R1340	Residential	NCA03	**45**	**55**	**49**	**45**	32	**47**	**44**	**44**	33	**60**	**52**	**59**	42	PN, V, SN, RO
R1341	Residential	NCA01	32	**45**	**53**	**49**	35	**52**	38	40	28	**44**	**43**	**50**	29	PN
R1342	Residential	NCA03	**44**	**60**	**47**	**44**	29	**46**	42	**43**	31	**59**	**57**	**64**	41	PN, V, SN, RO
R1343	Residential	NCA01	29	37	**43**	40	25	**43**	34	36	25	41	34	41	26	-
R1344	Residential	NCA01	25	33	40	36	22	41	29	31	19	36	31	38	22	-
R1345	Residential	NCA03	**45**	**61**	**49**	**46**	31	**47**	**43**	**44**	32	**61**	**57**	**64**	42	PN, V, SN, RO
R1346	Residential	NCA01	31	40	**48**	**44**	30	**47**	36	38	26	**43**	38	**45**	28	PN
R1347	Residential	NCA03	**45**	**60**	**48**	**45**	31	**47**	42	**44**	31	**58**	**56**	**63**	42	PN, V, SN, RO
R1348	Medical facility	NCA01	34	46	55	51	35	54	40	41	30	45	44	51	31	-
R1349	Residential	NCA01	36	**50**	**54**	**51**	34	**54**	**43**	**44**	32	**46**	**46**	**53**	33	PN
R1350	Commercial	NCA04	46	45	41	37	23	41	34	36	24	46	39	46	43	-
R1351	Residential	NCA01	36	**47**	**51**	**48**	31	**52**	**44**	**46**	33	**47**	**44**	**51**	33	PN
R1352	Residential	NCA01	30	38	42	39	24	**43**	35	37	26	42	34	41	27	-
R1353	Residential	NCA01	20	29	35	31	19	36	25	27	16	32	26	33	17	-
R1354	Residential	NCA01	**45**	**54**	**55**	**53**	36	**54**	**51**	**52**	40	**56**	**50**	**57**	42	PN
R1355	Residential	NCA01	33	**46**	**54**	**50**	35	**54**	39	41	29	**44**	**44**	**51**	30	PN
R1356	Residential	NCA01	**47**	**55**	**53**	**54**	35	**53**	**52**	**53**	42	**54**	**50**	**57**	**44**	PN
R1357	Residential	NCA01	30	40	**46**	42	28	**46**	36	37	26	42	37	**44**	27	-
R1358	Residential	NCA01	25	32	39	35	22	39	29	31	20	37	29	36	22	-
R1359	Residential	NCA03	**44**	**60**	**48**	**45**	30	**47**	42	**44**	31	**61**	**56**	**63**	41	PN, V, SN, RO
R1360	Residential	NCA01	30	39	**45**	41	27	**44**	34	36	25	42	36	**43**	27	-
R1361	Residential	NCA01	42	**54**	**60**	**56**	42	**57**	**52**	**54**	41	**52**	**51**	**58**	39	PN, V, SN, RO
R1362	Residential	NCA01	36	**48**	**53**	**50**	35	**54**	**43**	**45**	33	**48**	**44**	**51**	33	PN
R1363	Residential	NCA01	39	**51**	**57**	**53**	37	**57**	**46**	**48**	36	**50**	**48**	**55**	36	PN
R1364	Residential	NCA01	**44**	**53**	**58**	**54**	41	**57**	**50**	**53**	41	**54**	**49**	**56**	41	PN, V, SN, RO
R1365	Residential	NCA01	37	**51**	**55**	**53**	35	**55**	**43**	**45**	32	**47**	**47**	**55**	34	PN
R1366	Residential	NCA01	30	37	42	39	25	42	34	36	26	42	33	40	27	-
R1367	Residential	NCA01	25	34	41	37	23	**43**	29	31	20	37	31	39	22	-
R1368	Commercial	NCA01	34	48	55	51	37	55	42	43	31	46	46	52	31	-
R1369	Residential	NCA03	**45**	**62**	**48**	**45**	30	**46**	42	**44**	32	**60**	**58**	**65**	42	PN, V, SN, RO
R1370	Residential	NCA01	29	36	42	38	24	42	34	36	26	42	33	40	26	-
R1371	Residential	NCA01	38	**52**	**56**	**53**	37	**57**	**46**	**48**	35	**49**	**48**	**56**	35	PN
R1372	Residential	NCA03	**44**	**61**	**49**	**46**	31	**47**	**43**	**45**	32	**62**	**58**	**64**	41	PN, V, SN, RO
R1373	Residential	NCA01	**44**	**54**	**60**	**56**	40	**57**	**52**	**54**	42	**56**	**51**	**58**	41	PN, V, SN, RO
R1374	Residential	NCA03	**51**	**63**	**46**	42	28	**45**	39	40	28	**57**	**60**	**67**	**48**	PN, V, SN, RO
R1375	Residential	NCA01	**44**	**53**	**59**	**56**	42	**57**	**51**	**53**	**43**	**54**	**50**	**57**	41	PN, V, SN, RO
R1376	Residential	NCA01	**43**	**51**	**57**	**53**	39	**55**	**49**	**51**	41	**52**	**48**	**55**	40	PN
R1377	Residential	NCA03	**45**	**62**	**48**	**46**	31	**46**	**43**	**44**	33	**58**	**58**	**65**	42	PN, V, SN, RO
R1378	Residential	NCA03	42	**56**	**46**	**43**	27	**45**	41	42	30	**59**	**52**	**59**	39	PN, V, SN, RO
R1379	Residential	NCA01	30	**44**	**52**	**47**	33	**51**	38	39	27	42	41	**49**	27	PN
R1380	Residential	NCA03	**46**	**57**	**49**	**46**	31	**47**	**43**	**45**	32	**61**	**53**	**60**	**43**	PN, V, SN, RO
R1381	Residential	NCA01	36	**50**	**54**	**51**	34	**55**	**43**	**45**	32	**47**	**47**	**53**	33	PN
R1382	Residential	NCA01	30	38	**44**	41	26	**44**	34	36	25	42	35	42	27	-
R1383	Residential	NCA01	26	35	41	37	23	**43**	30	31	20	39	32	39	23	-
R1384	Residential	NCA01	39	**50**	**55**	**52**	34	**55**	**46**	**48**	35	**51**	**47**	**54**	36	PN
R1385	Residential	NCA01	39	**51**	**55**	**52**	35	**55**	**47**	**49**	37	**50**	**47**	**54**	36	PN
R1386	Residential	NCA01	24	31	38	36	21	41	28	30	20	36	29	36	21	-
R1387	Residential	NCA03	**45**	**58**	**48**	**45**	29	**46**	**43**	**44**	32	**61**	**55**	**62**	42	PN, V, SN, RO
R1388	Residential	NCA01	40	**51**	**55**	**53**	36	**54**	**48**	**50**	37	**51**	**48**	**55**	37	PN
R1389	Residential	NCA03	41	**61**	**45**	42	28	**44**	39	40	27	**56**	**57**	**62**	38	PN, V, SN, RO
R1390	Residential	NCA03	**53**	**64**	**45**	41	27	**44**	37	39	25	**55**	**60**	**67**	**50**	PN, V, SN, RO
R1391	Residential	NCA01	28	38	**46**	42	28	**47**	33	35	24	39	36	**43**	25	-
R1392	Residential	NCA01	27	39	**45**	42	27	**45**	33	35	24	39	36	**43**	24	-
R1393	Residential	NCA03	41	**58**	**47**	**43**	28	**46**	41	41	30	**53**	**55**	**62**	38	PN, V, SN, RO
R1394	Residential	NCA03	**45**	**62**	**45**	42	27	**44**	39	40	27	**57**	**60**	**65**	42	PN, V, SN, RO
R1395	Residential	NCA01	35	**49**	**54**	**51**	35	**54**	42	**43**	30	**47**	**46**	**53**	32	PN
R1396	Residential	NCA03	**47**	**62**	39	35	22	38	32	33	21	**47**	**59**	**65**	**44**	PN, V, SN, RO
R1397	Residential	NCA03	**46**	**61**	**46**	42	28	**44**	39	40	28	**55**	**57**	**62**	**43**	PN, V, SN, RO
R1398	Commercial	NCA01	33	48	55	51	37	55	40	42	30	45	46	53	30	-
R1399	Residential	NCA03	**47**	**64**	**43**	39	25	42	37	38	26	**56**	**61**	**67**	**44**	PN, V, SN, RO
R1400	Residential	NCA01	39	**51**	**55**	**53**	35	**55**	**46**	**48**	36	**49**	**47**	**54**	36	PN
R1401	Residential	NCA03	42	**54**	**47**	**44**	28	**45**	41	42	30	**57**	**51**	**58**	39	PN, V, SN, RO
R1402	Residential	NCA01	26	32	38	35	21	40	30	32	21	37	29	36	23	-
R1403	Residential	NCA01	28	41	**49**	**45**	30	**49**	34	36	25	40	39	**45**	25	PN
R1404	Residential	NCA01	38	**51**	**56**	**53**	35	**55**	**44**	**46**	34	**49**	**48**	**54**	35	PN
R1405	Residential	NCA01	38	**50**	**55**	**52**	37	**54**	**47**	**49**	38	**49**	**47**	**54**	35	PN
R1406	Residential	NCA03	**47**	**60**	**45**	41	27	**44**	39	40	27	**57**	**55**	**61**	**44**	PN, V, SN, RO
R1407	Residential	NCA01	39	**50**	**55**	**51**	36	**54**	**46**	**48**	37	**50**	**46**	**53**	36	PN
R1408	Residential	NCA01	**45**	**57**	**55**	**56**	36	**54**	**54**	**57**	**45**	**57**	**53**	**60**	42	PN, V, SN, RO
R1409	Industrial	NCA03	51	47	42	38	24	41	34	36	24	49	43	50	48	-
R1410	Residential	NCA03	**43**	**61**	**43**	39	25	42	37	38	26	**49**	**57**	**64**	40	PN, V, SN, RO
R1411	Residential	NCA01	37	**50**	**54**	**51**	33	**55**	**44**	**46**	33	**48**	**46**	**53**	34	PN
R1412	Commercial	NCA01	33	46	54	51	35	54	40	41	29	45	45	52	30	-
R1413	Residential	NCA01	38	**52**	**56**	**53**	38	**56**	**46**	**47**	35	**49**	**49**	**56**	35	PN
R1414	Residential	NCA01	38	**50**	**54**	**52**	33	**54**	**45**	**47**	34	**49**	**47**	**54**	35	PN
R1415	Residential	NCA01	**43**	**53**	**57**	**53**	38	**56**	**50**	**53**	41	**55**	**49**	**56**	40	PN
R1416	Residential	NCA01	25	34	39	36	23	41	29	31	21	37	30	37	22	-
R1417	Residential	NCA01	38	**52**	**57**	**54**	36	**57**	**46**	**47**	34	**49**	**49**	**56**	35	PN
R1418	Residential	NCA01	**44**	**54**	**60**	**56**	41	**57**	**52**	**54**	**43**	**55**	**51**	**58**	41	PN, V, SN, RO
R1419	Residential	NCA03	**46**	**62**	**48**	**45**	30	**46**	**43**	**44**	32	**62**	**58**	**65**	**43**	PN, V, SN, RO
R1420	Residential	NCA03	38	**64**	**47**	**43**	28	**45**	40	41	29	**51**	**61**	**62**	35	PN, V, SN, RO
R1421	Residential	NCA03	**45**	**62**	**46**	42	28	**45**	40	41	30	**51**	**59**	**66**	42	PN, V, SN, RO
R1422	Residential	NCA03	**44**	**61**	**46**	**43**	28	**46**	40	41	30	**53**	**57**	**64**	41	PN, V, SN, RO
R1423	Residential	NCA01	28	37	**44**	39	25	**43**	33	35	24	40	34	40	25	-
R1424	Residential	NCA03	**54**	**61**	**52**	**48**	34	**51**	**46**	**47**	36	**65**	**57**	**64**	**51**	PN, V, SN, RO
R1425	Residential	NCA01	34	**50**	**55**	**52**	36	**55**	40	42	29	**45**	**47**	**55**	31	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1426	Residential	NCA01	40	53	58	55	38	58	48	50	38	52	50	57	37	PN, V, SN, RO
R1427	Residential	NCA03	43	62	45	41	27	44	39	39	29	53	58	64	40	PN, V, SN, RO
R1428	Residential	NCA01	45	57	57	57	38	57	54	54	43	57	53	60	42	PN, V, SN, RO
R1429	Residential	NCA03	45	62	48	44	28	46	42	43	30	61	58	65	42	PN, V, SN, RO
R1430	Commercial	NCA01	33	49	56	52	39	58	40	41	29	45	47	54	30	-
R1431	Residential	NCA01	39	53	59	55	40	58	45	47	35	50	50	57	36	PN, V, SN, RO
R1432	Residential	NCA01	29	38	44	41	26	45	35	37	25	41	35	42	26	-
R1433	Residential	NCA01	49	57	57	55	38	57	52	53	42	57	53	60	46	PN, V, SN, RO
R1434	Residential	NCA03	52	60	51	48	33	50	46	47	36	66	57	63	49	PN, V, SN, RO
R1435	Residential	NCA01	24	35	43	38	25	43	30	31	20	36	32	39	21	-
R1436	Residential	NCA01	26	33	39	36	22	41	31	33	23	38	30	37	23	-
R1437	Residential	NCA01	39	53	57	54	38	57	48	50	39	51	49	56	36	PN
R1438	Residential	NCA01	46	56	60	57	42	59	53	54	42	56	51	57	43	PN, V, SN, RO
R1439	Residential	NCA01	39	51	57	53	38	57	45	46	34	49	48	55	36	PN
R1440	Commercial	NCA01	33	44	50	47	30	50	38	40	29	45	41	48	30	-
R1441	Residential	NCA03	47	64	48	46	30	47	43	44	32	62	60	67	44	PN, V, SN, RO
R1442	Residential	NCA01	27	36	42	38	23	42	32	34	23	39	33	40	24	-
R1443	Residential	NCA01	24	32	39	36	23	41	29	31	20	36	30	37	21	-
R1444	Commercial	NCA01	32	47	54	50	37	55	39	40	29	44	45	52	29	-
R1445	Commercial	NCA03	66	55	46	42	27	45	39	41	29	53	52	59	63	-
R1446	Residential	NCA01	24	35	41	37	24	42	29	31	20	36	32	39	21	-
R1447	Residential	NCA01	36	54	60	56	40	60	39	41	31	47	51	58	33	PN, V, SN, RO
R1448	Residential	NCA03	42	64	44	41	26	43	38	39	27	59	59	66	39	PN, V, SN, RO
R1449	Commercial	NCA04	42	42	37	34	20	37	30	32	21	42	38	45	39	-
R1450	Residential	NCA03	43	62	47	44	29	47	42	43	31	57	58	65	40	PN, V, SN, RO
R1451	Residential	NCA03	50	60	51	48	33	49	45	47	34	65	56	62	47	PN, V, SN, RO
R1452	Residential	NCA01	37	51	57	54	37	57	45	47	35	49	49	56	34	PN
R1453	Residential	NCA03	51	61	50	46	33	48	43	44	34	66	58	65	48	PN, V, SN, RO
R1454	Residential	NCA01	24	33	41	38	23	41	27	29	19	36	32	37	21	-
R1455	Residential	NCA03	48	64	50	46	31	48	44	45	34	65	59	66	45	PN, V, SN, RO
R1456	Residential	NCA01	38	52	55	52	36	55	46	48	34	49	48	54	35	PN
R1457	Residential	NCA01	35	48	54	50	34	53	40	42	29	45	43	52	32	PN
R1458	Commercial	NCA01	31	47	54	51	36	55	38	39	27	43	45	52	28	-
R1459	Residential	NCA03	44	59	49	45	31	47	43	44	31	63	56	62	41	PN, V, SN, RO
R1460	Residential	NCA01	29	38	44	40	26	45	35	37	25	41	35	42	26	-
R1461	Residential	NCA01	39	52	58	54	39	58	46	48	35	51	49	56	36	PN, V, SN, RO
R1462	Residential	NCA01	37	52	57	54	37	57	44	45	32	48	49	56	34	PN
R1463	Residential	NCA03	44	58	47	44	27	45	41	42	30	62	55	62	41	PN, V, SN, RO
R1464	Active recreation	NCA01	49	58	57	59	39	57	56	58	44	58	55	62	46	-
R1465	Residential	NCA03	48	63	50	47	31	48	44	45	31	63	59	66	45	PN, V, SN, RO
R1466	Residential	NCA01	38	51	57	53	40	57	44	46	33	49	48	55	35	PN
R1467	Residential	NCA01	27	35	41	37	24	42	32	34	23	39	32	39	24	-
R1468	Commercial	NCA01	31	47	54	50	37	54	38	40	28	44	44	51	28	-
R1469	Residential	NCA03	48	64	49	46	31	47	44	45	32	63	60	67	45	PN, V, SN, RO
R1470	Residential	NCA01	25	37	43	40	26	43	29	31	21	37	34	40	22	-
R1471	Residential	NCA01	39	53	57	55	40	58	47	48	37	50	50	57	36	PN, V, SN, RO
R1472	Residential	NCA03	47	63	49	46	31	48	44	45	33	67	60	67	44	PN, V, SN, RO
R1473	Residential	NCA01	36	51	57	53	39	57	42	44	32	48	48	54	33	PN
R1474	Residential	NCA03	42	64	48	44	28	46	42	43	30	60	59	66	39	PN, V, SN, RO
R1475	Residential	NCA01	39	53	58	55	39	58	47	48	36	50	50	57	36	PN, V, SN, RO
R1476	Medical facility	NCA01	24	40	46	44	30	48	30	31	20	36	37	44	21	-
R1477	Residential	NCA01	29	39	46	42	28	46	35	37	25	41	37	43	26	-
R1478	Residential	NCA01	29	38	45	41	26	45	33	35	25	41	36	41	26	-
R1479	Residential	NCA01	48	56	62	58	42	58	55	56	45	57	53	60	45	PN, V, SN, RO
R1480	Residential	NCA01	36	51	57	53	40	57	42	44	33	47	48	54	33	PN
R1481	Residential	NCA03	50	60	51	49	34	49	46	47	34	60	56	62	47	PN, V, SN, RO
R1482	Commercial	NCA01	35	51	57	53	39	57	42	43	31	46	48	54	32	-
R1483	Residential	NCA01	43	57	63	59	45	59	55	57	47	54	54	61	40	PN, V, SN, RO
R1484	Industrial	NCA01	33	52	57	55	41	58	40	41	30	45	49	55	30	-
R1485	Residential	NCA01	43	54	59	55	40	59	51	53	41	52	50	57	40	PN, V, SN, RO
R1486	Commercial	NCA01	31	45	53	49	35	53	38	39	28	43	43	50	28	-
R1487	Residential	NCA01	42	53	58	55	38	58	49	50	37	52	50	57	39	PN, V, SN, RO
R1488	Residential	NCA01	29	38	44	41	27	45	34	36	25	41	35	42	26	-
R1489	Residential	NCA01	27	39	45	41	28	45	33	35	24	39	36	43	24	-
R1490	Residential	NCA03	60	65	54	54	36	53	49	52	39	69	61	68	57	PN, V, SN, RO, RP, DR
R1491	Residential	NCA03	43	68	40	37	23	40	34	36	24	52	63	69	40	PN, V, SN, RO, RP, DR
R1492	Residential	NCA03	60	64	55	52	35	52	49	51	39	68	60	67	57	PN, V, SN, RO, RP, DR
R1493	Residential	NCA01	31	45	52	48	34	51	36	38	27	43	43	48	28	PN
R1494	Residential	NCA01	42	51	56	53	35	55	48	50	34	52	48	55	39	PN
R1495	Residential	NCA03	46	63	49	46	31	48	43	44	33	63	58	65	43	PN, V, SN, RO
R1496	Residential	NCA03	45	67	45	43	28	44	39	41	28	57	62	69	42	PN, V, SN, RO, RP, DR
R1497	Residential	NCA01	39	51	56	53	35	56	45	45	34	50	48	55	36	PN
R1498	Residential	NCA01	31	45	51	47	33	51	38	40	28	43	42	48	28	PN
R1499	Residential	NCA01	36	53	56	55	36	56	45	48	35	46	49	56	33	PN
R1500	Residential	NCA01	28	35	40	37	23	42	33	35	24	39	32	39	25	-
R1501	Commercial	NCA04	41	41	38	34	20	37	31	33	22	41	38	44	38	-
R1502	Residential	NCA01	29	39	46	42	27	46	34	36	25	41	36	43	26	-
R1503	Residential	NCA03	43	69	45	41	27	44	38	39	24	59	64	71	40	PN, V, SN, RO, RP, DR
R1504	Commercial	NCA01	33	47	54	51	36	55	39	41	29	45	45	52	30	-
R1505	Residential	NCA03	46	69	46	43	28	45	39	42	30	59	64	71	43	PN, V, SN, RO, RP, DR
R1506	Residential	NCA01	42	54	59	56	41	59	52	53	42	54	51	58	39	PN, V, SN, RO
R1507	Residential	NCA01	27	35	42	38	25	42	32	33	23	38	32	39	24	-
R1508	Residential	NCA03	42	69	45	41	27	44	39	40	29	59	64	70	39	PN, V, SN, RO, RP, DR
R1509	Residential	NCA03	45	66	45	42	28	45	39	41	30	56	62	69	42	PN, V, SN, RO, RP, DR
R1510	Residential	NCA03	47	64	50	47	31	48	45	45	31	67	59	66	44	PN, V, SN, RO
R1511	Residential	NCA01	25	33	40	36	23	40	29	31	21	37	30	37	22	-
R1512	Residential	NCA01	42	54	59	56	40	59	51	52	40	54	50	57	39	PN, V, SN, RO
R1513	Residential	NCA01	38	51	55	53	35	55	44	45	32	49	48	54	35	PN
R1514	Residential	NCA01	25	32	38	34	20	37	28	30	20	36	28	35	22	-
R1515	Residential	NCA01	24	32	38	35	21	40	28	30	19	35	29	36	21	-
R1516	Residential	NCA01	41	55	59	57	40	59	50	52	40	53	52	58	38	PN, V, SN, RO
R1517	Residential	NCA01	50	58	62	59	43	60	56	58	46	58	55	62	47	PN, V, SN, RO
R1518	Residential	NCA01	32	45	50	47	32	50	38	40	29	44	42	48	29	PN
R1519	Residential	NCA03	43	68	39	36	22	38	30	32	20	60	63	71	40	PN, V, SN, RO, RP, DR
R1520	Residential	NCA01	27	36	42	38	25	43	32	34	23	39	33	40	24	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1521	Residential	NCA01	31	**44**	**50**	**46**	32	**50**	37	39	27	**43**	41	**47**	28	PN
R1522	Residential	NCA03	**44**	**68**	**43**	39	25	42	36	37	22	**60**	**64**	**71**	41	PN, V, SN, RO, RP, DR
R1523	Industrial	NCA04	60	48	41	38	24	41	35	36	26	47	43	50	57	-
R1524	Residential	NCA01	41	**54**	**59**	**56**	39	**60**	**50**	**51**	40	**52**	**51**	**58**	38	PN, V, SN, RO
R1525	Residential	NCA01	24	31	37	33	19	37	28	30	20	36	28	35	21	-
R1526	Residential	NCA03	**43**	**68**	38	34	21	38	31	33	20	**53**	**63**	**68**	40	PN, V, SN, RO, RP, DR
R1527	Residential	NCA01	28	41	**49**	**44**	31	**48**	34	34	23	40	39	**45**	25	PN
R1528	Residential	NCA01	42	**55**	**59**	**56**	39	**59**	**49**	**51**	39	**53**	**51**	**58**	39	PN, V, SN, RO
R1529	Residential	NCA01	38	**53**	**58**	**54**	38	**58**	**44**	**46**	33	**49**	**50**	**57**	35	PN, V, SN, RO
R1530	Residential	NCA03	**44**	**67**	**49**	**45**	31	**47**	42	**43**	30	**68**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1531	Residential	NCA01	30	**44**	**50**	**46**	32	**52**	35	36	25	42	41	**48**	27	PN
R1532	Residential	NCA01	41	**52**	**56**	**54**	37	**56**	**48**	**50**	38	**52**	**49**	**56**	38	PN
R1533	Residential	NCA01	37	**54**	**58**	**55**	39	**58**	**45**	**47**	34	**48**	**51**	**58**	34	PN, V, SN, RO
R1534	Residential	NCA01	28	36	41	38	24	42	33	35	23	39	32	38	25	-
R1535	Residential	NCA03	40	**67**	37	33	19	36	30	31	20	**55**	**62**	**67**	37	PN, V, SN, RO
R1536	Residential	NCA03	**44**	**68**	40	37	24	40	34	35	21	**61**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1537	Residential	NCA01	28	39	**45**	41	25	**45**	34	35	22	39	36	**43**	25	-
R1538	Residential	NCA01	38	**53**	**56**	**54**	36	**56**	**48**	**49**	35	**48**	**49**	**56**	35	PN
R1539	Residential	NCA01	31	42	**49**	**45**	31	**49**	35	37	26	42	39	**47**	28	PN
R1540	Residential	NCA03	**47**	**71**	**50**	**46**	31	**48**	**43**	**46**	34	**68**	**66**	**73**	**44**	PN, V, SN, RO, RP, DR
R1541	Residential	NCA01	40	**54**	**57**	**55**	36	**57**	**49**	**50**	37	**51**	**49**	**56**	37	PN
R1542	Residential	NCA01	40	**54**	**58**	**55**	40	**58**	**48**	**50**	39	**52**	**50**	**57**	37	PN, V, SN, RO
R1543	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	**47**	**48**	37	**68**	**60**	**67**	**54**	PN, V, SN, RO, RP, DR
R1544	Residential	NCA01	**49**	**57**	**61**	**58**	**43**	**60**	**55**	**56**	**45**	**57**	**54**	**61**	**46**	PN, V, SN, RO
R1545	Residential	NCA03	**49**	**65**	**50**	**47**	31	**48**	**45**	**46**	33	**68**	**60**	**67**	**46**	PN, V, SN, RO, RP, DR
R1546	Residential	NCA01	38	**55**	**60**	**56**	41	**59**	**47**	**48**	35	**47**	**51**	**59**	35	PN, V, SN, RO
R1547	Residential	NCA03	**44**	**69**	36	32	19	35	29	31	19	**48**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1548	Residential	NCA01	38	**53**	**59**	**55**	40	**58**	**46**	**47**	34	**48**	**50**	**56**	35	PN, V, SN, RO
R1549	Residential	NCA01	31	**43**	**50**	**46**	32	**50**	37	39	28	**43**	41	**47**	28	PN
R1550	Residential	NCA01	38	**54**	**58**	**56**	37	**58**	**43**	**45**	33	**49**	**51**	**58**	35	PN, V, SN, RO
R1551	Residential	NCA03	**57**	**65**	**52**	**49**	35	**51**	**48**	**51**	37	**68**	**61**	**68**	**54**	PN, V, SN, RO, RP, DR
R1552	Active recreation	NCA01	47	58	57	57	36	56	54	56	44	58	54	62	44	-
R1553	Residential	NCA01	39	**53**	**57**	**55**	37	**57**	**48**	**50**	37	**50**	**50**	**57**	36	PN
R1554	Residential	NCA01	37	**53**	**58**	**54**	38	**57**	**47**	**48**	36	**45**	**49**	**56**	34	PN, V, SN, RO
R1555	Residential	NCA01	39	**55**	**60**	**57**	41	**60**	**49**	**51**	37	**51**	**51**	**57**	36	PN, V, SN, RO
R1556	Residential	NCA03	**44**	**67**	**47**	**45**	30	**46**	42	**43**	30	**67**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R1557	Residential	NCA03	**43**	**67**	**45**	42	28	**45**	39	40	30	**57**	**64**	**71**	40	PN, V, SN, RO, RP, DR
R1558	Residential	NCA01	27	34	40	37	23	42	31	33	22	38	31	38	24	-
R1559	Residential	NCA01	38	**52**	**57**	**54**	37	**57**	**46**	**48**	36	**50**	**49**	**56**	35	PN
R1560	Residential	NCA03	**57**	**64**	**51**	**49**	33	**50**	**47**	**50**	36	**68**	**61**	**68**	**54**	PN, V, SN, RO, RP, DR
R1561	Residential	NCA01	28	36	42	38	23	42	32	34	23	40	33	40	25	-
R1562	Residential	NCA01	35	**52**	**58**	**54**	38	**58**	**43**	**45**	31	**46**	**49**	**56**	32	PN, V, SN, RO
R1563	Residential	NCA01	40	**55**	**61**	**57**	42	**60**	**46**	**48**	34	**50**	**52**	**59**	37	PN, V, SN, RO
R1564	Residential	NCA01	29	39	**46**	**43**	28	**46**	34	35	24	41	36	**43**	26	-
R1565	Residential	NCA03	**56**	**65**	**50**	**51**	33	**50**	**47**	**50**	36	**69**	**61**	**68**	**53**	PN, V, SN, RO, RP, DR
R1566	Residential	NCA01	34	**54**	**55**	**53**	36	**55**	40	42	30	**45**	**49**	**56**	31	PN
R1567	Residential	NCA03	**55**	**65**	**48**	**48**	31	**48**	**46**	**48**	35	**69**	**61**	**68**	**52**	PN, V, SN, RO, RP, DR
R1568	Residential	NCA01	39	**56**	**63**	**59**	**44**	**63**	**45**	**47**	34	**50**	**53**	**60**	36	PN, V, SN, RO
R1569	Residential	NCA01	41	**55**	**60**	**56**	42	**60**	**48**	**49**	36	**52**	**52**	**59**	38	PN, V, SN, RO
R1570	Residential	NCA01	37	**54**	**58**	**56**	37	**58**	**44**	**46**	33	**49**	**51**	**56**	34	PN, V, SN, RO
R1571	Residential	NCA01	**45**	**57**	**61**	**58**	42	**60**	**54**	**56**	**44**	**54**	**53**	**60**	42	PN, V, SN, RO
R1572	Residential	NCA01	**49**	**58**	**62**	**59**	42	**58**	**54**	**56**	**43**	**57**	**53**	**60**	**46**	PN, V, SN, RO
R1573	Residential	NCA01	29	35	42	38	25	**43**	32	35	23	41	32	39	26	-
R1574	Residential	NCA03	**43**	**66**	**48**	**45**	31	**47**	42	**43**	30	**70**	**62**	**69**	40	PN, V, SN, RO, RP, DR
R1575	Residential	NCA01	29	**48**	**56**	**52**	38	**56**	35	37	25	42	**46**	**52**	26	PN
R1576	Residential	NCA03	**54**	**58**	**50**	**48**	33	**49**	**47**	**49**	36	**60**	**54**	**61**	**51**	PN, V, SN, RO
R1577	Residential	NCA01	40	**54**	**60**	**56**	41	**59**	**46**	**48**	36	**51**	**51**	**58**	37	PN, V, SN, RO
R1578	Residential	NCA01	42	**57**	**60**	**58**	40	**60**	**52**	**52**	41	**52**	**52**	**59**	39	PN, V, SN, RO
R1579	Residential	NCA01	29	40	**46**	**43**	28	**46**	35	36	25	41	37	**43**	26	-
R1580	Residential	NCA01	42	**56**	**60**	**57**	41	**60**	**51**	**53**	42	**52**	**52**	**60**	39	PN, V, SN, RO
R1581	Residential	NCA01	42	**57**	**60**	**57**	42	**60**	**50**	**52**	39	**54**	**53**	**59**	39	PN, V, SN, RO
R1582	Residential	NCA03	**54**	**65**	**51**	**47**	33	**49**	**47**	**49**	36	**66**	**61**	**68**	**51**	PN, V, SN, RO, RP, DR
R1583	Residential	NCA01	39	**55**	**60**	**57**	42	**61**	**47**	**49**	34	**50**	**52**	**59**	36	PN, V, SN, RO
R1584	Residential	NCA01	25	33	41	39	24	**43**	29	30	20	35	31	38	22	-
R1585	Residential	NCA01	37	**54**	**58**	**56**	36	**58**	42	**44**	31	**48**	**51**	**57**	34	PN, V, SN, RO
R1586	Residential	NCA01	27	33	39	36	22	39	30	32	22	38	31	37	24	-
R1587	Residential	NCA01	42	**55**	**60**	**57**	41	**59**	**51**	**53**	41	**52**	**52**	**59**	39	PN, V, SN, RO
R1588	Residential	NCA01	30	**44**	**50**	**46**	32	**52**	36	38	27	42	40	**48**	27	PN
R1589	Residential	NCA01	28	42	**47**	**43**	30	**48**	34	35	24	40	37	**44**	25	PN
R1590	Residential	NCA01	25	35	**43**	40	25	**43**	30	31	20	38	33	40	22	-
R1591	Residential	NCA03	**44**	**69**	**47**	**45**	30	**47**	42	**43**	30	**65**	**64**	**71**	41	PN, V, SN, RO, RP, DR
R1592	Residential	NCA01	38	**54**	**59**	**56**	**43**	**59**	**45**	**48**	34	**49**	**50**	**57**	35	PN, V, SN, RO
R1593	Residential	NCA01	40	**55**	**60**	**56**	42	**60**	**47**	**49**	35	**52**	**52**	**59**	37	PN, V, SN, RO
R1594	Residential	NCA03	42	**76**	41	38	24	41	33	36	23	**51**	**69**	**76**	39	PN, V, SN, RO, RP, DR
R1595	Residential	NCA03	41	**78**	**45**	42	27	**44**	38	39	28	**57**	**71**	**78**	38	PN, V, SN, RO, RP, DR
R1596	Residential	NCA01	42	**59**	**61**	**60**	**43**	**61**	**51**	**53**	40	**54**	**54**	**60**	39	PN, V, SN, RO
R1597	Residential	NCA01	28	39	**46**	**44**	27	**46**	33	35	24	40	37	**43**	25	-
R1598	Residential	NCA01	42	**57**	**61**	**58**	42	**62**	**52**	**54**	**43**	**53**	**53**	**59**	39	PN, V, SN, RO
R1599	Residential	NCA01	42	**56**	**60**	**58**	40	**60**	**52**	**53**	41	**54**	**53**	**60**	39	PN, V, SN, RO
R1600	Residential	NCA01	27	38	**46**	**43**	29	**49**	32	34	22	38	36	**43**	24	PN
R1601	Residential	NCA03	**50**	**64**	**47**	**45**	30	**47**	**44**	**44**	30	**67**	**60**	**67**	**47**	PN, V, SN, RO
R1602	Residential	NCA01	38	**54**	**62**	**58**	**44**	**62**	**45**	**48**	33	**49**	**52**	**58**	35	PN, V, SN, RO
R1603	Residential	NCA01	37	**53**	**57**	**55**	37	**57**	41	**43**	32	**49**	**50**	**57**	34	PN
R1604	Residential	NCA01	41	**57**	**60**	**58**	40	**59**	**50**	**51**	36	**53**	**53**	**60**	38	PN, V, SN, RO
R1605	Residential	NCA01	39	**54**	**59**	**55**	40	**58**	**46**	**48**	35	**50**	**51**	**58**	36	PN, V, SN, RO
R1606	Residential	NCA01	25	31	36	34	20	41	29	31	20	36	28	35	22	-
R1607	Residential	NCA03	42	**74**	**47**	**43**	29	**46**	41	42	30	**59**	**67**	**74**	39	PN, V, SN, RO, RP, DR
R1608	Residential	NCA01	28	35	41	37	24	42	32	34	23	40	31	38	25	-
R1609	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	**48**	**50**	37	**51**	**53**	**59**	37	PN, V, SN, RO
R1610	Residential	NCA01	28	40	**47**	**44**	29	**48**	34	35	23	39	37	**44**	25	PN
R1611	Residential	NCA01	40	**59**	**61**	**58**	**43**	**61**	**50**	**52**	40	**52**	**55**	**62**	37	PN, V, SN, RO
R1612	Residential	NCA03	41	**77**	**44**	41	27	**44**	38	39	24	**56**	**70**	**76**	38	PN, V, SN, RO, RP, DR
R1613	Residential	NCA01	40	**56**	**60**	**58**	41	**60**	**49**	**50**	37	**51**	**52**	**58**	37	PN, V, SN, RO
R1614	Residential	NCA01	40	**57**	**61**	**58**	**43**	**61**	**49**	**51**	39	**52**	**53**	**60**	37	PN, V, SN, RO
R1615	Residential	NCA01	39	**58**	**60**	**57**	42	**60**	**47**	**48**	36	**50**	**54**	**61**	36	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1616	Residential	NCA03	43	77	46	42	29	45	40	40	27	61	70	77	40	PN, V, SN, RO, RP, DR
R1617	Commercial	NCA01	30	50	58	54	40	58	35	37	25	42	48	55	27	-
R1618	Residential	NCA01	27	35	42	38	24	42	32	33	21	38	32	39	24	-
R1619	Residential	NCA01	27	36	43	39	24	43	32	33	21	38	34	41	24	-
R1620	Residential	NCA01	30	40	45	42	27	47	35	36	25	42	37	44	27	-
R1621	Residential	NCA01	42	59	62	60	43	62	51	53	41	53	54	62	39	PN, V, SN, RO
R1622	Residential	NCA01	38	57	62	59	44	62	44	46	33	49	53	59	35	PN, V, SN, RO
R1623	Residential	NCA03	42	77	45	42	28	45	39	40	26	61	70	77	39	PN, V, SN, RO, RP, DR
R1624	Residential	NCA03	40	76	40	37	23	40	33	35	22	53	69	76	37	PN, V, SN, RO, RP, DR
R1625	Residential	NCA01	40	55	59	57	40	59	48	50	37	52	52	58	37	PN, V, SN, RO
R1626	Residential	NCA03	43	69	47	44	30	46	41	42	29	71	64	71	40	PN, V, SN, RO, RP, DR
R1627	Residential	NCA01	47	60	61	58	42	59	56	56	43	58	54	61	44	PN, V, SN, RO
R1628	Residential	NCA03	43	78	45	43	27	44	40	40	29	57	70	77	40	PN, V, SN, RO, RP, DR
R1629	Residential	NCA01	31	41	47	44	29	47	36	38	27	43	38	45	28	-
R1630	Residential	NCA01	30	44	52	48	34	52	36	38	27	42	41	48	27	PN
R1631	Residential	NCA03	45	73	48	45	31	47	42	43	31	65	68	75	42	PN, V, SN, RO, RP, DR
R1632	Residential	NCA01	28	39	46	42	27	45	34	36	24	40	36	42	25	-
R1633	Residential	NCA03	44	72	47	44	29	46	40	42	29	64	66	73	41	PN, V, SN, RO, RP, DR
R1634	Residential	NCA01	36	56	62	57	42	61	44	46	33	48	52	57	33	PN, V, SN, RO
R1635	Residential	NCA01	28	41	47	44	30	49	34	36	24	40	37	44	25	PN
R1636	Residential	NCA01	27	36	43	39	25	43	32	34	23	39	34	40	24	-
R1637	Residential	NCA01	40	56	61	58	43	61	48	50	37	52	53	59	37	PN, V, SN, RO
R1639	Residential	NCA01	30	41	48	44	28	48	34	36	25	42	39	44	27	PN
R1640	Residential	NCA01	40	57	60	58	43	61	48	50	38	53	54	61	37	PN, V, SN, RO
R1641	Educational institute	NCA03	49	73	50	47	32	50	45	46	33	75	68	75	46	-
R1642	Residential	NCA03	44	77	44	40	26	43	37	38	24	55	69	76	41	PN, V, SN, RO, RP, DR
R1643	Residential	NCA01	38	54	59	56	39	58	47	49	36	49	51	58	35	PN, V, SN, RO
R1644	Residential	NCA01	38	56	60	57	41	60	48	49	35	49	52	59	35	PN, V, SN, RO
R1645	Residential	NCA01	27	35	41	37	24	42	31	33	22	38	32	39	24	-
R1646	Residential	NCA01	36	53	55	51	37	58	43	44	32	47	46	53	33	PN, V, SN, RO
R1647	Residential	NCA01	47	61	65	61	45	60	56	58	45	57	54	61	44	PN, V, SN, RO
R1648	Residential	NCA04	83	48	40	37	23	40	34	35	24	45	47	54	80	PN, V, SN, RO, RP, DR
R1649	Educational institute	NCA03	52	69	53	49	34	51	46	48	37	74	65	72	49	-
R1650	Residential	NCA01	40	54	60	57	41	59	46	48	35	51	52	58	37	PN, V, SN, RO
R1651	Residential	NCA01	30	39	44	41	26	48	35	37	26	41	36	43	27	PN
R1652	Residential	NCA01	40	56	61	58	42	61	48	50	38	51	53	59	37	PN, V, SN, RO
R1653	Residential	NCA03	44	78	46	43	27	45	40	42	30	64	70	77	41	PN, V, SN, RO, RP, DR
R1655	Residential	NCA03	45	78	46	44	27	46	40	42	30	63	70	77	42	PN, V, SN, RO, RP, DR
R1656	Residential	NCA03	44	77	45	41	27	44	38	40	26	65	69	76	41	PN, V, SN, RO, RP, DR
R1657	Residential	NCA03	46	71	46	43	29	46	40	42	29	73	66	73	43	PN, V, SN, RO, RP, DR
R1659	Residential	NCA04	94	50	40	36	22	39	32	35	24	46	46	53	91	PN, V, SN, RO, RP, DR
R1660	Commercial	NCA01	38	55	61	58	43	61	43	45	32	49	52	59	35	-
R1661	Residential	NCA01	31	41	47	43	27	47	37	39	27	43	38	45	28	-
R1662	Residential	NCA01	40	55	60	57	41	60	47	49	36	51	52	59	37	PN, V, SN, RO
R1663	Residential	NCA03	43	74	48	45	30	48	42	43	30	69	68	75	40	PN, V, SN, RO, RP, DR
R1664	Residential	NCA01	30	38	43	39	26	46	35	37	27	42	34	41	27	-
R1665	Residential	NCA01	27	33	35	33	18	35	31	31	20	39	30	37	24	-
R1666	Residential	NCA04	73	49	42	39	25	42	35	37	24	46	45	51	70	PN, V, SN, RO, RP, DR
R1667	Residential	NCA01	30	42	49	46	32	50	36	37	25	41	39	46	27	PN
R1669	Residential	NCA01	38	55	59	56	40	59	46	48	35	50	51	58	35	PN, V, SN, RO
R1670	Residential	NCA04	92	52	43	39	25	42	36	38	25	47	49	55	89	PN, V, SN, RO, RP, DR
R1671	Residential	NCA03	43	78	45	42	27	45	39	41	28	66	70	77	40	PN, V, SN, RO, RP, DR
R1672	Residential	NCA03	45	77	48	45	30	47	42	43	31	67	69	76	42	PN, V, SN, RO, RP, DR
R1673	Educational institute	NCA03	59	74	52	49	34	52	49	51	37	77	69	76	56	-
R1674	Residential	NCA01	27	40	47	43	29	47	32	34	23	39	37	43	24	-
R1675	Residential	NCA01	38	55	59	55	38	59	46	48	35	51	51	58	35	PN, V, SN, RO
R1676	Residential	NCA04	71	45	41	38	24	41	34	36	24	44	39	46	68	PN, V, SN, RO, RP, DR
R1677	Residential	NCA01	27	41	45	44	30	48	32	33	20	38	36	42	24	PN
R1678	Residential	NCA01	30	41	47	44	29	49	35	37	26	42	38	45	27	PN
R1679	Residential	NCA01	42	61	66	62	47	58	58	60	49	53	57	64	39	PN, V, SN, RO
R1680	Residential	NCA04	92	51	41	38	24	41	35	37	25	48	48	54	89	PN, V, SN, RO, RP, DR
R1681	Residential	NCA01	41	54	58	57	38	58	51	53	39	52	51	58	38	PN, V, SN, RO
R1682	Residential	NCA01	44	58	62	59	45	62	55	57	46	54	54	61	41	PN, V, SN, RO
R1683	Educational institute	NCA03	52	75	50	48	32	50	45	46	34	78	70	77	49	-
R1684	Residential	NCA01	22	29	35	32	19	35	26	28	16	33	26	33	19	-
R1685	Residential	NCA01	44	59	62	60	46	63	55	57	46	55	55	61	41	PN, V, SN, RO
R1686	Residential	NCA03	47	77	49	45	31	47	43	43	31	72	70	77	44	PN, V, SN, RO, RP, DR
R1687	Residential	NCA01	41	57	61	58	40	60	52	54	39	52	54	61	38	PN, V, SN, RO
R1688	Residential	NCA01	31	37	43	41	25	47	35	36	24	43	35	42	28	-
R1689	Residential	NCA01	30	45	52	48	35	52	37	38	27	42	43	50	27	PN
R1690	Residential	NCA04	91	53	40	37	23	40	34	35	24	47	51	57	88	PN, V, SN, RO, RP, DR
R1691	Residential	NCA01	42	59	62	59	41	61	54	55	39	52	53	61	39	PN, V, SN, RO
R1692	Residential	NCA01	41	56	60	58	39	59	51	53	40	51	53	60	38	PN, V, SN, RO
R1693	Residential	NCA03	47	79	48	45	30	48	43	44	32	70	71	78	44	PN, V, SN, RO, RP, DR
R1694	Residential	NCA04	69	50	42	39	25	42	35	37	26	47	44	51	66	PN, V, SN, RO, RP, DR
R1695	Residential	NCA01	44	60	63	60	44	63	54	56	44	55	55	62	41	PN, V, SN, RO
R1696	Residential	NCA04	91	53	37	33	21	37	30	32	19	39	49	56	88	PN, V, SN, RO, RP, DR
R1697	Residential	NCA01	27	35	42	38	25	42	32	34	22	39	32	39	24	-
R1698	Residential	NCA01	40	60	62	62	44	62	54	56	41	49	56	63	37	PN, V, SN, RO
R1699	Industrial	NCA04	45	43	41	37	22	41	33	35	24	44	40	47	42	-
R1700	Residential	NCA01	25	40	46	42	28	46	30	29	18	33	36	42	22	-
R1701	Residential	NCA04	70	43	37	34	20	37	30	32	22	39	37	44	67	PN, V, SN, RO, RP, DR
R1702	Residential	NCA04	83	56	44	40	26	43	37	39	28	50	52	59	80	PN, V, SN, RO, RP, DR
R1703	Residential	NCA01	42	60	63	60	43	63	52	54	41	53	55	62	39	PN, V, SN, RO
R1704	Residential	NCA01	30	44	51	47	34	52	36	37	26	42	42	48	27	PN
R1705	Educational institute	NCA03	54	80	50	47	32	50	45	46	35	79	72	79	51	-
R1706	Residential	NCA01	42	59	62	60	43	62	51	52	40	52	54	61	39	PN, V, SN, RO
R1707	Residential	NCA03	48	77	49	46	31	48	43	45	33	74	70	77	45	PN, V, SN, RO, RP, DR
R1708	Commercial	NCA01	35	55	61	57	43	61	42	43	31	47	52	58	32	-
R1709	Residential	NCA04	72	56	41	37	23	40	34	36	25	48	50	65	69	PN, V, SN, RO, RP, DR
R1710	Residential	NCA04	66	45	40	36	23	40	33	35	24	41	38	46	63	PN, V, SN, RO
R1711	Residential	NCA01	44	60	62	62	44	62	53	55	42	55	56	63	41	PN, V, SN, RO
R1712	Industrial	NCA01	48	61	67	64	47	62	59	60	48	59	57	64	45	-
R1713	Residential	NCA01	42	61	63	62	44	63	52	53	42	53	57	62	39	PN, V, SN, RO
R1714	Residential	NCA01	42	60	63	62	44	64	52	54	42	54	57	63	39	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1715	Commercial	NCA01	33	49	56	52	39	56	39	40	29	45	46	53	30	-
R1716	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	**47**	**48**	35	**50**	**53**	**60**	36	PN, V, SN, RO
R1717	Residential	NCA01	**43**	**59**	**63**	**59**	**44**	**63**	**51**	**53**	41	**53**	**54**	**61**	40	PN, V, SN, RO
R1718	Residential	NCA04	**65**	**57**	42	39	25	42	35	38	26	**49**	**49**	**65**	**62**	PN, V, SN, RO
R1719	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	37	38	27	**43**	**43**	**50**	28	PN
R1720	Residential	NCA01	27	36	42	39	25	**43**	33	34	21	39	33	40	24	-
R1721	Residential	NCA01	**43**	**59**	**61**	**59**	**43**	**63**	**52**	**54**	41	**54**	**55**	**62**	40	PN, V, SN, RO
R1722	Residential	NCA04	**57**	**54**	**43**	40	26	**43**	36	39	28	**50**	**48**	**55**	**54**	PN
R1723	Residential	NCA04	**70**	**49**	42	39	25	42	35	37	26	**47**	**44**	**51**	**67**	PN, V, SN, RO, RP, DR
R1724	Residential	NCA01	36	**56**	**61**	**57**	41	**61**	40	42	29	**47**	**52**	**59**	33	PN, V, SN, RO
R1725	Residential	NCA01	29	38	**45**	42	27	**46**	34	36	25	41	35	**43**	26	-
R1726	Residential	NCA01	31	**45**	**52**	**48**	34	**51**	37	38	26	**43**	42	**49**	28	PN
R1727	Residential	NCA01	28	40	**47**	**44**	30	**48**	34	35	24	40	37	**44**	25	PN
R1728	Residential	NCA01	36	**52**	**57**	**53**	39	**57**	40	42	28	**47**	**48**	**55**	33	PN
R1729	Residential	NCA01	41	**58**	**61**	**58**	41	**61**	**50**	**52**	38	**52**	**54**	**61**	38	PN, V, SN, RO
R1730	Residential	NCA01	26	38	**45**	41	27	**45**	31	33	21	38	36	42	23	-
R1731	Residential	NCA04	**67**	40	35	31	17	35	27	30	17	37	34	41	**64**	PN, V, SN, RO
R1732	Residential	NCA01	41	**61**	**62**	**60**	**43**	**62**	**49**	**51**	37	**53**	**55**	**62**	38	PN, V, SN, RO
R1733	Residential	NCA01	37	**56**	**62**	**58**	**44**	**61**	**45**	**47**	34	**50**	**52**	**60**	34	PN, V, SN, RO
R1734	Residential	NCA01	39	**59**	**64**	**61**	**46**	**65**	**46**	**48**	34	**51**	**56**	**62**	36	PN, V, SN, RO
R1735	Residential	NCA01	40	**60**	**62**	**59**	**44**	**62**	**50**	**50**	37	**52**	**55**	**62**	37	PN, V, SN, RO
R1736	Residential	NCA01	38	**60**	**66**	**62**	**48**	**66**	**43**	**44**	33	**50**	**57**	**64**	35	PN, V, SN, RO
R1737	Residential	NCA01	38	**58**	**64**	**60**	**46**	**64**	**45**	**46**	34	**50**	**55**	**62**	35	PN, V, SN, RO
R1738	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	37	39	26	**43**	42	**49**	28	PN
R1739	Educational institute	NCA03	57	77	52	49	34	52	49	48	37	79	71	78	54	-
R1740	Residential	NCA01	37	**57**	**60**	**58**	40	**61**	**44**	**46**	32	**48**	**54**	**60**	34	PN, V, SN, RO
R1741	Residential	NCA04	**51**	**44**	34	30	17	34	27	29	18	39	38	**45**	**48**	PN
R1742	Residential	NCA01	39	**59**	**66**	**62**	**47**	**65**	**46**	**48**	34	**49**	**56**	**63**	36	PN, V, SN, RO
R1743	Residential	NCA01	39	**60**	**62**	**61**	42	**62**	**48**	**49**	35	**51**	**55**	**62**	36	PN, V, SN, RO
R1744	Residential	NCA04	**62**	**47**	41	38	24	41	34	36	25	**44**	39	**47**	**59**	PN, V, SN, RO
R1745	Residential	NCA01	28	38	**46**	42	28	**45**	33	35	23	40	35	41	25	-
R1746	Residential	NCA01	26	33	39	36	22	39	31	32	21	37	30	37	23	-
R1747	Residential	NCA04	**50**	**50**	41	38	24	39	34	36	22	**44**	42	**49**	**47**	PN
R1748	Residential	NCA01	23	30	36	32	19	36	27	29	16	34	26	33	20	-
R1749	Residential	NCA04	**59**	**61**	**44**	40	26	**43**	36	38	26	**46**	**49**	**62**	**56**	PN, V, SN, RO
R1750	Residential	NCA01	39	**57**	**61**	**57**	42	**60**	**47**	**49**	35	**51**	**53**	**60**	36	PN, V, SN, RO
R1751	Residential	NCA04	**49**	**49**	41	37	24	41	34	36	24	**44**	41	**48**	**46**	PN
R1752	Residential	NCA01	30	37	**45**	41	27	**45**	34	36	24	40	34	41	27	-
R1753	Residential	NCA01	35	**55**	**59**	**57**	40	**60**	**43**	**45**	28	**46**	**51**	**58**	32	PN, V, SN, RO
R1754	Residential	NCA01	28	36	42	38	25	**45**	32	34	24	40	33	40	25	-
R1755	Residential	NCA01	37	**58**	**59**	**56**	40	**59**	**44**	**45**	29	**43**	**53**	**59**	34	PN, V, SN, RO
R1756	Residential	NCA01	42	**58**	**62**	**60**	42	**62**	**51**	**51**	39	**53**	**55**	**61**	39	PN, V, SN, RO
R1757	Residential	NCA01	36	**58**	**64**	**60**	**45**	**64**	**43**	**45**	32	**47**	**54**	**62**	33	PN, V, SN, RO
R1758	Residential	NCA01	41	**60**	**62**	**59**	**44**	**62**	**48**	**51**	38	**52**	**56**	**63**	38	PN, V, SN, RO
R1759	Residential	NCA01	37	**57**	**61**	**58**	42	**61**	**45**	**46**	33	**49**	**52**	**60**	34	PN, V, SN, RO
R1760	Residential	NCA01	37	**56**	**61**	**57**	40	**61**	**45**	**47**	32	**48**	**53**	**59**	34	PN, V, SN, RO
R1761	Residential	NCA01	30	40	**47**	**45**	29	**47**	36	37	25	41	37	**43**	27	-
R1762	Residential	NCA01	42	**62**	**69**	**66**	**50**	**62**	**60**	**62**	**50**	**49**	**59**	**66**	39	PN, V, SN, RO, RP, DR
R1763	Residential	NCA04	**59**	**60**	36	35	21	36	29	31	18	39	**48**	**62**	**56**	PN, V, SN, RO
R1764	Residential	NCA01	**44**	**64**	**71**	**67**	**52**	**64**	**61**	**63**	**51**	**53**	**60**	**67**	41	PN, V, SN, RO, RP, DR
R1765	Residential	NCA01	25	34	40	38	22	41	30	32	20	37	30	38	22	-
R1766	Residential	NCA01	39	**57**	**61**	**59**	40	**60**	**46**	**48**	34	**50**	**54**	**60**	36	PN, V, SN, RO
R1767	Industrial	NCA04	47	93	46	43	29	46	40	42	28	57	88	95	44	-
R1768	Residential	NCA04	**57**	**63**	**44**	41	27	**44**	38	40	29	**51**	**50**	**63**	**54**	PN, V, SN, RO
R1769	Residential	NCA01	41	**57**	**61**	**58**	40	**62**	**50**	**51**	39	**50**	**53**	**60**	38	PN, V, SN, RO
R1770	Residential	NCA04	**66**	**45**	41	37	24	41	33	36	22	42	38	**44**	**63**	PN, V, SN, RO
R1771	Residential	NCA01	29	40	**47**	**44**	29	**47**	35	37	24	41	37	**44**	26	-
R1772	Residential	NCA04	**54**	**46**	41	37	24	41	33	36	24	**46**	38	**46**	**51**	PN
R1773	Residential	NCA04	**54**	**62**	**44**	40	27	**44**	37	39	27	**47**	**50**	**63**	**51**	PN, V, SN, RO
R1774	Residential	NCA01	38	**57**	**62**	**59**	42	**62**	**46**	**48**	34	**50**	**53**	**60**	35	PN, V, SN, RO
R1775	Commercial	NCA01	33	51	58	55	41	58	40	42	30	45	49	56	30	-
R1776	Residential	NCA04	**56**	**57**	39	36	23	39	31	33	21	42	**45**	**62**	**53**	PN, V, SN, RO
R1777	Commercial	NCA01	35	60	65	62	47	66	42	44	32	46	56	63	32	-
R1778	Residential	NCA01	25	33	40	36	23	42	29	31	18	35	29	36	22	-
R1779	Industrial	NCA04	45	78	48	44	29	47	42	43	30	59	90	97	42	-
R1780	Residential	NCA04	**61**	**50**	42	39	25	42	36	37	27	**48**	**44**	**51**	**58**	PN, V, SN, RO
R1781	Residential	NCA04	**61**	42	38	34	21	38	31	33	21	41	36	**44**	**58**	PN, V, SN, RO
R1782	Residential	NCA01	27	34	41	38	23	41	32	33	19	38	32	38	24	-
R1783	Residential	NCA04	**63**	**45**	42	38	24	41	35	37	25	**46**	37	**44**	**60**	PN, V, SN, RO
R1784	Residential	NCA01	31	**52**	**57**	**54**	40	**57**	40	38	26	42	**48**	**55**	28	PN
R1785	Residential	NCA01	30	**43**	**51**	**47**	33	**53**	34	36	25	41	40	**47**	27	PN
R1786	Residential	NCA01	28	41	**48**	**45**	30	**49**	34	36	24	40	37	**44**	25	PN
R1787	Residential	NCA01	29	37	**43**	39	25	**43**	35	36	24	40	34	41	26	-
R1788	Residential	NCA04	**48**	**49**	**43**	40	25	**43**	36	38	26	**47**	41	**49**	**45**	PN
R1789	Commercial	NCA01	54	70	77	74	59	73	67	69	57	63	65	73	51	-
R1790	Residential	NCA01	**49**	**61**	**64**	**62**	**46**	**64**	**56**	**57**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, RO
R1791	Residential	NCA04	**56**	**48**	41	38	24	41	34	36	26	**44**	39	**46**	**53**	PN
R1792	Residential	NCA04	**57**	**56**	**44**	41	27	**44**	38	40	28	**51**	**47**	**59**	**54**	PN, V, SN, RO
R1793	Residential	NCA01	25	31	38	34	21	38	29	31	18	37	29	35	22	-
R1794	Residential	NCA01	36	**57**	**61**	**58**	41	**61**	**44**	**46**	32	**49**	**54**	**61**	33	PN, V, SN, RO
R1795	Residential	NCA01	**49**	**61**	**65**	**62**	**47**	**64**	**58**	**60**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, RO
R1796	Residential	NCA01	29	37	**43**	39	25	**43**	34	36	23	41	34	41	26	-
R1797	Residential	NCA01	28	38	**45**	**43**	27	**46**	33	35	23	40	36	42	25	-
R1798	Residential	NCA01	39	**57**	**62**	**58**	**43**	**61**	**47**	**49**	36	**51**	**53**	**60**	36	PN, V, SN, RO
R1799	Residential	NCA01	28	37	**43**	40	25	**43**	33	35	21	40	34	41	25	-
R1800	Residential	NCA04	**67**	**49**	**43**	39	25	**43**	36	38	27	**45**	**45**	**52**	**64**	PN, V, SN, RO
R1801	Residential	NCA01	40	**57**	**61**	**58**	41	**61**	**47**	**49**	36	**52**	**54**	**61**	37	PN, V, SN, RO
R1802	Residential	NCA01	26	35	40	37	23	40	30	32	21	37	32	38	23	-
R1803	Residential	NCA01	**48**	**60**	**62**	**61**	42	**62**	**55**	**57**	42	**52**	**56**	**63**	**45**	PN, V, SN, RO
R1804	Residential	NCA01	25	35	41	38	24	42	29	30	17	37	32	39	22	-
R1805	Residential	NCA01	28	36	42	40	25	**43**	34	35	24	40	34	40	25	-
R1806	Residential	NCA04	**59**	**44**	39	35	22	38	31	33	22	40	37	**44**	**56**	PN, V, SN, RO
R1807	Residential	NCA04	**53**	**47**	41	38	24	41	34	36	25	**43**	41	**52**	**50**	PN
R1808	Residential	NCA01	**45**	**62**	**64**	**63**	**45**	**64**	**56**	**57**	**45**	**56**	**57**	**64**	42	PN, V, SN, RO
R1809	Residential	NCA01	38	**59**	**62**	**58**	42	**62**	**49**	**50**	34	**50**	**54**	**61**	35	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1810	Residential	NCA01	**44**	**63**	**64**	**64**	**46**	**64**	**55**	**56**	**45**	**56**	**58**	**65**	41	PN, V, SN, RO
R1811	Residential	NCA01	28	37	**44**	41	26	**43**	34	35	23	40	33	40	25	-
R1812	Residential	NCA01	30	40	**46**	**43**	29	**47**	35	37	26	41	37	**43**	27	-
R1813	Residential	NCA01	**47**	**60**	**62**	**60**	42	**63**	**53**	**55**	41	**59**	**55**	**62**	**44**	PN, V, SN, RO
R1814	Industrial	NCA04	46	76	44	43	25	43	41	38	25	51	81	88	43	-
R1815	Residential	NCA01	40	**58**	**62**	**58**	**43**	**62**	**45**	**47**	35	**52**	**53**	**60**	37	PN, V, SN, RO
R1816	Residential	NCA04	**51**	**55**	**45**	42	27	**45**	39	41	26	**51**	**50**	**60**	**48**	PN, V, SN, RO
R1817	Residential	NCA04	**62**	**45**	42	39	25	42	36	38	26	**47**	**43**	**50**	**59**	PN, V, SN, RO
R1818	Residential	NCA01	38	**56**	**61**	**57**	42	**61**	**46**	**47**	33	**50**	**52**	**59**	35	PN, V, SN, RO
R1819	Residential	NCA04	**55**	**58**	**44**	42	27	**44**	38	40	28	**50**	**48**	**56**	**52**	PN, V, SN, RO
R1820	Residential	NCA01	40	**56**	**60**	**58**	40	**60**	**48**	**49**	35	**51**	**53**	**60**	37	PN, V, SN, RO
R1821	Residential	NCA01	**45**	**63**	**64**	**64**	**46**	**64**	**55**	**57**	**44**	**55**	**59**	**66**	42	PN, V, SN, RO
R1822	Residential	NCA01	25	38	**46**	**43**	28	**46**	30	31	16	37	34	41	22	-
R1823	Residential	NCA01	27	34	41	40	24	**44**	32	34	20	38	31	38	24	-
R1824	Residential	NCA01	42	**62**	**65**	**62**	**45**	**65**	**53**	**55**	41	**54**	**56**	**63**	39	PN, V, SN, RO
R1825	Residential	NCA01	38	**59**	**60**	**59**	41	**60**	**47**	**48**	31	**49**	**54**	**60**	35	PN, V, SN, RO
R1826	Residential	NCA04	**63**	**52**	42	39	25	42	35	37	26	**47**	**45**	**52**	**60**	PN, V, SN, RO
R1827	Residential	NCA01	30	**44**	**49**	**46**	32	**52**	37	38	27	42	40	**47**	27	PN
R1828	Residential	NCA01	42	**63**	**64**	**62**	**45**	**65**	**53**	**54**	40	**54**	**58**	**65**	39	PN, V, SN, RO
R1829	Residential	NCA01	27	40	**47**	**44**	29	**52**	33	35	21	39	38	**46**	24	PN
R1830	Industrial	NCA04	48	77	52	49	33	52	45	47	35	63	82	89	45	-
R1831	Residential	NCA01	36	**52**	**59**	**54**	40	**59**	42	**43**	31	**48**	**49**	**56**	33	PN, V, SN, RO
R1832	Residential	NCA01	29	42	**49**	**46**	31	**50**	36	36	25	41	39	**45**	26	PN
R1833	Residential	NCA04	**49**	**59**	**43**	39	25	42	36	38	26	**48**	**47**	**55**	**46**	PN, V, SN, RO
R1834	Residential	NCA04	**50**	**57**	**44**	40	26	**43**	38	39	26	**50**	**47**	**55**	**47**	PN
R1835	Residential	NCA04	41	**55**	**45**	42	28	**45**	39	40	29	**52**	**51**	**58**	38	PN, V, SN, RO
R1836	Residential	NCA01	41	**63**	**64**	**64**	**45**	**66**	**52**	**53**	39	**53**	**58**	**65**	38	PN, V, SN, RO
R1837	Residential	NCA04	**52**	**53**	**44**	40	26	**44**	37	39	27	**49**	**45**	**53**	**49**	PN
R1838	Residential	NCA01	27	38	**45**	41	27	**44**	33	35	23	39	34	41	24	-
R1839	Residential	NCA01	41	**62**	**64**	**62**	**45**	**64**	**52**	**56**	40	**54**	**56**	**63**	38	PN, V, SN, RO
R1840	Residential	NCA01	**43**	**63**	**65**	**64**	**47**	**65**	**52**	**54**	42	**54**	**58**	**65**	40	PN, V, SN, RO
R1841	Residential	NCA01	40	**63**	**64**	**62**	**44**	**64**	**50**	**51**	37	**52**	**58**	**64**	37	PN, V, SN, RO
R1842	Residential	NCA01	29	42	**48**	**45**	31	**49**	35	37	25	41	38	**45**	26	PN
R1843	Residential	NCA01	**43**	**63**	**65**	**63**	**46**	**65**	**51**	**53**	40	**55**	**58**	**65**	40	PN, V, SN, RO
R1844	Residential	NCA04	**47**	**48**	42	38	25	42	35	37	26	**43**	41	**52**	**44**	PN
R1845	Residential	NCA01	42	**64**	**65**	**65**	**47**	**65**	**51**	**52**	39	**53**	**59**	**66**	39	PN, V, SN, RO
R1846	Residential	NCA01	38	**61**	**63**	**61**	**44**	**64**	**46**	**47**	34	**50**	**56**	**62**	35	PN, V, SN, RO
R1847	Residential	NCA01	39	**63**	**64**	**62**	**44**	**64**	**49**	**51**	36	**51**	**58**	**64**	36	PN, V, SN, RO
R1848	Residential	NCA01	32	**47**	**54**	**50**	36	**55**	38	40	27	**44**	**44**	**51**	29	PN
R1849	Residential	NCA01	36	**62**	**68**	**64**	**50**	**68**	**44**	**46**	31	**48**	**59**	**66**	33	PN, V, SN, RO, RP, DR
R1850	Industrial	NCA01	34	60	65	61	47	65	41	42	30	46	54	62	31	-
R1851	Residential	NCA04	**55**	**48**	**44**	41	27	**44**	38	40	28	**51**	**44**	**53**	**52**	PN
R1852	Residential	NCA01	39	**62**	**63**	**60**	**43**	**63**	**49**	**51**	35	**49**	**56**	**63**	36	PN, V, SN, RO
R1853	Residential	NCA01	32	**44**	**49**	**46**	30	**53**	38	39	26	**44**	41	**47**	29	PN
R1854	Residential	NCA01	40	**63**	**67**	**65**	**49**	**68**	**47**	**49**	34	**50**	**59**	**66**	37	PN, V, SN, RO, RP, DR
R1855	Residential	NCA01	29	40	**46**	**43**	29	**46**	34	36	24	40	37	**44**	26	-
R1856	Residential	NCA01	27	35	42	38	25	42	32	34	20	39	33	39	24	-
R1857	Residential	NCA01	39	**63**	**64**	**61**	**44**	**64**	**48**	**51**	35	**51**	**57**	**64**	36	PN, V, SN, RO
R1858	Residential	NCA01	38	**62**	**66**	**63**	**47**	**67**	**45**	**47**	33	**49**	**58**	**65**	35	PN, V, SN, RO
R1859	Residential	NCA01	28	39	**47**	**44**	31	**48**	34	36	24	40	37	**44**	25	PN
R1860	Residential	NCA04	**51**	**46**	39	35	21	39	32	34	23	**45**	39	**47**	**48**	PN
R1861	Industrial	NCA04	50	78	50	48	32	50	44	46	35	77	92	99	47	-
R1862	Residential	NCA04	**52**	**47**	40	36	23	40	32	35	24	**45**	39	**47**	**49**	PN
R1863	Residential	NCA01	40	**63**	**66**	**63**	**47**	**65**	**49**	**51**	37	**52**	**60**	**67**	37	PN, V, SN, RO
R1864	Residential	NCA01	38	**62**	**68**	**64**	**50**	**68**	**44**	**46**	33	**48**	**59**	**66**	35	PN, V, SN, RO, RP, DR
R1865	Residential	NCA04	**55**	**49**	42	39	25	42	35	37	25	**46**	**43**	**50**	**52**	PN
R1866	Residential	NCA01	41	**63**	**64**	**63**	**45**	**64**	**49**	**51**	37	**52**	**58**	**66**	38	PN, V, SN, RO
R1867	Residential	NCA04	**56**	**45**	39	36	22	39	32	34	24	**45**	40	**47**	**53**	PN
R1868	Residential	NCA04	**47**	**48**	42	39	24	42	35	37	25	**47**	41	**51**	**44**	PN
R1869	Residential	NCA01	28	37	**43**	40	26	**43**	32	34	21	40	33	40	25	-
R1870	Residential	NCA01	29	42	**49**	**45**	31	**49**	35	37	25	41	39	**46**	26	PN
R1871	Residential	NCA04	**52**	**46**	41	38	24	41	35	37	25	**46**	37	**44**	**49**	PN
R1872	Residential	NCA04	**54**	**48**	40	36	23	39	33	35	24	**47**	42	**49**	**51**	PN
R1873	Residential	NCA04	**47**	**48**	**43**	40	26	**43**	37	39	28	**49**	**46**	**53**	**44**	PN
R1874	Residential	NCA01	41	**60**	**64**	**61**	**44**	**65**	**49**	**50**	37	**52**	**56**	**63**	38	PN, V, SN, RO
R1875	Residential	NCA01	39	**62**	**65**	**61**	**46**	**65**	**48**	**50**	36	**50**	**58**	**64**	36	PN, V, SN, RO
R1876	Residential	NCA01	38	**63**	**64**	**62**	**44**	**64**	**49**	**51**	35	**50**	**58**	**64**	35	PN, V, SN, RO
R1877	Residential	NCA01	27	37	**44**	41	26	**44**	33	35	21	39	34	41	24	-
R1878	Industrial	NCA04	44	44	39	36	22	39	32	34	24	44	39	45	41	-
R1879	Residential	NCA01	39	**63**	**68**	**64**	**47**	**68**	**47**	**49**	35	**50**	**59**	**66**	36	PN, V, SN, RO, RP, DR
R1880	Commercial	NCA01	33	46	55	51	36	58	40	42	29	45	44	51	30	-
R1881	Residential	NCA01	33	**47**	**54**	**50**	36	**55**	39	41	29	**45**	**44**	**51**	30	PN
R1882	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	37	39	27	**43**	**44**	**51**	28	PN
R1883	Residential	NCA04	**57**	**47**	39	36	22	39	32	34	23	**46**	42	**49**	**54**	PN
R1884	Residential	NCA04	**50**	41	36	33	20	36	29	31	21	40	35	42	**47**	PN
R1885	Residential	NCA01	38	**61**	**65**	**62**	**47**	**65**	**47**	**49**	35	**49**	**56**	**63**	35	PN, V, SN, RO
R1886	Residential	NCA04	**61**	**51**	**43**	40	26	**43**	36	38	27	**48**	**45**	**53**	**58**	PN, V, SN, RO
R1887	Residential	NCA01	27	37	**44**	40	26	**44**	31	33	20	39	35	41	24	-
R1888	Residential	NCA04	**57**	**49**	42	38	24	41	34	37	25	**43**	42	**49**	**54**	PN
R1889	Residential	NCA01	39	**62**	**65**	**61**	**46**	**64**	**49**	**50**	35	**50**	**58**	**65**	36	PN, V, SN, RO
R1890	Industrial	NCA04	45	43	40	36	23	40	33	35	24	44	39	46	42	-
R1891	Residential	NCA01	29	42	**49**	**45**	31	**48**	35	36	25	41	39	**45**	26	PN
R1892	Industrial	NCA04	54	76	52	50	34	51	47	49	35	96	83	90	51	-
R1893	Residential	NCA01	39	**61**	**62**	**61**	42	**62**	**54**	**56**	40	**51**	**56**	**63**	36	PN, V, SN, RO
R1894	Residential	NCA04	**51**	38	39	35	22	38	31	31	20	38	33	40	**48**	PN
R1895	Residential	NCA01	29	40	**47**	**44**	30	**48**	35	36	23	41	38	**45**	26	PN
R1896	Residential	NCA01	29	37	**44**	40	26	**44**	34	35	19	40	35	42	26	-
R1897	Residential	NCA01	27	35	41	37	24	41	33	34	19	39	32	39	24	-
R1898	Residential	NCA04	**57**	**50**	41	38	24	41	34	36	25	**47**	**45**	**52**	**54**	PN
R1899	Residential	NCA01	42	**61**	**64**	**62**	**43**	**64**	**56**	**58**	42	**50**	**57**	**64**	39	PN, V, SN, RO
R1900	Residential	NCA04	**55**	39	37	33	20	37	29	31	21	37	35	41	**52**	PN
R1901	Residential	NCA01	22	32	37	34	20	39	28	30	17	34	29	36	19	-
R1902	Residential	NCA01	23	30	36	32	19	36	27	29	13	35	27	34	20	-
R1903	Residential	NCA01	**43**	**62**	**64**	**63**	**44**	**65**	**56**	**57**	40	**55**	**58**	**64**	40	PN, V, SN, RO
R1904	Industrial	NCA04	44	44	40	36	23	40	32	34	24	41	37	45	41	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1905	Residential	NCA01	30	39	**47**	**44**	30	**48**	35	37	22	42	35	42	27	PN
R1906	Industrial	NCA01	51	78	82	79	65	73	68	70	59	61	67	74	48	-
R1907	Residential	NCA01	**43**	**62**	**65**	**62**	**44**	**65**	**55**	**56**	40	**56**	**57**	**64**	40	PN, V, SN, RO
R1908	Residential	NCA01	27	38	**46**	42	27	**45**	33	35	22	40	35	42	24	-
R1909	Residential	NCA04	**48**	40	37	33	20	37	30	32	20	38	34	41	**45**	PN
R1910	Industrial	NCA01	32	62	68	64	49	67	38	39	26	43	58	65	29	-
R1911	Residential	NCA01	31	**47**	**53**	**49**	35	**54**	37	39	27	**43**	**43**	**51**	28	PN
R1912	Commercial	NCA01	34	50	56	53	39	62	40	42	29	46	47	54	31	-
R1913	Residential	NCA01	**44**	**62**	**65**	**63**	**44**	**65**	**55**	**57**	40	**55**	**58**	**65**	41	PN, V, SN, RO
R1914	Residential	NCA04	**46**	39	38	34	21	38	30	32	21	38	34	41	**43**	-
R1915	Residential	NCA04	**48**	42	39	35	21	39	31	33	22	39	37	**43**	**45**	PN
R1916	Residential	NCA01	36	**63**	**68**	**64**	**50**	**68**	**45**	**47**	33	**48**	**59**	**66**	33	PN, V, SN, RO, RP, DR
R1917	Residential	NCA04	**46**	**48**	40	37	23	40	34	35	25	**47**	**45**	**53**	**43**	PN
R1918	Residential	NCA01	42	**63**	**66**	**64**	**45**	**66**	**54**	**56**	38	**54**	**58**	**65**	39	PN, V, SN, RO
R1919	Educational institute	NCA01	26	35	41	38	23	43	30	32	17	38	32	39	23	-
R1920	Residential	NCA01	**43**	**62**	**65**	**63**	**44**	**65**	**55**	**56**	39	**55**	**58**	**65**	40	PN, V, SN, RO
R1921	Residential	NCA01	26	33	39	35	22	39	30	32	18	38	30	37	23	-
R1922	Residential	NCA01	29	42	**50**	**46**	32	**50**	35	37	24	41	40	**45**	26	PN
R1923	Industrial	NCA04	60	76	55	51	38	55	49	51	39	96	83	90	57	-
R1924	Residential	NCA04	**52**	**54**	**45**	41	27	**44**	38	40	29	**51**	**51**	**57**	**49**	PN
R1925	Residential	NCA04	**50**	**49**	40	37	23	40	33	35	25	**44**	**44**	**52**	**47**	PN
R1926	Residential	NCA01	42	**66**	**67**	**65**	**46**	**67**	**54**	**56**	39	**54**	**60**	**67**	39	PN, V, SN, RO
R1927	Residential	NCA04	**53**	40	38	34	21	38	31	33	22	40	34	41	**50**	PN
R1928	Residential	NCA04	**50**	**49**	**43**	39	25	42	37	39	26	**49**	**47**	**53**	**47**	PN
R1929	Residential	NCA01	41	**67**	**67**	**67**	**47**	**67**	**54**	**55**	39	**52**	**61**	**68**	38	PN, V, SN, RO, RP, DR
R1930	Residential	NCA04	**46**	**49**	39	36	22	39	32	34	23	42	**46**	**54**	**43**	PN
R1931	Commercial	NCA01	35	53	60	56	42	60	41	44	31	47	51	58	32	-
R1932	Residential	NCA04	**50**	**46**	38	35	22	38	31	33	22	41	42	**49**	**47**	PN
R1933	Residential	NCA01	25	32	39	34	21	39	29	31	16	37	29	37	22	-
R1934	Residential	NCA01	41	**64**	**66**	**63**	**46**	**66**	**53**	**55**	38	**53**	**58**	**65**	38	PN, V, SN, RO
R1935	Residential	NCA01	28	36	42	39	25	**43**	32	34	19	39	33	40	25	-
R1936	Residential	NCA04	**45**	**47**	42	38	25	42	34	37	26	**43**	**43**	**49**	42	PN
R1937	Residential	NCA04	**46**	**48**	40	36	23	40	32	35	24	**47**	**44**	**49**	**43**	PN
R1938	Residential	NCA01	31	40	**47**	**44**	29	**47**	36	38	22	42	35	42	28	-
R1939	Residential	NCA01	31	**47**	**52**	**49**	35	**54**	38	40	27	**43**	41	**48**	28	PN
R1940	Residential	NCA04	**47**	**43**	38	34	21	38	30	33	22	40	40	**47**	**44**	-
R1941	Residential	NCA01	29	39	**47**	**43**	29	**46**	35	36	23	41	37	**44**	26	-
R1942	Residential	NCA01	40	**66**	**66**	**64**	**46**	**66**	**51**	**52**	36	**52**	**60**	**67**	37	PN, V, SN, RO
R1943	Residential	NCA04	**44**	**45**	40	37	23	40	33	35	23	42	36	**43**	41	-
R1944	Residential	NCA01	23	30	36	32	19	37	26	28	12	35	27	34	20	-
R1945	Residential	NCA01	42	**60**	**61**	**61**	42	**63**	**54**	**56**	41	**54**	**56**	**63**	39	PN, V, SN, RO
R1946	Residential	NCA04	**48**	**43**	40	36	23	40	34	35	24	**44**	38	**45**	**45**	PN
R1947	Industrial	NCA04	58	71	53	49	35	54	48	50	37	84	74	81	55	-
R1948	Residential	NCA01	29	42	**49**	**45**	31	**48**	35	37	25	41	39	**46**	26	PN
R1949	Residential	NCA04	**45**	41	39	35	22	39	31	34	23	42	37	**45**	42	-
R1950	Residential	NCA04	**47**	**44**	39	35	22	39	31	34	23	40	37	**44**	**44**	-
R1951	Industrial	NCA04	48	65	49	46	32	48	43	45	34	67	65	72	45	-
R1952	Place of worship	NCA01	32	45	50	48	32	53	37	39	24	44	40	47	29	-
R1953	Residential	NCA01	42	**68**	**67**	**68**	**48**	**68**	**51**	**53**	39	**53**	**63**	**69**	39	PN, V, SN, RO, RP, DR
R1954	Residential	NCA04	**52**	**43**	39	35	22	39	32	34	23	40	36	**43**	**49**	PN
R1955	Residential	NCA01	30	38	**44**	40	26	**44**	36	38	23	42	35	42	27	-
R1956	Residential	NCA01	26	33	39	36	22	40	29	31	16	37	30	37	23	-
R1957	Residential	NCA04	**46**	**43**	41	37	23	41	33	35	25	42	37	**43**	**43**	-
R1958	Residential	NCA04	**54**	**48**	42	39	25	42	35	37	26	**46**	41	**49**	**51**	PN
R1959	Residential	NCA01	38	**66**	**67**	**65**	**48**	**67**	41	42	28	**50**	**61**	**68**	35	PN, V, SN, RO, RP, DR
R1960	Residential	NCA01	40	**67**	**66**	**65**	**46**	**67**	**49**	**50**	33	**51**	**60**	**67**	37	PN, V, SN, RO
R1961	Residential	NCA04	**48**	40	39	36	22	39	33	35	24	**43**	35	42	**45**	PN
R1962	Residential	NCA01	31	40	**46**	**44**	30	**48**	37	39	26	**43**	36	**43**	28	PN
R1963	Residential	NCA01	38	**66**	**66**	**65**	**46**	**66**	**47**	**49**	34	**50**	**60**	**67**	35	PN, V, SN, RO
R1964	Residential	NCA04	**52**	39	40	36	23	40	33	35	24	**44**	35	42	**49**	PN
R1965	Residential	NCA04	**52**	**43**	40	36	22	39	31	34	23	40	40	**46**	**49**	PN
R1966	Residential	NCA04	41	40	40	37	23	39	34	36	24	**46**	37	**44**	38	-
R1967	Residential	NCA01	41	**68**	**69**	**69**	**50**	**69**	**50**	**52**	38	**52**	**64**	**71**	38	PN, V, SN, RO, RP, DR
R1968	Residential	NCA01	28	37	**45**	41	28	**44**	33	35	21	40	35	41	25	-
R1969	Residential	NCA04	**51**	**48**	42	38	24	41	34	36	26	**46**	42	**49**	**48**	PN
R1970	Residential	NCA04	**53**	**46**	**43**	39	25	**43**	35	37	25	**45**	40	**47**	**50**	PN
R1971	Residential	NCA01	31	38	**44**	40	25	**44**	36	38	22	**43**	35	42	28	-
R1972	Residential	NCA04	**51**	**46**	40	36	22	39	33	35	24	**46**	42	**48**	**48**	PN
R1973	Residential	NCA01	28	**43**	**50**	**47**	32	**51**	35	37	22	41	38	**46**	25	PN
R1974	Residential	NCA01	33	**66**	**66**	**65**	**47**	**66**	41	**43**	28	42	**60**	**67**	30	PN, V, SN, RO
R1975	Residential	NCA01	27	37	**45**	41	27	**45**	33	35	22	40	35	42	24	-
R1976	Residential	NCA01	31	**48**	**53**	**50**	36	**55**	38	39	27	**43**	**43**	**50**	28	PN
R1977	Residential	NCA04	42	**44**	39	35	22	39	32	33	23	41	38	**45**	39	-
R1978	Residential	NCA04	**53**	**44**	42	39	25	42	35	37	26	**44**	42	**48**	**50**	PN
R1979	Residential	NCA01	30	**44**	**51**	**48**	34	**51**	35	37	26	42	41	**48**	27	PN
R1980	Residential	NCA01	39	**67**	**69**	**67**	**49**	**67**	**47**	**49**	36	**50**	**62**	**69**	36	PN, V, SN, RO, RP, DR
R1981	Residential	NCA04	**43**	**52**	**44**	41	27	**44**	38	40	29	**50**	**50**	**56**	40	PN
R1982	Residential	NCA01	37	**66**	**66**	**66**	**46**	**67**	**46**	**48**	33	**49**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R1983	Residential	NCA01	39	**66**	**68**	**66**	**48**	**68**	**48**	**49**	36	**50**	**60**	**67**	36	PN, V, SN, RO, RP, DR
R1984	Residential	NCA01	29	**47**	**54**	**50**	36	**55**	35	37	25	41	41	**48**	26	PN
R1985	Residential	NCA01	28	40	**46**	42	29	**46**	35	36	22	41	37	**44**	25	-
R1986	Residential	NCA04	42	**44**	**43**	39	25	**43**	35	37	27	**44**	42	**47**	39	-
R1987	Industrial	NCA01	43	69	69	69	50	69	53	55	40	54	63	70	40	-
R1988	Residential	NCA01	30	**47**	**53**	**51**	35	**54**	37	39	24	42	41	**48**	27	PN
R1989	Residential	NCA04	**52**	**48**	42	39	25	42	35	37	27	**45**	41	**49**	**49**	PN
R1990	Residential	NCA01	27	35	40	37	24	41	32	34	20	39	31	39	24	-
R1991	Residential	NCA01	31	**48**	**54**	**51**	38	**55**	37	38	25	**43**	**44**	**51**	28	PN
R1992	Residential	NCA04	**43**	39	39	36	22	39	33	35	23	41	34	41	40	-
R1993	Residential	NCA01	28	42	**49**	**45**	31	**49**	34	36	24	40	39	**46**	25	PN
R1994	Residential	NCA04	**43**	35	39	35	22	39	32	34	23	41	32	39	40	-
R1995	Residential	NCA01	39	**66**	**69**	**66**	**49**	**69**	**47**	**49**	34	**50**	**61**	**68**	36	PN, V, SN, RO, RP, DR
R1996	Residential	NCA01	39	**66**	**67**	**65**	**46**	**67**	**48**	**49**	34	**51**	**61**	**68**	36	PN, V, SN, RO, RP, DR
R1997	Residential	NCA04	**49**	42	39	36	22	39	32	34	24	40	38	**45**	**46**	PN
R1998	Residential	NCA01	31	**48**	**53**	**50**	36	**54**	37	38	27	**43**	**44**	**50**	28	PN
R1999	Residential	NCA01	29	39	**46**	**43**	29	**47**	33	35	19	41	35	41	26	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2000	Residential	NCA01	28	37	**43**	39	26	**44**	33	34	20	40	34	41	25	-
R2001	Residential	NCA04	**43**	**47**	**44**	40	26	**43**	37	39	28	**49**	**45**	**51**	40	PN
R2002	Residential	NCA04	**52**	**43**	41	37	24	41	33	35	24	41	39	**46**	**49**	PN
R2003	Residential	NCA01	38	**67**	**70**	**66**	**49**	**70**	**47**	**49**	34	**50**	**61**	**68**	35	PN, V, SN, RO, RP, DR
R2004	Residential	NCA04	38	38	37	34	20	37	30	33	23	37	34	41	35	-
R2005	Residential	NCA01	30	**46**	**53**	**50**	35	**54**	35	37	23	42	41	**48**	27	PN
R2006	Residential	NCA01	37	**66**	**69**	**66**	**50**	**69**	**44**	**46**	32	**47**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2007	Residential	NCA01	25	32	38	34	21	39	25	27	14	34	29	36	22	-
R2008	Residential	NCA01	29	41	**46**	42	30	**47**	34	36	24	41	37	**44**	26	-
R2009	Residential	NCA01	38	**66**	**70**	**67**	**50**	**70**	**46**	**48**	32	**49**	**62**	**69**	35	PN, V, SN, RO, RP, DR
R2010	Residential	NCA01	30	**43**	**50**	**46**	32	**50**	36	38	22	42	41	**48**	27	PN
R2011	Residential	NCA01	26	32	38	34	21	38	29	30	16	38	29	36	23	-
R2012	Residential	NCA04	42	**49**	**43**	40	26	**43**	37	39	28	**49**	**47**	**52**	39	PN
R2013	Residential	NCA04	**52**	41	40	37	23	40	32	35	24	41	38	**45**	**49**	PN
R2014	Residential	NCA01	38	**65**	**68**	**65**	**49**	**68**	**46**	**48**	32	**48**	**60**	**67**	35	PN, V, SN, RO, RP, DR
R2015	Residential	NCA01	39	**67**	**70**	**67**	**52**	**71**	**46**	**48**	35	**50**	**62**	**69**	36	PN, V, SN, RO, RP, DR
R2016	Residential	NCA01	40	**70**	**68**	**68**	**47**	**68**	**49**	**52**	35	**51**	**61**	**69**	37	PN, V, SN, RO, RP, DR
R2017	Residential	NCA04	**44**	37	41	38	24	41	34	36	25	42	35	42	41	-
R2018	Residential	NCA04	**48**	40	41	38	24	41	34	36	23	40	37	**44**	**45**	PN
R2019	Residential	NCA01	28	37	**43**	39	26	**43**	33	35	20	40	34	40	25	-
R2020	Residential	NCA01	27	38	**45**	41	27	**45**	33	35	21	40	35	42	24	-
R2021	Residential	NCA01	26	39	**45**	41	27	**46**	29	31	17	38	36	**43**	23	-
R2022	Commercial	NCA01	35	68	66	63	49	71	40	42	31	45	56	63	32	-
R2023	Residential	NCA04	**50**	40	39	35	22	39	31	33	23	39	37	**43**	**47**	PN
R2024	Residential	NCA01	40	**70**	**72**	**70**	**54**	**73**	**47**	**48**	35	**51**	**64**	**71**	37	PN, V, SN, RO, RP, DR
R2025	Residential	NCA01	27	33	40	35	21	39	31	33	16	39	30	38	24	-
R2026	Residential	NCA01	36	**69**	**72**	**69**	**54**	**72**	42	**44**	30	**48**	**63**	**70**	33	PN, V, SN, RO, RP, DR
R2027	Residential	NCA04	41	**44**	**43**	40	26	**43**	36	39	26	**44**	41	**47**	38	-
R2028	Industrial	NCA01	42	76	71	73	50	73	54	56	39	54	65	72	39	-
R2029	Residential	NCA04	**43**	**51**	**44**	41	27	**44**	37	39	29	**50**	**49**	**56**	40	PN
R2030	Place of worship	NCA01	30	42	48	45	31	48	34	36	22	42	39	47	27	-
R2031	Residential	NCA01	35	**68**	**72**	**68**	**54**	**72**	41	**43**	29	**47**	**63**	**70**	32	PN, V, SN, RO, RP, DR
R2032	Residential	NCA04	**48**	41	37	34	21	37	30	32	22	39	35	**47**	**45**	PN
R2033	Residential	NCA01	29	39	**45**	41	28	**46**	34	35	23	40	36	**43**	26	-
R2034	Residential	NCA01	40	**71**	**71**	**70**	**49**	**69**	**49**	**51**	36	**51**	**65**	**72**	37	PN, V, SN, RO, RP, DR
R2035	Place of worship	NCA01	30	43	50	46	32	50	36	37	25	41	40	47	27	-
R2036	Residential	NCA01	27	34	39	35	22	39	31	33	18	38	30	37	24	-
R2037	Residential	NCA04	**45**	**44**	42	39	25	42	35	37	25	**44**	42	**49**	42	PN
R2038	Industrial	NCA04	48	61	49	47	32	49	44	46	35	71	60	67	45	-
R2039	Commercial	NCA01	33	56	60	56	43	62	40	41	29	45	46	53	30	-
R2040	Residential	NCA01	38	**70**	**67**	**67**	**48**	**68**	**48**	**50**	34	**50**	**62**	**69**	35	PN, V, SN, RO, RP, DR
R2041	Residential	NCA04	**44**	39	38	34	20	36	31	33	22	39	37	**44**	41	-
R2042	Residential	NCA04	42	**47**	**43**	39	25	42	36	38	26	**45**	**45**	**51**	39	PN
R2043	Residential	NCA01	22	28	34	32	17	36	24	26	13	34	25	32	19	-
R2044	Commercial	NCA01	33	51	57	53	39	58	40	42	28	45	46	53	30	-
R2045	Residential	NCA04	**43**	**51**	**44**	40	26	**43**	37	39	28	**49**	**49**	**54**	40	PN
R2046	Residential	NCA04	**46**	**46**	42	38	25	41	35	37	26	**44**	**44**	**49**	**43**	PN
R2047	Residential	NCA04	**47**	**46**	41	37	24	41	34	36	25	**46**	40	**45**	**44**	-
R2048	Residential	NCA04	**45**	**43**	40	37	23	40	34	36	24	**45**	40	**47**	42	-
R2049	Residential	NCA01	28	39	**46**	41	28	**46**	34	36	21	41	36	**43**	25	-
R2050	Commercial	NCA01	34	64	65	61	47	69	41	43	28	46	56	63	31	-
R2051	Residential	NCA01	39	**73**	**70**	**70**	**49**	**70**	**49**	**50**	34	**51**	**64**	**71**	36	PN, V, SN, RO, RP, DR
R2052	Industrial	NCA04	44	44	40	37	23	40	33	35	25	44	38	44	41	-
R2053	Residential	NCA01	29	40	**47**	**43**	29	**47**	34	36	22	41	37	**44**	26	-
R2054	Residential	NCA04	**44**	41	40	37	22	39	33	35	24	**44**	39	**47**	41	-
R2055	Residential	NCA01	40	**78**	**78**	**76**	**59**	**78**	**47**	**49**	36	**50**	**70**	**77**	37	PN, V, SN, RO, RP, DR
R2056	Commercial	NCA01	32	49	55	51	37	55	39	40	27	43	46	53	29	-
R2057	Residential	NCA01	29	39	**47**	**44**	29	**48**	34	36	21	40	37	**44**	26	PN
R2058	Residential	NCA01	28	42	**48**	**45**	31	**49**	34	36	25	40	39	**46**	25	PN
R2059	Residential	NCA01	25	33	39	37	22	41	29	31	16	37	30	37	22	-
R2060	Residential	NCA01	27	36	**43**	39	25	**43**	33	35	21	39	33	40	24	-
R2061	Residential	NCA01	41	**76**	**72**	**73**	**51**	**72**	**52**	**54**	39	**52**	**66**	**72**	38	PN, V, SN, RO, RP, DR
R2062	Residential	NCA04	**47**	**52**	**45**	42	28	**45**	39	41	30	**50**	**50**	**56**	**44**	PN
R2063	Residential	NCA04	**51**	**47**	**44**	39	25	**43**	37	39	27	**48**	**44**	**50**	**48**	PN
R2064	Residential	NCA01	36	**69**	**72**	**69**	**53**	**73**	**44**	**45**	30	**48**	**64**	**71**	33	PN, V, SN, RO, RP, DR
R2065	Residential	NCA01	29	38	**45**	41	28	**46**	35	36	23	40	35	42	26	-
R2066	Residential	NCA01	24	34	41	37	23	41	30	32	17	36	31	38	21	-
R2067	Residential	NCA04	**46**	**45**	42	38	25	42	35	37	26	**48**	42	**47**	**43**	PN
R2068	Residential	NCA04	**45**	**44**	37	34	20	36	31	33	19	39	37	42	42	-
R2069	Commercial	NCA01	32	50	55	52	38	59	38	40	25	44	43	50	29	-
R2070	Residential	NCA01	41	**76**	**73**	**75**	**54**	**74**	**50**	**53**	38	**53**	**69**	**76**	38	PN, V, SN, RO, RP, DR
R2071	Residential	NCA04	**46**	**51**	40	36	23	39	33	35	25	**45**	**48**	**54**	**43**	PN
R2072	Residential	NCA01	38	**71**	**69**	**70**	**50**	**70**	**47**	**49**	33	**50**	**64**	**71**	35	PN, V, SN, RO, RP, DR
R2073	Residential	NCA01	34	**68**	**72**	**68**	**54**	**72**	42	**43**	29	**46**	**63**	**70**	31	PN, V, SN, RO, RP, DR
R2074	Residential	NCA01	30	**44**	**50**	**46**	33	**51**	36	38	25	42	40	**48**	27	PN
R2075	Industrial	NCA04	48	60	50	48	32	50	45	47	35	70	60	67	45	-
R2076	Residential	NCA04	**48**	**44**	41	38	23	41	35	37	25	**47**	42	**47**	**45**	PN
R2077	Residential	NCA04	41	38	34	31	16	33	27	29	18	39	32	39	38	-
R2078	Residential	NCA04	**50**	**47**	**43**	39	25	**43**	36	38	27	**47**	**45**	**48**	**47**	PN
R2079	Residential	NCA04	**50**	**46**	42	38	24	41	35	37	26	**46**	**43**	**48**	**47**	PN
R2080	Residential	NCA01	24	31	36	33	20	37	27	29	13	35	28	35	21	-
R2081	Residential	NCA01	39	**77**	**75**	**75**	**55**	**76**	**48**	**50**	36	**51**	**70**	**77**	36	PN, V, SN, RO, RP, DR
R2082	Residential	NCA01	30	**43**	**50**	**46**	32	**50**	37	39	24	42	40	**47**	27	PN
R2083	Residential	NCA01	40	**77**	**72**	**72**	**51**	**72**	**48**	**50**	36	**49**	**66**	**73**	37	PN, V, SN, RO, RP, DR
R2084	Residential	NCA04	**46**	**44**	40	37	22	39	34	36	24	**45**	40	**46**	**43**	-
R2085	Industrial	NCA04	58	64	51	49	34	50	48	49	38	73	63	70	55	-
R2086	Residential	NCA01	25	33	39	36	22	40	30	31	15	37	30	37	22	-
R2087	Residential	NCA01	38	**76**	**77**	**75**	**60**	**78**	**46**	**48**	34	**50**	**69**	**76**	35	PN, V, SN, RO, RP, DR
R2088	Residential	NCA01	41	**76**	**77**	**75**	**60**	**78**	**49**	**51**	37	**50**	**69**	**76**	38	PN, V, SN, RO, RP, DR
R2089	Commercial	NCA01	31	49	55	51	37	55	38	40	28	43	45	52	28	-
R2090	Industrial	NCA04	43	59	44	42	28	44	38	40	29	67	58	65	40	-
R2091	Residential	NCA01	27	36	**43**	39	25	**43**	32	34	19	39	34	40	24	-
R2092	Residential	NCA01	37	**78**	**72**	**74**	**52**	**73**	**45**	**48**	35	**48**	**67**	**74**	34	PN, V, SN, RO, RP, DR
R2093	Residential	NCA01	39	**77**	**73**	**74**	**53**	**73**	**44**	**47**	35	**49**	**68**	**75**	36	PN, V, SN, RO, RP, DR
R2094	Residential	NCA01	28	40	**46**	42	29	**47**	32	34	20	40	37	**44**	25	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2095	Residential	NCA04	46	47	41	37	23	41	34	36	25	47	45	51	43	PN
R2096	Residential	NCA01	28	44	50	46	32	51	34	36	24	40	41	48	25	PN
R2097	Residential	NCA01	29	40	46	45	28	49	34	36	24	41	36	44	26	PN
R2098	Residential	NCA01	29	41	47	44	30	47	34	36	23	41	38	45	26	-
R2099	Commercial	NCA01	25	36	44	42	26	46	29	31	16	37	32	39	22	-
R2100	Residential	NCA04	49	49	44	40	26	43	37	39	28	49	46	50	46	PN
R2101	Commercial	NCA01	30	42	49	45	30	49	36	37	22	42	38	45	27	-
R2102	Industrial	NCA04	48	56	49	46	31	49	43	45	34	61	54	61	45	-
R2103	Commercial	NCA01	37	70	68	66	50	75	43	45	32	47	60	67	34	-
R2104	Commercial	NCA01	25	37	42	42	27	47	29	31	16	37	33	40	22	-
R2105	Residential	NCA04	49	50	44	41	27	44	38	41	30	51	48	54	46	PN
R2106	Industrial	NCA04	66	65	57	54	39	57	50	52	41	73	64	71	63	-
R2107	Residential	NCA01	24	33	40	36	21	40	28	30	15	36	31	38	21	-
R2108	Residential	NCA04	49	50	41	39	24	41	36	38	25	48	47	54	46	PN
R2109	Residential	NCA02	54	75	91	100	78	87	82	83	72	66	78	85	51	PN, V, SN, RO, RP, DR
R2110	Residential	NCA01	37	76	76	74	56	77	44	47	33	47	69	75	34	PN, V, SN, RO, RP, DR
R2111	Residential	NCA04	50	43	40	37	23	40	34	36	24	46	40	46	47	PN
R2112	Residential	NCA01	32	75	76	74	56	76	39	41	25	44	68	75	29	PN, V, SN, RO, RP, DR
R2113	Residential	NCA04	45	51	44	41	27	44	38	40	29	51	49	55	42	PN
R2114	Residential	NCA01	37	76	75	74	56	76	44	47	33	46	68	75	34	PN, V, SN, RO, RP, DR
R2115	Residential	NCA01	29	43	50	46	32	50	35	37	23	41	40	46	26	PN
R2116	Residential	NCA04	48	51	45	42	27	44	39	41	30	51	49	55	45	PN
R2117	Residential	NCA01	27	38	45	41	27	45	32	34	20	39	35	42	24	-
R2118	Residential	NCA01	38	77	77	76	59	78	45	47	33	48	70	77	35	PN, V, SN, RO, RP, DR
R2119	Commercial	NCA01	35	58	61	58	46	64	40	42	30	46	53	60	32	-
R2120	Residential	NCA04	44	52	44	41	27	44	38	40	29	50	49	55	41	PN
R2121	Industrial	NCA04	52	59	50	47	32	50	45	47	35	69	59	66	49	-
R2122	Residential	NCA02	52	72	89	92	76	86	78	81	70	62	76	83	49	PN, V, SN, RO, RP, DR
R2123	Residential	NCA01	27	37	43	39	25	43	32	34	20	39	34	41	24	-
R2124	Residential	NCA04	41	38	38	34	21	38	30	32	22	39	35	41	38	-
R2125	Commercial	NCA01	38	77	78	76	60	78	45	47	34	50	70	77	35	-
R2126	Commercial	NCA01	30	45	52	49	34	53	35	37	22	42	42	49	27	-
R2127	Residential	NCA01	27	36	42	39	25	43	32	34	20	39	33	41	24	-
R2128	Residential	NCA02	51	72	88	91	75	86	77	80	69	59	75	82	48	PN, V, SN, RO, RP, DR
R2129	Residential	NCA01	28	43	49	46	32	49	34	36	24	40	39	47	25	PN
R2130	Residential	NCA04	45	49	40	37	23	40	35	37	24	46	44	47	42	PN
R2131	Residential	NCA04	45	44	41	38	24	41	35	37	26	46	42	48	42	PN
R2132	Residential	NCA01	26	36	43	39	25	43	32	34	19	38	34	40	23	-
R2133	Residential	NCA04	42	42	40	37	23	40	34	36	25	45	40	45	39	-
R2134	Industrial	NCA04	52	61	45	41	28	45	37	39	29	68	59	66	49	-
R2135	Residential	NCA02	51	70	88	91	75	85	74	77	66	61	75	82	48	PN, V, SN, RO, RP, DR
R2136	Residential	NCA04	41	42	38	36	21	38	33	35	23	44	39	45	38	-
R2137	Industrial	NCA04	47	58	49	46	32	48	43	45	34	62	56	63	44	-
R2138	Residential	NCA02	47	72	88	92	75	86	72	74	64	59	75	82	44	PN, V, SN, RO, RP, DR
R2139	Commercial	NCA01	32	53	57	54	39	57	38	39	24	43	48	55	29	-
R2140	Residential	NCA02	48	73	88	91	74	86	68	70	60	60	75	82	45	PN, V, SN, RO, RP, DR
R2141	Residential	NCA04	38	39	41	38	24	41	34	36	25	46	37	44	35	-
R2142	Residential	NCA02	54	69	80	79	64	79	73	74	63	66	69	76	51	PN, V, SN, RO, RP, DR
R2143	Commercial	NCA01	30	41	47	44	30	48	36	38	22	42	38	45	27	-
R2144	Residential	NCA04	48	46	42	39	25	42	35	37	27	47	43	50	45	PN
R2145	Residential	NCA04	33	44	41	38	24	41	34	36	25	46	43	49	30	PN
R2146	Residential	NCA02	47	73	88	90	74	86	66	68	58	59	75	82	44	PN, V, SN, RO, RP, DR
R2147	Residential	NCA01	27	40	46	42	28	46	34	36	23	40	37	44	24	-
R2148	Residential	NCA04	47	40	39	35	21	39	31	33	22	43	37	42	44	-
R2149	Residential	NCA02	49	73	89	91	75	86	65	67	56	59	75	82	46	PN, V, SN, RO, RP, DR
R2150	Commercial	NCA01	34	56	60	57	43	62	39	42	29	45	51	58	31	-
R2151	Commercial	NCA01	31	46	52	49	34	53	37	39	25	43	42	49	28	-
R2152	Residential	NCA02	47	74	89	91	75	86	64	66	55	58	75	82	44	PN, V, SN, RO, RP, DR
R2153	Residential	NCA01	23	33	39	35	22	40	26	29	16	34	30	37	20	-
R2154	Residential	NCA04	47	37	42	39	24	42	36	38	25	45	35	43	44	-
R2155	Residential	NCA04	47	41	41	38	24	41	34	37	26	46	38	46	44	-
R2156	Residential	NCA04	38	51	45	42	27	44	38	40	29	52	48	55	35	PN
R2157	Industrial	NCA04	46	59	48	46	31	48	42	44	33	60	58	65	43	-
R2158	Residential	NCA02	45	74	92	99	80	88	60	62	51	56	77	84	42	PN, V, SN, RO, RP, DR
R2159	Residential	NCA02	45	72	88	91	75	86	63	64	51	58	75	82	42	PN, V, SN, RO, RP, DR
R2160	Residential	NCA04	46	44	44	40	26	43	37	39	28	50	41	48	43	PN
R2161	Residential	NCA02	45	73	88	91	75	86	61	62	50	57	75	82	42	PN, V, SN, RO, RP, DR
R2162	Residential	NCA01	27	39	45	42	27	45	33	35	20	39	36	43	24	-
R2163	Residential	NCA01	28	43	49	46	31	49	34	36	22	40	39	46	25	PN
R2164	Residential	NCA04	46	45	41	38	24	41	34	37	26	47	43	45	43	-
R2165	Commercial	NCA01	39	79	75	73	58	79	45	47	34	48	67	74	36	-
R2166	Residential	NCA02	39	73	89	92	76	86	49	51	38	49	75	82	36	PN, V, SN, RO, RP, DR
R2167	Commercial	NCA01	36	65	64	61	48	68	43	45	30	47	56	63	33	-
R2168	Residential	NCA01	28	36	44	40	26	44	32	34	18	39	34	41	25	-
R2169	Residential	NCA04	36	41	37	33	21	37	29	32	22	41	39	43	33	-
R2170	Industrial	NCA04	41	41	39	37	22	39	33	36	23	44	38	45	38	-
R2171	Residential	NCA04	38	45	44	41	27	44	37	39	28	50	42	48	35	PN
R2172	Residential	NCA02	54	66	77	75	61	76	69	71	60	66	67	74	51	PN, V, SN, RO, RP, DR
R2173	Industrial	NCA04	43	43	40	37	23	40	33	35	25	45	40	47	40	-
R2174	Residential	NCA01	26	34	41	37	23	41	30	33	17	38	31	38	23	-
R2175	Residential	NCA02	51	68	79	76	63	77	67	69	53	63	68	75	48	PN, V, SN, RO, RP, DR
R2176	Residential	NCA02	40	73	88	90	74	85	51	53	40	51	75	82	37	PN, V, SN, RO, RP, DR
R2177	Residential	NCA04	47	42	41	38	24	41	35	37	25	46	39	45	44	-
R2178	Residential	NCA02	42	73	88	90	75	86	56	58	44	53	75	82	39	PN, V, SN, RO, RP, DR
R2179	Residential	NCA01	28	43	49	46	32	50	34	36	25	40	40	47	25	PN
R2180	Residential	NCA01	28	43	49	46	32	50	34	36	23	40	40	47	25	PN
R2181	Residential	NCA02	43	73	88	90	75	86	56	58	46	54	75	82	40	PN, V, SN, RO, RP, DR
R2182	Residential	NCA04	38	41	41	38	24	41	34	36	25	48	39	46	35	PN
R2183	Industrial	NCA04	44	59	48	46	31	48	42	44	33	57	58	65	41	-
R2184	Residential	NCA02	43	74	89	91	75	86	55	57	43	53	75	82	40	PN, V, SN, RO, RP, DR
R2185	Residential	NCA02	57	65	72	72	55	70	67	69	58	68	65	72	54	PN, V, SN, RO, RP, DR
R2186	Commercial	NCA01	28	40	46	42	29	46	33	35	20	39	36	43	25	-
R2187	Residential	NCA04	46	51	45	42	28	44	39	41	29	52	49	54	43	PN
R2188	Residential	NCA01	27	43	49	45	31	49	33	35	23	38	39	46	24	PN
R2189	Industrial	NCA04	46	55	49	47	32	49	43	45	33	62	53	59	43	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2190	Residential	NCA04	41	41	37	33	20	37	30	32	21	41	39	42	38	-
R2191	Residential	NCA04	**47**	**49**	**44**	41	27	**44**	38	40	29	**51**	**47**	**53**	**44**	PN
R2192	Residential	NCA02	40	**72**	**87**	**88**	**73**	**85**	**48**	**50**	33	**49**	**74**	**81**	37	PN, V, SN, RO, RP, DR
R2193	Residential	NCA04	37	**47**	39	35	22	39	31	33	23	**48**	**44**	**50**	34	PN
R2194	Residential	NCA02	42	**73**	**87**	**88**	**73**	**85**	**54**	**56**	43	**53**	**74**	**81**	39	PN, V, SN, RO, RP, DR
R2195	Industrial	NCA04	63	60	57	54	39	56	50	52	40	68	58	65	60	-
R2196	Residential	NCA02	**44**	**70**	**81**	**80**	**65**	**80**	**48**	**50**	38	**51**	**70**	**77**	41	PN, V, SN, RO, RP, DR
R2197	Residential	NCA01	26	34	41	37	24	41	30	32	17	37	31	38	23	-
R2198	Residential	NCA02	**44**	**69**	**81**	**80**	**66**	**79**	**49**	**51**	39	**54**	**69**	**76**	41	PN, V, SN, RO, RP, DR
R2199	Residential	NCA01	27	**43**	**48**	**45**	31	**49**	33	35	23	39	39	**46**	24	PN
R2200	Residential	NCA02	**45**	**69**	**79**	**77**	**63**	**78**	**54**	**56**	**45**	**57**	**68**	**75**	42	PN, V, SN, RO, RP, DR
R2201	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	43	**53**	**75**	**82**	38	PN, V, SN, RO, RP, DR
R2202	Commercial	NCA01	29	40	45	42	28	45	34	36	21	41	36	43	26	-
R2203	Residential	NCA02	**54**	**65**	**75**	**72**	**59**	**74**	**67**	**68**	**58**	**66**	**65**	**71**	**51**	PN, V, SN, RO, RP, DR
R2204	Residential	NCA01	27	38	**46**	42	28	**46**	33	35	21	39	36	**43**	24	-
R2205	Residential	NCA02	**51**	**65**	**76**	**72**	**59**	**76**	**65**	**67**	**57**	**61**	**66**	**73**	**48**	PN, V, SN, RO, RP, DR
R2206	Residential	NCA04	37	**43**	42	39	25	42	35	37	27	**48**	42	**45**	34	PN
R2207	Residential	NCA01	25	34	40	37	22	40	30	32	15	36	32	38	22	-
R2208	Residential	NCA02	41	**73**	**88**	**89**	**74**	**85**	**53**	**55**	41	**54**	**75**	**82**	38	PN, V, SN, RO, RP, DR
R2209	Residential	NCA04	38	**46**	35	31	18	35	27	29	19	40	**43**	**47**	35	-
R2210	Residential	NCA04	**45**	37	39	35	22	39	30	32	22	**43**	35	42	42	-
R2211	Residential	NCA01	26	34	42	38	24	42	31	33	17	38	32	39	23	-
R2212	Residential	NCA02	40	**72**	**88**	**90**	**75**	**86**	**52**	**52**	40	**51**	**75**	**82**	37	PN, V, SN, RO, RP, DR
R2213	Industrial	NCA04	46	45	42	39	25	42	35	37	27	47	42	49	43	-
R2214	Residential	NCA04	36	**43**	42	38	25	42	35	36	25	**47**	40	**48**	33	PN
R2215	Commercial	NCA01	32	51	56	53	38	57	38	40	28	44	48	55	29	-
R2216	Industrial	NCA04	47	55	50	48	33	51	45	47	35	62	53	59	44	-
R2217	Commercial	NCA01	28	40	45	42	28	45	35	37	22	40	37	43	25	-
R2218	Residential	NCA02	**51**	**66**	**75**	**72**	**59**	**74**	**66**	**68**	**58**	**63**	**65**	**72**	**48**	PN, V, SN, RO, RP, DR
R2219	Residential	NCA04	**45**	**53**	**45**	42	28	**45**	38	40	29	**53**	**51**	**55**	42	PN
R2220	Residential	NCA02	40	**74**	**90**	**93**	**77**	**87**	**51**	**52**	38	**52**	**76**	**83**	37	PN, V, SN, RO, RP, DR
R2221	Residential	NCA01	27	38	**46**	42	28	**46**	33	35	20	39	36	**43**	24	-
R2222	Residential	NCA02	42	**69**	**79**	**78**	**64**	**79**	**48**	**50**	37	**53**	**69**	**76**	39	PN, V, SN, RO, RP, DR
R2223	Residential	NCA02	**54**	**65**	**72**	**71**	**56**	**62**	**66**	**67**	**58**	**67**	**64**	**71**	**51**	PN, V, SN, RO, RP, DR
R2224	Residential	NCA01	24	31	36	33	19	36	28	31	15	35	28	35	21	-
R2225	Residential	NCA02	42	**67**	**79**	**75**	**59**	**78**	**49**	**50**	39	**54**	**68**	**75**	39	PN, V, SN, RO, RP, DR
R2226	Residential	NCA02	42	**70**	**79**	**76**	**62**	**78**	**49**	**51**	39	**51**	**68**	**75**	39	PN, V, SN, RO, RP, DR
R2227	Active recreation	NCA01	29	39	46	43	29	46	33	36	19	40	36	43	26	-
R2228	Residential	NCA04	34	42	38	35	22	38	31	33	23	**43**	40	**44**	31	-
R2229	Residential	NCA02	37	**73**	**88**	**89**	**75**	**86**	**45**	**47**	34	**49**	**75**	**82**	34	PN, V, SN, RO, RP, DR
R2230	Active recreation	NCA04	44	44	41	38	24	41	34	36	26	46	41	45	41	-
R2231	Residential	NCA02	**54**	**66**	**74**	**71**	**57**	**73**	**66**	**68**	**57**	**65**	**64**	**71**	**51**	PN, V, SN, RO, RP, DR
R2232	Active recreation	NCA04	39	41	40	37	22	40	33	35	24	45	38	45	36	-
R2233	Active recreation	NCA04	43	42	39	36	22	38	32	34	23	44	39	42	40	-
R2234	Residential	NCA01	24	33	42	39	24	42	27	30	16	35	31	38	21	-
R2235	Industrial	NCA04	46	55	48	45	31	48	42	44	33	60	53	59	43	-
R2236	Residential	NCA02	43	**68**	**80**	**77**	**63**	**78**	**52**	**54**	42	**53**	**69**	**76**	40	PN, V, SN, RO, RP, DR
R2237	Residential	NCA02	39	**73**	**88**	**89**	**74**	**86**	**49**	**51**	38	**51**	**75**	**82**	36	PN, V, SN, RO, RP, DR
R2238	Residential	NCA02	**46**	**66**	**76**	**72**	**56**	**76**	**59**	**61**	**50**	**57**	**66**	**73**	43	PN, V, SN, RO, RP, DR
R2239	Residential	NCA02	39	**73**	**89**	**91**	**75**	**86**	**50**	**52**	36	**51**	**75**	**82**	36	PN, V, SN, RO, RP, DR
R2240	Residential	NCA01	27	37	**45**	41	27	**45**	32	33	19	38	34	41	24	-
R2241	Residential	NCA02	**51**	**65**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**60**	**64**	**71**	**48**	PN, V, SN, RO, RP, DR
R2242	Residential	NCA01	24	33	**43**	39	24	**43**	28	31	16	35	30	37	21	-
R2243	Residential	NCA02	**52**	**64**	**74**	**71**	**58**	**74**	**65**	**68**	**57**	**64**	**64**	**71**	**49**	PN, V, SN, RO, RP, DR
R2245	Residential	NCA01	28	**43**	**48**	**45**	31	**49**	34	36	24	40	39	**46**	25	PN
R2246	Residential	NCA02	41	**68**	**79**	**77**	**63**	**78**	**50**	**52**	39	**53**	**68**	**75**	38	PN, V, SN, RO, RP, DR
R2247	Residential	NCA02	40	**74**	**89**	**90**	**75**	**86**	**49**	**51**	37	**51**	**75**	**82**	37	PN, V, SN, RO, RP, DR
R2248	Residential	NCA01	23	33	40	37	22	40	28	30	15	35	30	36	20	-
R2249	Residential	NCA02	**50**	**66**	**75**	**72**	**58**	**75**	**61**	**63**	**52**	**60**	**65**	**72**	**47**	PN, V, SN, RO, RP, DR
R2250	Place of worship	NCA01	29	44	50	46	32	50	35	37	24	41	40	47	26	-
R2251	Active recreation	NCA04	44	44	41	38	24	41	35	37	26	46	42	43	41	-
R2252	Residential	NCA01	22	31	42	38	24	42	26	28	14	35	28	35	19	-
R2253	Residential	NCA02	**44**	**64**	**74**	**72**	**55**	**72**	**51**	**52**	40	**55**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R2254	Residential	NCA02	38	**73**	**90**	**94**	**78**	**87**	**47**	**49**	35	**50**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2255	Residential	NCA02	37	**73**	**88**	**89**	**74**	**85**	**49**	**51**	34	**49**	**74**	**81**	34	PN, V, SN, RO, RP, DR
R2256	Residential	NCA02	**50**	**64**	**73**	**70**	**56**	**72**	**63**	**65**	**54**	**61**	**63**	**71**	**47**	PN, V, SN, RO, RP, DR
R2257	Residential	NCA01	27	38	**46**	42	28	**46**	32	35	19	39	35	42	24	-
R2258	Residential	NCA02	42	**68**	**77**	**74**	**58**	**77**	**49**	**51**	39	**54**	**67**	**74**	39	PN, V, SN, RO, RP, DR
R2259	Residential	NCA04	**46**	**45**	42	39	25	42	35	37	27	**47**	41	**49**	**43**	PN
R2260	Residential	NCA01	26	34	42	38	24	42	31	33	17	36	31	38	23	-
R2261	Residential	NCA02	43	**65**	**74**	**70**	**54**	**73**	**59**	**61**	**49**	**55**	**63**	**70**	40	PN, V, SN, RO, RP, DR
R2262	Residential	NCA02	38	**73**	**90**	**93**	**77**	**87**	**47**	**49**	35	**49**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2263	Industrial	NCA04	44	54	49	47	31	49	44	46	33	61	51	58	41	-
R2264	Residential	NCA02	**45**	**69**	**78**	**75**	**62**	**78**	**52**	**54**	42	**58**	**68**	**75**	42	PN, V, SN, RO, RP, DR
R2265	Residential	NCA01	27	42	**48**	**44**	30	**48**	33	35	23	39	38	**45**	24	PN
R2266	Residential	NCA01	25	36	**44**	41	26	**44**	31	33	18	37	35	41	22	-
R2267	Residential	NCA02	**44**	**67**	**74**	**71**	**57**	**75**	**52**	**54**	**44**	**56**	**67**	**74**	41	PN, V, SN, RO, RP, DR
R2268	Residential	NCA04	**46**	**49**	**45**	41	27	**44**	38	40	29	**50**	**47**	**53**	**43**	PN
R2269	Active recreation	NCA01	28	46	50	49	34	52	34	36	21	41	44	51	25	-
R2270	Commercial	NCA01	31	49	53	49	34	53	36	39	25	42	43	50	28	-
R2271	Residential	NCA02	35	**73**	**89**	**90**	**75**	**86**	43	**45**	34	**47**	**75**	**82**	32	PN, V, SN, RO, RP, DR
R2272	Residential	NCA02	**44**	**63**	**72**	**68**	**52**	**72**	**60**	**62**	**47**	**57**	**62**	**69**	41	PN, V, SN, RO, RP, DR
R2273	Residential	NCA01	25	36	**45**	41	27	**45**	31	33	18	37	36	42	22	-
R2274	Residential	NCA02	43	**64**	**72**	**69**	**53**	**72**	**58**	**60**	**48**	**55**	**63**	**70**	40	PN, V, SN, RO, RP, DR
R2276	Residential	NCA01	24	32	38	35	22	38	28	30	14	35	28	36	21	-
R2277	Residential	NCA02	38	**74**	**89**	**91**	**75**	**86**	**47**	**49**	37	**50**	**76**	**83**	35	PN, V, SN, RO, RP, DR
R2278	Residential	NCA01	26	35	**45**	41	26	**45**	31	33	18	36	35	42	23	-
R2279	Residential	NCA02	**44**	**65**	**74**	**70**	**57**	**73**	**55**	**57**	**45**	**55**	**63**	**70**	41	PN, V, SN, RO, RP, DR
R2280	Residential	NCA02	**44**	**63**	**71**	**68**	**55**	**70**	**56**	**58**	**45**	**56**	**61**	**68**	41	PN, V, SN, RO, RP, DR
R2281	Residential	NCA02	39	**66**	**77**	**76**	**61**	**76**	40	43	31	**50**	**66**	**73**	36	PN, V, SN, RO, RP, DR
R2282	Residential	NCA01	23	32	39	35	22	39	28	30	16	35	29	36	20	-
R2283	Residential	NCA02	**45**	**65**	**73**	**70**	**56**	**73**	**57**	**59**	**47**	**57**	**64**	**69**	42	PN, V, SN, RO, RP, DR
R2284	Residential	NCA02	36	**69**	**81**	**79**	**66**	**79**	41	43	31	**46**	**69**	**76**	33	PN, V, SN, RO, RP, DR
R2285	Residential	NCA02	**45**	**66**	**74**	**71**	**55**	**74**	**55**	**56**	**46**	**57**	**64**	**70**	42	PN, V, SN, RO, RP, DR
R2286	Industrial	NCA04	50	55	50	47	32	50	45	47	35	62	53	59	47	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2287	Residential	NCA04	43	48	44	41	26	43	37	39	28	49	46	50	40	PN
R2288	Residential	NCA02	36	70	82	81	65	80	44	46	35	47	70	77	33	PN, V, SN, RO, RP, DR
R2289	Residential	NCA02	40	73	88	90	74	86	48	50	38	52	75	82	37	PN, V, SN, RO, RP, DR
R2290	Industrial	NCA04	44	51	48	45	31	48	42	44	33	54	49	55	41	-
R2291	Residential	NCA02	45	65	74	70	55	74	55	57	46	58	65	72	42	PN, V, SN, RO, RP, DR
R2292	Residential	NCA01	27	41	46	43	29	46	33	35	23	39	38	44	24	-
R2293	Commercial	NCA04	40	49	44	41	27	44	38	40	28	52	47	54	37	-
R2294	Residential	NCA02	36	74	88	91	74	86	46	48	34	48	75	82	33	PN, V, SN, RO, RP, DR
R2295	Residential	NCA02	37	68	79	77	60	78	44	46	36	48	68	75	34	PN, V, SN, RO, RP, DR
R2296	Residential	NCA02	40	63	71	68	53	71	49	51	38	52	63	70	37	PN, V, SN, RO, RP, DR
R2297	Residential	NCA02	41	67	76	73	60	75	50	52	41	53	65	72	38	PN, V, SN, RO, RP, DR
R2298	Residential	NCA01	27	42	47	43	30	48	33	35	23	40	38	45	24	PN
R2299	Residential	NCA02	53	60	69	66	52	69	62	64	53	65	60	67	50	PN, V, SN, RO, RP, DR
R2300	Residential	NCA02	41	65	75	73	59	74	50	52	39	53	64	71	38	PN, V, SN, RO, RP, DR
R2301	Industrial	NCA04	48	51	48	46	31	48	42	44	33	59	50	57	45	-
R2302	Residential	NCA04	40	48	44	40	26	43	36	38	28	50	45	50	37	PN
R2303	Residential	NCA01	25	39	45	41	27	45	30	32	20	36	36	43	22	-
R2304	Residential	NCA02	37	68	77	74	59	77	48	50	33	49	67	74	34	PN, V, SN, RO, RP, DR
R2305	Residential	NCA02	37	68	79	77	63	78	44	46	36	48	68	75	34	PN, V, SN, RO, RP, DR
R2306	Residential	NCA02	37	68	78	76	62	77	45	47	36	49	68	75	34	PN, V, SN, RO, RP, DR
R2307	Residential	NCA02	38	70	80	78	65	79	47	49	37	50	70	77	35	PN, V, SN, RO, RP, DR
R2308	Residential	NCA02	52	60	70	67	54	71	63	65	55	62	62	69	49	PN, V, SN, RO, RP, DR
R2309	Commercial	NCA01	33	50	56	52	38	57	39	42	29	45	47	53	30	-
R2310	Residential	NCA01	25	39	46	42	29	47	31	33	21	37	37	44	22	-
R2311	Residential	NCA02	33	72	85	85	70	83	38	40	29	43	73	80	30	PN, V, SN, RO, RP, DR
R2312	Residential	NCA02	53	59	64	64	47	63	60	61	49	64	58	65	50	PN, V, SN, RO
R2313	Residential	NCA02	36	65	76	73	60	75	42	44	32	47	65	72	33	PN, V, SN, RO, RP, DR
R2315	Active recreation	NCA01	29	43	46	44	29	46	34	36	20	40	38	45	26	-
R2316	Residential	NCA02	52	61	70	67	54	70	61	64	54	61	60	67	49	PN, V, SN, RO, RP, DR
R2317	Residential	NCA02	53	62	70	68	53	70	61	64	53	61	60	67	50	PN, V, SN, RO, RP, DR
R2318	Commercial	NCA02	33	71	69	67	51	84	41	43	30	46	61	68	30	-
R2319	Residential	NCA02	35	72	82	79	65	85	44	46	33	48	70	77	32	PN, V, SN, RO, RP, DR
R2320	Residential	NCA01	25	39	46	42	28	46	30	32	21	37	35	42	22	-
R2321	Residential	NCA02	50	59	66	63	49	67	59	61	51	57	59	65	47	PN, V, SN, RO
R2322	Residential	NCA02	48	61	68	65	49	68	57	59	49	54	60	67	45	PN, V, SN, RO
R2323	Residential	NCA01	26	40	46	42	28	46	30	32	16	36	37	43	23	-
R2324	Active recreation	NCA04	40	54	46	44	29	46	40	42	31	56	54	61	37	-
R2325	Residential	NCA02	34	65	74	71	57	73	43	45	31	46	63	71	31	PN, V, SN, RO, RP, DR
R2326	Industrial	NCA04	45	53	50	47	32	49	43	45	34	58	51	57	42	-
R2327	Residential	NCA02	38	66	75	72	59	75	47	49	36	50	65	72	35	PN, V, SN, RO, RP, DR
R2328	Residential	NCA02	48	62	70	66	51	69	60	61	50	58	60	67	45	PN, V, SN, RO, RP, DR
R2329	Commercial	NCA02	36	68	70	66	50	77	43	45	33	48	60	67	33	-
R2330	Residential	NCA02	36	66	75	72	58	74	45	47	33	48	65	72	33	PN, V, SN, RO, RP, DR
R2331	Residential	NCA02	48	62	70	66	50	69	58	60	49	60	60	66	45	PN, V, SN, RO, RP, DR
R2332	Residential	NCA02	38	67	76	72	60	75	46	48	37	49	66	73	35	PN, V, SN, RO, RP, DR
R2333	Residential	NCA02	36	65	73	70	56	72	42	44	30	47	63	70	33	PN, V, SN, RO, RP, DR
R2334	Commercial	NCA04	40	49	44	41	27	44	37	39	29	52	46	53	37	-
R2335	Residential	NCA02	48	62	70	66	49	69	57	59	47	59	60	66	45	PN, V, SN, RO, RP, DR
R2336	Residential	NCA02	48	60	68	64	50	68	60	62	51	58	59	66	45	PN, V, SN, RO
R2337	Residential	NCA02	39	69	78	76	61	77	45	47	36	49	68	75	36	PN, V, SN, RO, RP, DR
R2338	Residential	NCA02	37	66	75	73	57	75	44	46	36	48	65	72	34	PN, V, SN, RO, RP, DR
R2339	Residential	NCA02	39	66	76	72	59	75	48	50	38	51	66	73	36	PN, V, SN, RO, RP, DR
R2340	Commercial	NCA02	33	60	60	59	43	69	39	40	29	43	51	58	30	-
R2341	Residential	NCA02	45	61	66	63	50	66	55	57	41	56	59	65	42	PN, V, SN, RO
R2342	Residential	NCA02	33	66	77	75	60	76	37	40	27	38	65	72	30	PN, V, SN, RO, RP, DR
R2343	Residential	NCA02	46	59	67	64	50	67	56	58	44	57	58	64	43	PN, V, SN, RO
R2344	Active recreation	NCA01	30	46	52	49	35	54	37	39	28	42	43	50	27	-
R2345	Residential	NCA01	25	38	43	38	25	43	30	32	17	36	33	40	22	-
R2346	Residential	NCA01	26	36	41	37	24	41	31	33	18	38	33	40	23	-
R2347	Commercial	NCA02	34	67	67	64	50	75	41	43	32	47	58	65	31	-
R2348	Residential	NCA02	37	66	75	71	59	74	46	48	36	49	64	71	34	PN, V, SN, RO, RP, DR
R2349	Residential	NCA02	44	60	67	63	50	67	52	54	40	55	58	64	41	PN, V, SN, RO
R2350	Residential	NCA02	39	66	75	72	58	74	47	49	38	51	65	72	36	PN, V, SN, RO, RP, DR
R2351	Residential	NCA04	46	47	43	40	26	43	36	38	28	49	44	48	43	PN
R2352	Commercial	NCA02	32	57	62	58	41	65	39	41	29	44	49	56	29	-
R2353	Residential	NCA02	38	66	74	71	58	73	45	47	36	50	64	71	35	PN, V, SN, RO, RP, DR
R2354	Residential	NCA02	42	62	69	65	49	69	51	53	39	52	60	67	39	PN, V, SN, RO, RP, DR
R2355	Residential	NCA01	25	39	43	39	25	43	31	33	18	37	33	41	22	-
R2356	Residential	NCA02	44	60	67	63	49	67	53	55	42	55	58	65	41	PN, V, SN, RO
R2357	Residential	NCA01	24	38	41	38	24	42	30	32	16	36	32	39	21	-
R2358	Residential	NCA02	44	59	65	62	47	65	56	59	47	56	58	65	41	PN, V, SN, RO
R2359	Residential	NCA02	47	56	62	58	44	62	55	57	45	57	54	61	44	PN, V, SN, RO
R2360	Residential	NCA02	48	57	64	61	47	64	57	59	47	58	56	62	45	PN, V, SN, RO
R2361	Residential	NCA02	42	61	69	66	53	69	50	53	39	53	60	67	39	PN, V, SN, RO, RP, DR
R2362	Residential	NCA02	42	59	65	62	46	65	51	53	39	54	57	64	39	PN, V, SN, RO
R2363	Residential	NCA02	30	65	73	70	56	73	39	41	28	42	64	71	27	PN, V, SN, RO, RP, DR
R2364	Residential	NCA02	39	60	66	62	49	66	49	52	39	49	56	61	36	PN, V, SN, RO
R2365	Residential	NCA01	24	39	45	41	28	46	30	32	21	36	35	42	21	-
R2366	Industrial	NCA04	48	54	49	46	32	49	43	45	33	59	52	59	45	-
R2367	Commercial	NCA02	34	60	60	57	42	69	40	42	31	46	51	58	31	-
R2368	Place of worship	NCA02	32	55	55	54	35	62	38	40	29	44	46	53	29	-
R2369	Residential	NCA01	24	38	43	40	26	43	30	32	19	36	35	41	21	-
R2370	Commercial	NCA02	29	52	49	47	31	53	35	37	24	41	40	47	26	-
R2371	Residential	NCA02	46	60	66	62	47	66	54	56	45	57	58	65	43	PN, V, SN, RO
R2372	Residential	NCA02	35	62	68	65	49	69	42	44	33	45	59	66	32	PN, V, SN, RO, RP, DR
R2373	Residential	NCA01	25	38	44	41	27	44	30	32	20	36	35	43	22	-
R2374	Residential	NCA04	41	37	41	38	25	41	34	36	26	42	35	40	38	-
R2375	Residential	NCA02	36	62	70	68	52	70	44	46	35	48	60	67	33	PN, V, SN, RO, RP, DR
R2376	Commercial	NCA04	37	49	44	41	27	44	37	39	29	52	45	49	34	-
R2377	Residential	NCA01	26	39	46	41	27	46	31	33	20	37	36	43	23	-
R2378	Residential	NCA02	37	67	77	74	60	76	43	46	34	48	66	73	34	PN, V, SN, RO, RP, DR
R2379	Residential	NCA01	26	38	42	39	25	43	32	34	19	39	34	40	23	-
R2380	Residential	NCA02	44	59	64	61	46	64	54	56	44	55	57	64	41	PN, V, SN, RO
R2381	Residential	NCA02	43	60	67	65	50	67	51	54	42	54	58	65	40	PN, V, SN, RO
R2382	Residential	NCA02	38	67	75	72	57	74	45	47	36	50	65	72	35	PN, V, SN, RO, RP, DR

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2383	Residential	NCA02	41	**61**	**70**	**65**	**53**	**70**	**49**	**51**	38	**53**	**60**	**66**	38	PN, V, SN, RO, RP, DR
R2384	Residential	NCA02	39	**59**	**65**	**62**	**48**	**65**	**48**	**50**	40	**50**	**56**	**64**	36	PN, V, SN, RO
R2385	Residential	NCA02	40	**61**	**69**	**65**	**52**	**69**	**47**	**49**	37	**52**	**60**	**67**	37	PN, V, SN, RO, RP, DR
R2386	Residential	NCA02	28	**47**	**46**	42	29	**51**	31	33	22	37	37	**44**	25	PN
R2387	Residential	NCA02	40	**60**	**67**	**65**	**49**	**67**	**48**	**49**	37	**52**	**59**	**66**	37	PN, V, SN, RO
R2388	Residential	NCA02	30	**50**	**49**	**45**	32	**56**	32	34	24	40	37	**44**	27	PN
R2389	Residential	NCA02	**51**	**57**	**63**	**60**	**46**	**63**	**56**	**58**	**47**	**62**	**55**	**61**	**48**	PN, V, SN, RO
R2390	Residential	NCA02	38	**57**	**64**	**59**	**45**	**63**	**45**	**47**	34	**50**	**55**	**61**	35	PN, V, SN, RO
R2391	Residential	NCA02	32	**51**	**53**	**51**	35	**55**	38	40	28	43	**44**	**51**	29	PN
R2392	Residential	NCA02	**49**	**58**	**65**	**61**	**47**	**65**	**57**	**59**	**47**	**60**	**56**	**63**	**46**	PN, V, SN, RO
R2393	Residential	NCA02	**44**	**60**	**68**	**64**	**48**	**68**	**53**	**55**	42	**56**	**58**	**65**	41	PN, V, SN, RO
R2394	Residential	NCA02	36	**65**	**75**	**72**	**58**	**73**	**44**	**46**	34	**48**	**64**	**71**	33	PN, V, SN, RO, RP, DR
R2395	Residential	NCA02	37	**62**	**69**	**65**	**50**	**69**	**45**	**46**	33	**48**	**60**	**67**	34	PN, V, SN, RO, RP, DR
R2396	Active recreation	NCA04	40	49	45	43	28	45	39	41	30	52	47	52	37	-
R2397	Commercial	NCA02	28	42	46	43	29	49	35	37	24	40	37	44	25	-
R2398	Residential	NCA02	**50**	**57**	**64**	**60**	**45**	**63**	**55**	**57**	**46**	**61**	**55**	**61**	**47**	PN, V, SN, RO
R2399	Residential	NCA02	41	**57**	**63**	**59**	**44**	**63**	**48**	**51**	37	**53**	**54**	**59**	38	PN, V, SN, RO
R2400	Industrial	NCA04	47	51	49	46	32	49	43	45	34	58	49	56	44	-
R2401	Residential	NCA02	31	**50**	**49**	**48**	31	**52**	36	38	27	42	40	**47**	28	PN
R2402	Residential	NCA02	37	**64**	**71**	**69**	**54**	**72**	**44**	**46**	35	**49**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2403	Residential	NCA01	27	41	**47**	**43**	29	**48**	33	35	23	39	37	**44**	24	PN
R2404	Residential	NCA02	39	**62**	**70**	**66**	**49**	**69**	**46**	**48**	36	**51**	**60**	**66**	36	PN, V, SN, RO, RP, DR
R2405	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	**47**	**48**	36	**51**	**58**	**65**	36	PN, V, SN, RO
R2406	Residential	NCA02	43	**57**	**64**	**61**	**47**	**64**	**48**	**50**	39	**55**	**55**	**62**	40	PN, V, SN, RO
R2407	Residential	NCA02	**46**	**57**	**63**	**60**	**46**	**63**	**54**	**56**	**44**	**56**	**55**	**62**	43	PN, V, SN, RO
R2408	Residential	NCA02	31	**51**	**55**	**51**	37	**56**	37	40	28	43	**46**	**53**	28	PN
R2409	Residential	NCA02	38	**61**	**67**	**64**	**49**	**67**	**44**	**46**	34	**49**	**59**	**66**	35	PN, V, SN, RO
R2410	Residential	NCA01	26	40	**44**	41	27	**44**	32	34	22	38	35	42	23	-
R2411	Residential	NCA02	40	**63**	**70**	**67**	**52**	**70**	**46**	**48**	37	**51**	**61**	**68**	37	PN, V, SN, RO, RP, DR
R2412	Residential	NCA02	42	**58**	**66**	**61**	**46**	**66**	**51**	**52**	38	**53**	**56**	**62**	39	PN, V, SN, RO
R2413	Residential	NCA02	41	**57**	**63**	**59**	**45**	**63**	**49**	**51**	38	**51**	**54**	**61**	38	PN, V, SN, RO
R2414	Residential	NCA02	36	**62**	**69**	**67**	**52**	**69**	**44**	**46**	33	**48**	**59**	**66**	33	PN, V, SN, RO, RP, DR
R2415	Industrial	NCA04	49	53	49	47	32	49	44	46	35	59	49	57	46	-
R2416	Residential	NCA02	39	**63**	**70**	**67**	**52**	**69**	**46**	**48**	36	**50**	**60**	**67**	36	PN, V, SN, RO, RP, DR
R2417	Residential	NCA02	37	**64**	**72**	**69**	**54**	**71**	43	**45**	33	**48**	**62**	**69**	34	PN, V, SN, RO, RP, DR
R2418	Residential	NCA02	42	**59**	**66**	**63**	**50**	**66**	**51**	**53**	41	**54**	**57**	**64**	39	PN, V, SN, RO
R2419	Residential	NCA02	27	**44**	**44**	41	26	**45**	30	32	21	38	35	42	24	-
R2420	Residential	NCA01	27	38	**44**	42	26	**45**	33	35	21	39	35	42	24	-
R2421	Residential	NCA02	37	**62**	**68**	**64**	**50**	**69**	**44**	**47**	34	**48**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2422	Residential	NCA02	34	**63**	**70**	**66**	**50**	**71**	40	42	29	**45**	**58**	**65**	31	PN, V, SN, RO, RP, DR
R2423	Active recreation	NCA04	54	55	54	54	37	54	51	54	42	62	53	60	51	-
R2424	Residential	NCA01	28	41	**46**	**44**	30	**48**	34	36	23	40	38	**45**	25	PN
R2425	Residential	NCA02	39	**61**	**68**	**64**	**50**	**68**	**47**	**49**	37	**50**	**59**	**65**	36	PN, V, SN, RO
R2426	Residential	NCA02	41	**55**	**61**	**57**	**44**	**61**	**47**	**48**	35	**51**	**52**	**59**	38	PN, V, SN, RO
R2427	Residential	NCA02	38	**56**	**61**	**58**	**44**	**61**	**46**	**48**	37	**48**	**53**	**60**	35	PN, V, SN, RO
R2428	Residential	NCA02	41	**59**	**67**	**63**	**49**	**66**	**46**	**48**	36	**53**	**58**	**65**	38	PN, V, SN, RO
R2429	Residential	NCA02	**45**	**56**	**62**	**59**	**44**	**64**	**54**	**56**	**44**	**57**	**54**	**60**	42	PN, V, SN, RO
R2430	Residential	NCA02	37	**61**	**69**	**66**	**50**	**69**	**45**	**47**	35	**49**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2431	Commercial	NCA02	33	54	53	52	35	60	40	42	31	45	45	52	30	-
R2432	Residential	NCA02	36	**61**	**68**	**65**	**52**	**68**	**44**	**46**	33	**48**	**59**	**66**	33	PN, V, SN, RO
R2433	Residential	NCA04	42	41	42	39	25	42	35	37	26	**45**	38	**43**	39	-
R2434	Residential	NCA04	38	**45**	**43**	40	25	42	36	38	27	**51**	**43**	**48**	35	PN
R2435	Residential	NCA04	42	**45**	**43**	40	26	**43**	36	38	28	**49**	**43**	**47**	39	PN
R2436	Residential	NCA02	33	**49**	**55**	**51**	38	**61**	39	41	28	**44**	**46**	**53**	30	PN, V, SN, RO
R2437	Residential	NCA02	36	**63**	**71**	**68**	**53**	**70**	43	**45**	32	**47**	**61**	**68**	33	PN, V, SN, RO, RP, DR
R2438	Residential	NCA02	27	43	**47**	**45**	28	**49**	31	32	22	38	40	**47**	24	PN
R2439	Residential	NCA02	30	**44**	**47**	**44**	30	**49**	34	36	24	39	39	**46**	27	PN
R2440	Residential	NCA02	37	**62**	**67**	**66**	**52**	**71**	**44**	**46**	34	**48**	**57**	**64**	34	PN, V, SN, RO, RP, DR
R2441	Residential	NCA01	24	32	38	37	21	39	29	31	16	36	30	37	21	-
R2442	Residential	NCA02	36	**57**	**63**	**59**	**45**	**63**	41	43	31	**48**	**54**	**61**	33	PN, V, SN, RO
R2443	Residential	NCA02	37	**56**	**63**	**59**	**45**	**62**	**44**	**46**	32	**49**	**53**	**60**	34	PN, V, SN, RO
R2444	Residential	NCA02	42	**59**	**66**	**62**	**49**	**66**	**51**	**53**	40	**53**	**57**	**64**	39	PN, V, SN, RO
R2445	Residential	NCA01	28	42	**49**	**45**	31	**49**	34	36	25	40	39	**46**	25	PN
R2446	Residential	NCA01	28	41	**46**	**44**	30	**46**	34	36	20	40	38	**45**	25	-
R2447	Residential	NCA02	38	**56**	**63**	**59**	**46**	**63**	**49**	**51**	37	**47**	**53**	**60**	35	PN, V, SN, RO
R2448	Residential	NCA02	40	**57**	**65**	**61**	**48**	**64**	**49**	**51**	38	**52**	**55**	**62**	37	PN, V, SN, RO
R2449	Residential	NCA02	40	**55**	**61**	**57**	43	**61**	**50**	**52**	39	**50**	**52**	**59**	37	PN, V, SN, RO
R2450	Residential	NCA02	39	**57**	**62**	**59**	43	**62**	**48**	**50**	35	**50**	**55**	**61**	36	PN, V, SN, RO
R2451	Residential	NCA02	35	**62**	**60**	**57**	42	**70**	42	**44**	33	**46**	**51**	**58**	32	PN, V, SN, RO, RP, DR
R2452	Residential	NCA02	41	**54**	**61**	**57**	41	**61**	**48**	**50**	38	**53**	**52**	**59**	38	PN, V, SN, RO
R2453	Residential	NCA02	38	**57**	**63**	**60**	**45**	**63**	**44**	**46**	34	**49**	**55**	**62**	35	PN, V, SN, RO
R2454	Residential	NCA02	**49**	**55**	**61**	**58**	42	**61**	**50**	**53**	41	**58**	**52**	**60**	**46**	PN, V, SN, RO
R2455	Residential	NCA02	31	**59**	**66**	**62**	**45**	**66**	37	38	27	42	**56**	**63**	28	PN, V, SN, RO
R2456	Residential	NCA04	37	37	40	38	23	40	34	35	24	41	34	40	34	-
R2457	Residential	NCA02	**44**	**58**	**63**	**61**	**45**	**64**	**53**	**54**	43	**54**	**55**	**62**	41	PN, V, SN, RO
R2458	Residential	NCA02	32	**57**	**64**	**61**	**44**	**63**	35	37	25	43	**54**	**61**	29	PN, V, SN, RO
R2459	Active recreation	NCA04	40	49	45	42	28	45	39	41	30	54	46	51	37	-
R2460	Residential	NCA02	36	**58**	**64**	**60**	**47**	**64**	41	43	31	**48**	**55**	**63**	33	PN, V, SN, RO
R2461	Residential	NCA02	37	**63**	**71**	**68**	**54**	**71**	**44**	**46**	34	**49**	**61**	**68**	34	PN, V, SN, RO, RP, DR
R2462	Residential	NCA01	27	41	**47**	**43**	29	**49**	33	35	24	39	38	**45**	24	PN
R2463	Residential	NCA02	37	**61**	**70**	**66**	**50**	**69**	**46**	**48**	35	**49**	**59**	**66**	34	PN, V, SN, RO, RP, DR
R2464	Residential	NCA02	41	**56**	**65**	**61**	**48**	**63**	**51**	**53**	40	**53**	**54**	**61**	38	PN, V, SN, RO
R2465	Residential	NCA02	**44**	**58**	**65**	**62**	**48**	**65**	**52**	**55**	43	**55**	**56**	**61**	41	PN, V, SN, RO
R2466	Commercial	NCA02	34	57	54	56	37	65	40	42	29	46	51	58	31	-
R2467	Residential	NCA04	40	41	42	39	25	42	35	37	26	**46**	38	**44**	37	-
R2468	Residential	NCA02	**44**	**55**	**60**	**58**	41	**60**	**52**	**54**	42	**54**	**53**	**58**	41	PN, V, SN, RO
R2469	Residential	NCA01	28	40	**47**	**44**	29	**46**	33	35	22	39	36	**43**	25	-
R2470	Residential	NCA02	**44**	**56**	**62**	**58**	**45**	**62**	**49**	**51**	38	**55**	**53**	**60**	41	PN, V, SN, RO
R2471	Residential	NCA02	36	**62**	**68**	**65**	**50**	**70**	**44**	**47**	34	**48**	**56**	**63**	33	PN, V, SN, RO, RP, DR
R2472	Residential	NCA02	30	**46**	**50**	**46**	31	**53**	36	38	25	41	41	**48**	27	PN
R2473	Residential	NCA02	**49**	**55**	**55**	**55**	38	**56**	**53**	**55**	**45**	**60**	**52**	**59**	**46**	PN, V, SN, RO
R2474	Residential	NCA01	28	42	**49**	**45**	30	**47**	34	36	24	40	37	**44**	25	PN
R2475	Residential	NCA02	36	**58**	**64**	**61**	**45**	**64**	38	39	28	**46**	**55**	**62**	33	PN, V, SN, RO
R2476	Residential	NCA02	41	**56**	**64**	**61**	**47**	**63**	**49**	**51**	37	**52**	**54**	**61**	38	PN, V, SN, RO
R2477	Residential	NCA02	37	**60**	**66**	**62**	**48**	**65**	**44**	**46**	34	**49**	**57**	**64**	34	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2478	Residential	NCA02	35	59	54	53	37	63	41	43	31	46	48	55	32	PN, V, SN, RO
R2479	Residential	NCA02	38	55	62	58	43	60	48	50	34	48	53	59	35	PN, V, SN, RO
R2480	Residential	NCA02	27	37	41	38	24	43	27	29	19	34	32	39	24	-
R2481	Residential	NCA01	27	41	46	43	28	46	33	35	22	39	36	43	24	-
R2482	Residential	NCA02	36	61	69	66	50	69	44	46	34	48	59	66	33	PN, V, SN, RO, RP, DR
R2483	Residential	NCA01	26	40	47	43	28	46	32	34	22	38	35	43	23	-
R2484	Residential	NCA02	38	59	66	63	47	66	45	46	34	50	57	63	35	PN, V, SN, RO
R2485	Residential	NCA02	37	61	69	66	51	68	44	46	34	48	59	66	34	PN, V, SN, RO, RP, DR
R2486	Residential	NCA02	49	54	59	56	40	59	49	53	43	61	52	59	46	PN, V, SN, RO
R2487	Residential	NCA01	28	44	48	46	31	50	34	36	26	40	40	47	25	PN
R2488	Residential	NCA02	36	57	57	53	38	62	42	43	33	47	48	55	33	PN, V, SN, RO
R2489	Residential	NCA02	27	38	40	37	23	44	25	27	18	33	31	38	24	-
R2490	Residential	NCA02	37	56	63	59	45	63	46	48	34	49	54	61	34	PN, V, SN, RO
R2491	Residential	NCA02	36	60	68	64	49	67	44	46	35	48	58	63	33	PN, V, SN, RO
R2492	Residential	NCA02	34	59	53	49	35	66	41	43	31	46	44	51	31	PN, V, SN, RO
R2493	Residential	NCA01	19	28	33	32	17	34	22	24	12	30	24	31	16	-
R2494	Residential	NCA02	41	56	62	58	42	62	50	52	41	53	53	60	38	PN, V, SN, RO
R2495	Residential	NCA02	42	56	63	60	46	63	50	52	39	54	54	61	39	PN, V, SN, RO
R2496	Residential	NCA02	37	55	62	58	41	62	50	51	39	48	53	60	34	PN, V, SN, RO
R2497	Residential	NCA02	31	46	50	47	32	51	37	40	28	43	41	48	28	PN
R2498	Residential	NCA02	30	43	46	43	28	48	35	37	26	42	37	45	27	-
R2499	Residential	NCA02	32	49	51	50	33	55	39	41	29	44	43	50	29	PN
R2500	Residential	NCA02	40	56	63	60	46	63	49	50	37	52	54	61	37	PN, V, SN, RO
R2501	Residential	NCA02	29	38	43	40	26	45	35	37	26	41	35	41	26	-
R2502	Residential	NCA01	24	37	42	39	23	44	28	31	18	35	33	39	21	-
R2503	Residential	NCA02	33	54	57	53	39	60	40	42	29	45	48	55	30	PN, V, SN, RO
R2504	Residential	NCA04	35	41	42	39	25	42	35	37	27	47	38	44	32	-
R2505	Residential	NCA02	40	54	59	56	40	59	49	51	37	50	51	57	37	PN, V, SN, RO
R2506	Residential	NCA02	37	59	66	63	48	66	45	47	35	47	56	63	34	PN, V, SN, RO
R2507	Residential	NCA02	36	59	66	63	46	66	42	44	32	48	57	64	33	PN, V, SN, RO
R2508	Residential	NCA02	41	56	63	59	46	63	50	51	39	52	53	60	38	PN, V, SN, RO
R2509	Residential	NCA02	46	53	59	56	39	59	50	52	41	58	50	56	43	PN, V, SN, RO
R2510	Active recreation	NCA04	38	47	43	41	26	43	37	39	28	52	45	50	35	-
R2511	Residential	NCA02	28	46	49	46	32	51	35	38	27	41	41	48	25	PN
R2512	Residential	NCA02	49	54	58	55	39	58	52	55	44	60	52	59	46	PN, V, SN, RO
R2513	Residential	NCA02	36	60	67	63	48	67	42	45	32	48	56	63	33	PN, V, SN, RO
R2514	Residential	NCA02	32	52	56	52	37	57	38	41	29	44	47	54	29	PN
R2515	Residential	NCA02	27	37	42	39	25	43	32	34	24	39	34	41	24	-
R2516	Residential	NCA02	36	55	62	58	45	61	43	45	33	48	52	59	33	PN, V, SN, RO
R2517	Residential	NCA01	27	40	44	43	27	48	33	35	25	39	36	42	24	PN
R2518	Residential	NCA01	24	36	41	39	23	44	28	30	19	34	32	39	21	-
R2519	Residential	NCA02	39	57	64	61	47	64	44	46	32	51	55	61	36	PN, V, SN, RO
R2520	Residential	NCA02	27	34	41	37	23	40	32	34	24	39	32	39	24	-
R2521	Residential	NCA02	33	56	62	59	42	62	39	41	29	45	53	61	30	PN, V, SN, RO
R2522	Residential	NCA02	37	60	66	63	47	66	44	46	34	47	57	64	34	PN, V, SN, RO
R2523	Residential	NCA02	38	55	61	58	44	61	45	48	34	50	52	59	35	PN, V, SN, RO
R2524	Residential	NCA02	38	56	62	59	44	62	45	47	34	50	53	60	35	PN, V, SN, RO
R2525	Residential	NCA02	35	52	57	52	37	56	42	44	31	46	47	54	32	PN
R2526	Residential	NCA02	44	53	60	56	40	60	51	53	42	55	51	57	41	PN, V, SN, RO
R2527	Residential	NCA01	27	41	47	43	29	47	33	35	25	39	38	45	24	-
R2528	Residential	NCA02	43	52	59	53	40	59	50	52	39	54	49	56	40	PN
R2529	Residential	NCA02	40	58	63	59	45	63	48	50	38	52	55	61	37	PN, V, SN, RO
R2530	Residential	NCA02	36	56	61	57	42	61	44	46	34	48	52	59	33	PN, V, SN, RO
R2531	Residential	NCA02	31	49	54	51	37	55	37	39	28	42	46	53	28	PN
R2532	Residential	NCA02	28	39	44	41	26	44	32	34	23	39	36	43	25	-
R2533	Residential	NCA02	44	52	55	51	37	55	47	49	38	54	49	53	41	PN
R2534	Residential	NCA02	32	52	51	49	32	57	37	39	27	44	42	50	29	PN
R2535	Residential	NCA02	38	58	63	61	44	64	45	48	36	50	56	63	35	PN, V, SN, RO
R2536	Residential	NCA02	45	54	61	57	43	61	51	53	42	55	51	58	42	PN, V, SN, RO
R2537	Residential	NCA02	33	54	57	54	37	61	39	41	30	45	49	55	30	PN, V, SN, RO
R2538	Residential	NCA02	38	58	65	61	45	65	43	45	34	49	56	61	35	PN, V, SN, RO
R2539	Residential	NCA01	26	38	40	41	24	46	31	33	22	38	32	39	23	-
R2540	Residential	NCA02	48	53	59	55	40	59	51	53	42	59	50	57	45	PN, V, SN, RO
R2541	Residential	NCA02	44	54	59	56	41	59	50	53	39	54	50	57	41	PN, V, SN, RO
R2542	Residential	NCA02	39	58	64	60	46	64	46	48	36	51	55	60	36	PN, V, SN, RO
R2543	Residential	NCA02	49	54	57	55	39	57	52	54	44	60	52	58	46	PN, V, SN, RO
R2544	Residential	NCA02	42	54	59	55	41	59	51	53	41	53	50	57	39	PN, V, SN, RO
R2545	Residential	NCA02	36	57	61	58	43	61	44	46	34	48	53	60	33	PN, V, SN, RO
R2546	Residential	NCA02	29	38	43	40	27	43	35	37	27	41	35	42	26	-
R2547	Active recreation	NCA01	29	43	49	45	31	51	35	37	27	41	39	46	26	-
R2548	Residential	NCA02	34	57	63	59	45	62	38	40	29	46	53	60	31	PN, V, SN, RO
R2549	Active recreation	NCA04	39	47	44	41	26	44	37	39	29	52	44	49	36	-
R2550	Residential	NCA02	37	56	61	57	43	60	45	47	35	49	53	60	34	PN, V, SN, RO
R2551	Residential	NCA02	34	49	48	48	31	55	39	42	30	46	42	49	31	PN
R2552	Residential	NCA02	36	56	62	58	44	61	43	45	33	48	52	59	33	PN, V, SN, RO
R2553	Residential	NCA02	41	53	59	56	40	60	46	48	35	52	51	58	38	PN, V, SN, RO
R2554	Residential	NCA02	29	40	43	40	26	45	33	35	23	40	34	41	26	-
R2555	Residential	NCA02	36	56	62	59	43	62	41	43	32	48	53	60	33	PN, V, SN, RO
R2556	Industrial	NCA04	46	50	53	51	34	53	47	49	38	57	48	55	43	-
R2557	Residential	NCA02	32	55	61	58	43	61	43	45	33	44	52	59	29	PN, V, SN, RO
R2558	Residential	NCA02	30	44	50	47	31	51	36	38	28	42	42	48	27	PN
R2559	Residential	NCA01	27	42	46	42	29	47	33	35	23	39	37	44	24	-
R2560	Residential	NCA02	32	51	51	48	31	57	38	40	28	44	42	49	29	PN
R2561	Residential	NCA02	35	54	61	55	42	60	43	45	32	47	50	56	32	PN, V, SN, RO
R2562	Residential	NCA02	44	52	58	55	38	58	50	52	40	55	49	56	41	PN
R2563	Residential	NCA02	47	53	58	54	40	58	51	53	41	58	49	56	44	PN
R2564	Residential	NCA02	40	53	59	55	41	59	47	49	36	52	50	57	37	PN, V, SN, RO
R2565	Residential	NCA02	39	53	57	55	41	59	47	49	35	50	50	56	36	PN
R2566	Residential	NCA02	36	54	60	57	43	60	42	44	33	48	51	58	33	PN, V, SN, RO
R2567	Residential	NCA02	33	46	51	47	34	51	38	40	27	44	42	49	30	PN
R2568	Residential	NCA02	39	54	61	57	43	60	45	47	35	50	51	58	36	PN, V, SN, RO
R2569	Residential	NCA02	33	52	49	48	30	57	40	42	29	45	41	48	30	PN
R2570	Residential	NCA02	34	44	49	45	30	49	39	41	29	46	41	48	31	PN
R2571	Residential	NCA02	38	56	62	59	44	62	44	46	35	50	53	60	35	PN, V, SN, RO
R2572	Residential	NCA02	36	57	64	61	44	64	44	46	35	48	54	61	33	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2573	Residential	NCA02	36	**50**	**55**	**52**	36	**55**	**45**	**47**	37	**47**	**47**	**53**	33	PN
R2574	Residential	NCA01	24	30	33	33	17	37	24	26	15	31	26	33	21	-
R2575	Residential	NCA02	38	**57**	**63**	**59**	**46**	**62**	**44**	**46**	35	**49**	**53**	**61**	35	PN, V, SN, RO
R2576	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	50	42	48	36	-
R2577	Residential	NCA02	27	38	**44**	40	26	**44**	31	33	20	39	35	42	24	-
R2578	Residential	NCA02	37	**57**	**64**	**60**	**45**	**65**	43	**46**	34	**49**	**53**	**60**	34	PN, V, SN, RO
R2579	Residential	NCA02	35	**50**	**52**	**50**	34	**53**	41	43	30	**47**	**46**	**52**	32	PN
R2580	Residential	NCA02	40	**56**	**62**	**59**	**45**	**62**	**45**	**47**	36	**51**	**53**	**60**	37	PN, V, SN, RO
R2581	Residential	NCA02	30	**50**	**46**	**48**	29	**56**	33	35	24	42	37	**44**	27	PN
R2582	Residential	NCA02	32	**49**	**47**	**45**	29	**54**	38	40	28	**44**	40	**46**	29	PN
R2583	Residential	NCA02	38	**53**	**59**	**56**	42	**59**	**46**	**47**	35	**49**	**51**	**57**	35	PN, V, SN, RO
R2584	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	51	43	50	36	-
R2585	Residential	NCA01	27	40	42	42	24	**45**	31	33	23	39	34	41	24	-
R2586	Residential	NCA02	**49**	**54**	**56**	**55**	37	**55**	**52**	**55**	**44**	**60**	**51**	**58**	**46**	PN, V, SN, RO
R2587	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	**47**	**48**	36	**53**	**48**	**55**	39	PN
R2588	Active recreation	NCA02	29	39	43	40	26	44	33	36	24	40	35	42	26	-
R2589	Residential	NCA02	43	**52**	**58**	**55**	38	**58**	**49**	**51**	39	**55**	**49**	**55**	40	PN
R2590	Residential	NCA02	26	**45**	**52**	**48**	33	**52**	30	32	22	38	43	**50**	23	PN
R2591	Residential	NCA01	27	42	**47**	**43**	28	**48**	32	35	24	39	38	**44**	24	PN
R2592	Residential	NCA02	39	**54**	**61**	**57**	43	**61**	**48**	**50**	38	**51**	**52**	**58**	36	PN, V, SN, RO
R2593	Residential	NCA02	28	41	42	40	25	**45**	33	35	22	37	35	42	25	-
R2594	Residential	NCA02	34	**48**	**52**	**49**	34	**53**	39	41	29	**45**	**45**	**52**	31	PN
R2595	Residential	NCA02	34	**56**	**62**	**59**	**44**	**62**	39	41	29	**46**	**53**	**60**	31	PN, V, SN, RO
R2596	Industrial	NCA04	39	43	42	39	25	42	35	37	27	48	40	44	36	-
R2597	Residential	NCA02	28	38	43	40	26	**44**	32	34	20	40	35	42	25	-
R2598	Residential	NCA02	27	40	43	41	25	**45**	32	34	21	39	35	42	24	-
R2599	Residential	NCA02	**46**	**51**	**55**	**52**	37	**55**	**50**	**52**	41	**57**	**49**	**56**	43	PN
R2600	Residential	NCA02	28	38	42	38	24	43	32	34	20	39	33	40	25	-
R2601	Residential	NCA02	32	**44**	**48**	**45**	30	**49**	39	40	27	**44**	40	**47**	29	-
R2602	Residential	NCA02	30	43	**47**	**44**	29	**48**	36	38	25	41	39	**46**	27	-
R2603	Residential	NCA02	40	**55**	**61**	**57**	41	**61**	**48**	**50**	39	**51**	**52**	**58**	37	PN, V, SN, RO
R2604	Residential	NCA02	30	**45**	**47**	**46**	30	**50**	35	37	25	42	40	**47**	27	PN
R2605	Industrial	NCA04	39	44	42	39	25	42	35	37	26	50	42	48	36	-
R2606	Residential	NCA02	30	43	**46**	43	28	**47**	34	36	23	42	37	**44**	27	-
R2607	Residential	NCA02	40	**56**	**61**	**57**	**44**	**60**	**48**	**50**	39	**52**	**52**	**59**	37	PN, V, SN, RO
R2608	Residential	NCA02	29	42	**46**	43	27	**46**	35	37	27	41	38	**44**	26	-
R2609	Residential	NCA02	40	**56**	**61**	**57**	43	**61**	**47**	**50**	38	**52**	**52**	**58**	37	PN, V, SN, RO
R2610	Residential	NCA01	27	40	**45**	42	28	**47**	32	34	24	39	37	**44**	24	-
R2611	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	**45**	**47**	34	**50**	**49**	**56**	35	PN
R2612	Residential	NCA02	30	**45**	**50**	**47**	31	**50**	35	37	25	42	39	**47**	27	PN
R2613	Residential	NCA02	32	**49**	**47**	**48**	29	**56**	39	41	28	43	38	**45**	29	PN
R2614	Residential	NCA02	42	**52**	**57**	**54**	37	**57**	**50**	**51**	40	**54**	**49**	**56**	39	PN
R2615	Residential	NCA02	39	**54**	**61**	**57**	**44**	**61**	**46**	**49**	37	**50**	**51**	**58**	36	PN, V, SN, RO
R2616	Residential	NCA02	23	**48**	**50**	**46**	33	**57**	29	31	19	35	40	**47**	20	PN
R2617	Residential	NCA02	30	39	**44**	40	26	**44**	35	37	23	42	35	42	27	-
R2618	Residential	NCA02	42	**52**	**57**	**54**	40	**57**	**48**	**49**	38	**55**	**49**	**56**	39	PN
R2619	Residential	NCA02	27	**53**	**49**	**46**	32	**57**	32	34	21	39	40	**47**	24	PN
R2620	Residential	NCA02	32	**53**	**53**	**50**	36	**59**	39	41	29	**44**	**44**	**51**	29	PN, V, SN, RO
R2621	Residential	NCA02	29	42	**44**	40	27	**46**	32	34	21	39	35	42	26	-
R2622	Residential	NCA02	37	**55**	**62**	**58**	**44**	**62**	**47**	**49**	35	**49**	**53**	**60**	34	PN, V, SN, RO
R2623	Industrial	NCA04	39	44	42	39	25	42	35	37	26	49	41	46	36	-
R2624	Residential	NCA02	38	**53**	**59**	**55**	41	**59**	**47**	**49**	36	**50**	**50**	**57**	35	PN, V, SN, RO
R2625	Residential	NCA02	**45**	**53**	**58**	**54**	40	**58**	**50**	**52**	41	**56**	**49**	**56**	42	PN
R2626	Residential	NCA02	27	37	36	32	19	38	24	26	14	34	27	34	24	-
R2627	Residential	NCA02	29	39	41	38	24	**44**	31	33	20	41	32	39	26	-
R2628	Residential	NCA02	40	**54**	**62**	**57**	43	**62**	**46**	**48**	36	**51**	**52**	**59**	37	PN, V, SN, RO
R2629	Residential	NCA02	39	**54**	**60**	**56**	42	**60**	**46**	**49**	36	**49**	**51**	**58**	36	PN, V, SN, RO
R2630	Residential	NCA02	27	38	42	39	25	**44**	31	33	20	38	34	41	24	-
R2631	Residential	NCA02	39	**54**	**60**	**57**	43	**60**	**45**	**47**	34	**50**	**51**	**59**	36	PN, V, SN, RO
R2632	Residential	NCA02	32	**48**	**47**	**47**	30	**55**	37	39	25	**44**	38	**45**	29	PN
R2633	Residential	NCA02	38	**52**	**58**	**55**	38	**58**	**45**	**46**	34	**49**	**50**	**57**	35	PN
R2634	Residential	NCA01	27	41	**46**	42	29	**46**	33	35	24	39	36	**43**	24	-
R2635	Residential	NCA02	39	**52**	**57**	**53**	38	**57**	**45**	**47**	34	**50**	**49**	**56**	36	PN
R2636	Residential	NCA02	28	38	43	40	26	**44**	32	34	21	40	34	41	25	-
R2637	Residential	NCA02	36	**52**	**59**	**56**	42	**59**	**46**	**48**	33	**47**	**50**	**57**	33	PN, V, SN, RO
R2638	Active recreation	NCA04	38	46	44	41	27	44	37	39	29	51	43	48	35	-
R2639	Commercial	NCA02	33	55	49	47	32	62	40	42	30	45	43	50	30	-
R2640	Residential	NCA02	39	**52**	**60**	**56**	42	**60**	**44**	**46**	33	**49**	**50**	**57**	36	PN, V, SN, RO
R2641	Industrial	NCA04	34	44	41	39	24	41	35	36	26	46	41	46	31	-
R2642	Residential	NCA02	36	**52**	**58**	**54**	40	**58**	43	**46**	32	**48**	**48**	**55**	33	PN
R2643	Residential	NCA02	40	**55**	**60**	**56**	42	**60**	**48**	**50**	38	**51**	**52**	**57**	37	PN, V, SN, RO
R2644	Residential	NCA02	42	**51**	**56**	**52**	37	**56**	**47**	**49**	38	**53**	**48**	**55**	39	PN
R2645	Residential	NCA01	16	27	31	29	14	32	20	22	12	27	22	29	13	-
R2646	Residential	NCA02	37	**52**	**58**	**54**	39	**58**	43	**46**	32	**48**	**49**	**56**	34	PN
R2647	Residential	NCA02	29	43	43	41	26	**47**	31	33	19	39	35	41	26	-
R2648	Residential	NCA02	26	38	40	37	23	**44**	27	29	14	36	31	38	23	-
R2649	Residential	NCA02	34	**57**	**63**	**57**	43	**63**	**44**	**46**	33	**45**	**54**	**58**	31	PN, V, SN, RO
R2650	Residential	NCA02	28	**45**	**46**	42	29	**49**	33	35	22	40	37	**44**	25	PN
R2651	Industrial	NCA02	33	56	47	44	28	62	37	39	27	44	39	46	30	-
R2652	Residential	NCA02	37	**53**	**59**	**55**	39	**59**	**44**	**46**	35	**49**	**50**	**56**	34	PN, V, SN, RO
R2653	Active recreation	NCA04	38	45	43	40	26	43	36	38	28	49	42	47	35	-
R2654	Residential	NCA02	28	**49**	**45**	**48**	28	**55**	35	37	24	40	36	43	25	PN
R2655	Residential	NCA01	28	**43**	**47**	**44**	30	**48**	33	35	25	39	38	**45**	25	PN
R2656	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	**45**	33	**48**	**50**	**56**	33	PN, V, SN, RO
R2657	Residential	NCA02	31	**52**	**51**	**49**	32	**57**	35	37	25	42	42	**49**	28	PN
R2658	Residential	NCA02	31	42	**45**	42	28	**48**	37	39	26	43	37	**44**	28	-
R2659	Active recreation	NCA04	36	47	41	39	25	41	35	37	25	50	43	47	33	-
R2660	Residential	NCA02	33	**44**	**46**	42	29	**49**	36	39	25	**44**	37	**44**	30	PN
R2661	Residential	NCA02	30	**48**	**48**	**48**	30	**56**	35	39	25	42	39	**46**	27	PN
R2662	Residential	NCA02	38	**52**	**59**	**55**	42	**59**	43	**44**	33	**49**	**50**	**57**	35	PN, V, SN, RO
R2663	Residential	NCA02	42	**51**	**58**	**54**	37	**58**	**46**	**48**	38	**53**	**49**	**55**	39	PN
R2664	Residential	NCA02	30	41	**44**	41	26	**45**	35	37	23	42	35	42	27	-
R2665	Active recreation	NCA04	41	46	48	45	30	47	41	43	32	53	44	51	38	-
R2666	Active recreation	NCA02	29	45	49	46	30	50	35	37	26	41	41	48	26	-
R2667	Residential	NCA02	38	**56**	**63**	**59**	43	**62**	**45**	**47**	35	**49**	**53**	**60**	35	PN, V, SN, RO

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2668	Residential	NCA02	25	38	40	37	23	**44**	30	32	19	37	31	38	22	-
R2669	Industrial	NCA04	39	42	42	39	25	42	35	36	26	44	37	44	36	-
R2670	Residential	NCA02	**47**	**50**	**54**	**52**	36	**54**	**48**	**50**	39	**57**	**48**	**55**	**44**	PN
R2671	Residential	NCA02	41	**52**	**58**	**54**	40	**58**	**47**	**49**	36	**52**	**49**	**56**	38	PN
R2672	Residential	NCA02	40	**53**	**59**	**56**	42	**59**	**48**	**49**	37	**52**	**50**	**57**	37	PN, V, SN, RO
R2673	Active recreation	NCA04	38	45	41	38	24	41	35	37	26	50	42	47	35	-
R2674	Residential	NCA02	30	43	**45**	**44**	27	**48**	36	38	24	42	37	**44**	27	-
R2675	Residential	NCA02	35	**50**	**55**	**51**	36	**57**	42	**44**	32	**47**	**46**	**53**	32	PN
R2676	Active recreation	NCA04	33	36	40	39	23	40	34	35	25	43	34	41	30	-
R2677	Residential	NCA02	29	40	42	40	25	**45**	30	32	20	40	34	41	26	-
R2678	Residential	NCA02	43	**51**	**57**	**53**	38	**57**	**48**	**50**	38	**54**	**49**	**55**	40	PN
R2679	Residential	NCA02	31	**44**	**44**	42	27	**47**	35	37	22	42	35	42	28	-
R2680	Residential	NCA02	28	37	39	37	22	42	29	31	18	39	31	38	25	-
R2681	Residential	NCA02	37	**54**	**60**	**56**	42	**60**	43	**46**	33	**48**	**51**	**58**	34	PN, V, SN, RO
R2682	Residential	NCA02	37	**56**	**62**	**59**	43	**62**	43	**44**	33	**48**	**53**	**59**	34	PN, V, SN, RO
R2683	Residential	NCA02	28	42	**45**	43	27	**48**	34	36	22	40	37	**44**	25	-
R2684	Industrial	NCA04	37	43	42	39	25	42	35	37	27	50	40	43	34	-
R2685	Residential	NCA02	37	**57**	**63**	**59**	43	**62**	42	**44**	33	**48**	**53**	**60**	34	PN, V, SN, RO
R2686	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	**48**	**49**	39	**54**	**47**	**54**	39	PN
R2687	Residential	NCA02	36	**57**	**63**	**59**	**44**	**63**	42	**45**	33	**48**	**54**	**61**	33	PN, V, SN, RO
R2688	Residential	NCA01	19	32	33	30	16	34	23	25	15	31	24	31	16	-
R2689	Residential	NCA02	36	**55**	**60**	**57**	43	**60**	41	43	31	**48**	**51**	**57**	33	PN, V, SN, RO
R2690	Residential	NCA02	27	40	**44**	41	26	**46**	32	34	21	39	35	42	24	-
R2691	Residential	NCA02	43	**50**	**55**	**52**	37	**56**	**48**	**50**	38	**54**	**47**	**54**	40	PN
R2692	Residential	NCA02	28	37	42	38	25	43	33	35	21	39	33	40	25	-
R2693	Active recreation	NCA04	37	44	44	41	26	43	37	39	28	48	41	46	34	-
R2694	Industrial	NCA04	45	49	51	50	33	50	47	49	38	56	48	55	42	-
R2695	Residential	NCA02	28	41	**44**	42	27	**46**	35	37	23	41	36	43	25	-
R2696	Educational institute	NCA02	33	47	50	47	31	53	37	38	27	45	42	48	30	-
R2697	Residential	NCA02	36	**51**	**55**	**52**	37	**56**	41	43	30	**47**	**47**	**54**	33	PN
R2698	Residential	NCA02	35	**52**	**57**	**53**	37	**57**	41	42	30	**46**	**48**	**55**	32	PN
R2699	Residential	NCA02	41	**54**	**61**	**57**	43	**61**	**47**	**49**	37	**53**	**52**	**58**	38	PN, V, SN, RO
R2700	Residential	NCA02	38	**51**	**57**	**53**	39	**57**	**45**	**47**	35	**50**	**48**	**53**	35	PN
R2701	Residential	NCA02	42	**51**	**56**	**53**	37	**56**	**48**	**50**	38	**53**	**47**	**54**	39	PN
R2702	Active recreation	NCA04	40	46	49	46	31	48	42	44	31	52	43	50	37	-
R2703	Residential	NCA02	42	**48**	**53**	**50**	34	**53**	**46**	**48**	38	**53**	**45**	**52**	39	PN
R2704	Residential	NCA02	42	**49**	**55**	**52**	37	**55**	**48**	**50**	38	**53**	**47**	**54**	39	PN
R2705	Residential	NCA02	28	35	39	36	22	41	31	33	20	40	31	38	25	-
R2706	Educational institute	NCA02	34	49	51	48	33	52	40	42	30	46	43	50	31	-
R2707	Residential	NCA02	29	40	**44**	40	26	**46**	34	36	22	41	35	42	26	-
R2708	Residential	NCA02	42	**51**	**57**	**54**	40	**57**	**46**	**48**	37	**53**	**48**	**54**	39	PN
R2709	Active recreation	NCA04	40	47	45	42	28	45	38	40	30	51	44	48	37	-
R2710	Residential	NCA02	30	42	**45**	42	26	**47**	34	37	25	42	36	43	27	-
R2711	Residential	NCA02	42	**50**	**56**	**52**	37	**56**	**47**	**48**	36	**53**	**47**	**53**	39	PN
R2712	Residential	NCA02	29	**44**	**44**	42	27	**47**	33	35	22	41	36	42	26	-
R2713	Residential	NCA02	28	42	**44**	41	26	**48**	34	36	22	40	36	42	25	-
R2714	Residential	NCA02	29	41	42	40	25	**47**	34	36	22	40	36	42	26	-
R2715	Residential	NCA02	37	**50**	**57**	**53**	40	**57**	**45**	**47**	34	**48**	**48**	**54**	34	PN
R2716	Residential	NCA02	41	**52**	**58**	**55**	40	**58**	**47**	**48**	37	**52**	**49**	**56**	38	PN
R2717	Residential	NCA02	37	**53**	**59**	**55**	41	**59**	**45**	**48**	35	**49**	**50**	**56**	34	PN, V, SN, RO
R2718	Commercial	NCA02	49	54	56	53	39	56	52	55	43	60	51	58	46	-
R2719	Residential	NCA02	38	**53**	**59**	**55**	40	**58**	**45**	**47**	35	**50**	**49**	**56**	35	PN
R2720	Residential	NCA02	35	**51**	**57**	**53**	39	**57**	40	43	29	**46**	**48**	**55**	32	PN
R2721	Residential	NCA02	27	39	41	38	24	**44**	32	34	20	38	33	40	24	-
R2722	Active recreation	NCA04	37	42	42	40	25	42	36	37	26	49	40	46	34	-
R2723	Residential	NCA02	40	**52**	**58**	**55**	41	**58**	**45**	**47**	34	**51**	**49**	**56**	37	PN
R2724	Educational institute	NCA02	32	48	50	48	32	53	36	38	26	44	43	50	29	-
R2725	Residential	NCA02	40	**52**	**57**	**53**	40	**57**	**47**	**49**	36	**51**	**49**	**55**	37	PN
R2726	Residential	NCA02	37	**50**	**57**	**53**	39	**57**	**44**	**46**	33	**48**	**48**	**55**	34	PN
R2727	Residential	NCA02	25	36	41	37	23	42	28	30	18	36	32	39	22	-
R2728	Residential	NCA02	37	**51**	**58**	**54**	39	**56**	**44**	**45**	31	**48**	**49**	**56**	34	PN
R2729	Residential	NCA02	28	40	**44**	41	26	**45**	33	35	22	40	36	42	25	-
R2730	Residential	NCA01	27	41	**46**	42	29	**47**	32	35	24	39	37	**44**	24	-
R2731	Residential	NCA02	38	**52**	**57**	**55**	37	**58**	**45**	**47**	34	**50**	**49**	**54**	35	PN
R2732	Residential	NCA02	28	39	42	39	25	43	32	34	20	39	34	40	25	-
R2733	Residential	NCA02	26	37	41	38	23	42	31	33	20	38	32	39	23	-
R2734	Residential	NCA02	39	**51**	**58**	**54**	40	**58**	**48**	**49**	37	**51**	**49**	**55**	36	PN
R2735	Residential	NCA02	36	**51**	**55**	**51**	37	**55**	43	**45**	33	**48**	**46**	**53**	33	PN
R2736	Residential	NCA02	37	**52**	**57**	**55**	40	**57**	43	**45**	33	**48**	**50**	**55**	34	PN
R2737	Residential	NCA02	27	36	41	37	24	42	31	33	21	39	32	39	24	-
R2738	Residential	NCA02	37	**52**	**57**	**54**	40	**58**	43	**45**	33	**49**	**49**	**55**	34	PN
R2739	Residential	NCA02	25	35	39	35	21	40	27	29	16	35	30	37	22	-
R2740	Commercial	NCA02	48	52	55	53	37	54	49	53	39	59	50	57	45	-
R2741	Active recreation	NCA04	38	45	43	40	25	43	36	38	28	48	42	47	35	-
R2742	Residential	NCA02	38	**51**	**58**	**54**	40	**58**	**44**	**46**	33	**49**	**48**	**54**	35	PN
R2743	Residential	NCA02	36	**52**	**57**	**53**	38	**57**	43	**45**	32	**48**	**48**	**54**	33	PN
R2744	Residential	NCA02	37	**50**	**56**	**52**	38	**56**	42	**44**	33	**49**	**47**	**54**	34	PN
R2745	Residential	NCA02	38	**52**	**57**	**54**	39	**57**	**46**	**48**	36	**50**	**49**	**56**	35	PN
R2746	Residential	NCA02	32	**53**	**47**	**44**	29	**59**	38	40	29	**44**	40	**47**	29	PN, V, SN, RO
R2747	Residential	NCA02	39	**52**	**58**	**54**	41	**57**	**47**	**49**	36	**51**	**49**	**55**	36	PN
R2748	Residential	NCA02	22	35	38	35	21	40	26	28	16	33	29	36	19	-
R2749	Residential	NCA02	35	**52**	**58**	**54**	38	**57**	43	**45**	32	**47**	**48**	**55**	32	PN
R2750	Residential	NCA02	25	39	41	39	24	**44**	30	32	18	36	33	40	22	-
R2751	Educational institute	NCA02	33	48	48	45	29	53	39	41	29	45	42	48	30	-
R2752	Residential	NCA02	**44**	**49**	**53**	**51**	35	**54**	**47**	**48**	37	**54**	**46**	**53**	41	PN
R2753	Place of worship	NCA02	32	50	49	46	29	56	38	40	28	44	41	48	29	-
R2754	Residential	NCA02	37	**52**	**58**	**54**	41	**58**	**45**	**47**	35	**49**	**49**	**55**	34	PN
R2755	Active recreation	NCA04	41	46	49	46	31	48	42	44	33	52	43	50	38	-
R2756	Residential	NCA02	25	38	41	39	24	43	31	33	19	37	32	40	22	-
R2757	Residential	NCA02	30	**44**	**46**	**44**	27	**48**	36	38	25	42	37	**44**	27	-
R2758	Residential	NCA02	37	**51**	**58**	**54**	40	**58**	**44**	**46**	34	**49**	**49**	**56**	34	PN
R2759	Active recreation	NCA04	37	44	43	41	26	43	36	38	28	50	42	48	34	-
R2760	Residential	NCA02	36	**53**	**59**	**55**	40	**59**	42	**44**	32	**48**	**50**	**55**	33	PN, V, SN, RO
R2761	Residential	NCA02	30	40	42	38	25	**45**	34	36	25	42	34	41	27	-
R2762	Commercial	NCA02	44	48	52	51	34	51	47	49	36	54	46	52	41	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2763	Residential	NCA02	29	39	42	39	25	**44**	33	35	23	41	34	41	26	-
R2764	Residential	NCA02	29	43	**46**	**44**	27	**48**	35	37	25	41	37	**44**	26	-
R2765	Residential	NCA02	31	**44**	**44**	41	26	**49**	35	38	26	43	37	**44**	28	-
R2766	Residential	NCA02	29	**50**	**55**	**51**	34	**57**	35	37	24	41	**46**	**51**	26	PN
R2767	Residential	NCA02	43	**47**	**51**	**49**	32	**51**	**46**	**48**	37	**53**	**45**	**52**	40	PN
R2768	Active recreation	NCA04	42	46	49	46	31	48	44	46	33	53	44	50	39	-
R2769	Residential	NCA02	29	42	43	41	26	**47**	34	36	23	41	34	41	26	-
R2770	Active recreation	NCA04	35	41	42	39	25	42	35	37	26	47	38	45	32	-
R2771	Residential	NCA02	42	**48**	**54**	**49**	34	**54**	**46**	**48**	36	**52**	**44**	**51**	39	PN
R2772	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	**45**	**47**	35	**49**	**49**	**56**	34	PN
R2773	Residential	NCA02	**45**	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**55**	**46**	**53**	42	PN
R2774	Residential	NCA02	33	**50**	**56**	**52**	37	**56**	40	42	29	**45**	**47**	**54**	30	PN
R2775	Commercial	NCA01	20	29	35	31	17	35	24	26	15	31	26	33	17	-
R2776	Residential	NCA02	39	**45**	**50**	**47**	33	**50**	42	**44**	33	**50**	42	**48**	36	PN
R2777	Residential	NCA02	25	41	42	40	24	**45**	29	31	21	37	33	39	22	-
R2778	Residential	NCA02	33	**48**	**47**	43	28	**52**	35	37	23	**44**	38	**45**	30	PN
R2779	Residential	NCA02	37	**49**	**55**	**52**	37	**55**	**44**	**46**	34	**48**	**46**	**53**	34	PN
R2780	Residential	NCA02	31	**44**	**45**	43	27	**50**	36	39	26	43	37	43	28	PN
R2781	Active recreation	NCA04	38	42	42	40	25	42	36	38	27	48	40	44	35	-
R2782	Residential	NCA02	37	**52**	**57**	**53**	40	**57**	**45**	**47**	35	**48**	**49**	**55**	34	PN
R2783	Residential	NCA02	31	**47**	**47**	**44**	28	**49**	36	39	27	43	38	**45**	28	PN
R2784	Residential	NCA02	32	**51**	**47**	**45**	29	**59**	37	39	27	43	40	**47**	29	PN, V, SN, RO
R2785	Residential	NCA02	40	**45**	**51**	**47**	33	**51**	**44**	**46**	35	**51**	43	**50**	37	PN
R2786	Residential	NCA02	37	**52**	**58**	**54**	40	**58**	**44**	**46**	34	**49**	**49**	**55**	34	PN
R2787	Residential	NCA02	40	**47**	**50**	**48**	32	**50**	43	**45**	35	**51**	42	**49**	37	PN
R2788	Residential	NCA02	38	**53**	**58**	**54**	41	**58**	**45**	**47**	36	**50**	**49**	**56**	35	PN
R2789	Place of worship	NCA02	28	43	45	43	27	48	35	37	23	40	37	44	25	-
R2790	Residential	NCA02	39	**48**	**53**	**50**	35	**54**	42	43	31	**50**	**45**	**49**	36	PN
R2791	Educational institute	NCA02	34	51	54	52	33	54	40	42	27	46	46	53	31	-
R2792	Residential	NCA02	27	43	**46**	**44**	27	**48**	33	35	19	39	38	**45**	24	-
R2793	Residential	NCA02	28	40	42	39	25	**45**	34	36	23	40	34	42	25	-
R2794	Residential	NCA02	39	**50**	**55**	**51**	38	**55**	43	**44**	33	**50**	**47**	**54**	36	PN
R2795	Residential	NCA02	36	**52**	**56**	**54**	38	**57**	42	**44**	32	**47**	**49**	**56**	33	PN
R2796	Residential	NCA02	**46**	**48**	**52**	**49**	34	**52**	**45**	**48**	37	**57**	**48**	**55**	43	PN
R2797	Residential	NCA02	30	**47**	**45**	42	27	**49**	35	37	25	42	37	43	27	PN
R2798	Residential	NCA02	34	**51**	**57**	**53**	38	**57**	43	**45**	33	**47**	**48**	**55**	31	PN
R2799	Residential	NCA02	30	41	43	40	25	**45**	35	37	25	42	35	42	27	-
R2800	Educational institute	NCA02	34	50	52	50	32	53	40	42	28	46	44	51	31	-
R2801	Residential	NCA02	30	42	**45**	43	27	**46**	35	37	26	42	38	**44**	27	-
R2802	Residential	NCA02	27	40	40	38	23	**45**	32	34	23	39	33	39	24	-
R2803	Residential	NCA02	36	**51**	**58**	**54**	39	**58**	43	**45**	33	**48**	**49**	**56**	33	PN
R2804	Residential	NCA02	39	**50**	**57**	**54**	40	**57**	**46**	**48**	36	**51**	**48**	**54**	36	PN
R2805	Residential	NCA02	29	**51**	**44**	40	26	**58**	33	35	24	41	35	42	26	PN
R2806	Residential	NCA02	37	**53**	**58**	**55**	40	**58**	**44**	**46**	35	**49**	**49**	**55**	34	PN
R2807	Residential	NCA02	34	**49**	**52**	**49**	33	**52**	41	43	31	**46**	**45**	**51**	31	PN
R2808	Residential	NCA02	22	39	40	38	24	**44**	26	29	17	34	32	39	19	-
R2809	Residential	NCA02	39	**49**	**54**	**51**	37	**54**	42	**44**	33	**51**	**45**	**52**	36	PN
R2810	Educational institute	NCA02	33	47	48	47	29	51	39	41	28	45	43	49	30	-
R2811	Residential	NCA02	38	**49**	**55**	**51**	35	**54**	**44**	**46**	33	**49**	**46**	**52**	35	PN
R2812	Residential	NCA02	40	**52**	**59**	**55**	41	**59**	**46**	**48**	37	**51**	**50**	**55**	37	PN, V, SN, RO
R2813	Active recreation	NCA04	40	47	46	43	28	46	40	42	30	52	45	50	37	-
R2814	Educational institute	NCA02	28	41	45	42	27	46	32	34	22	39	36	43	25	-
R2815	Residential	NCA02	25	39	40	36	23	**45**	29	31	19	35	31	38	22	-
R2816	Residential	NCA02	25	42	41	39	23	**48**	33	35	22	35	34	41	22	-
R2817	Residential	NCA02	18	33	37	34	21	39	23	26	15	30	28	35	15	-
R2818	Residential	NCA02	**45**	**50**	**52**	**49**	33	**51**	**49**	**51**	39	**56**	**47**	**54**	42	PN
R2819	Residential	NCA02	20	35	38	34	22	41	24	26	16	31	29	36	17	-
R2820	Residential	NCA02	29	42	42	40	24	**45**	34	36	24	41	35	41	26	-
R2821	Active recreation	NCA02	30	44	47	45	28	49	35	37	25	42	39	46	27	-
R2822	Educational institute	NCA02	27	41	45	41	28	45	31	33	21	38	36	43	24	-
R2823	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	**45**	**47**	36	**50**	**47**	**54**	35	PN
R2824	Educational institute	NCA02	33	48	54	50	33	53	38	40	27	45	44	51	30	-
R2825	Residential	NCA02	35	**49**	**51**	**47**	33	**55**	40	42	30	**47**	42	**48**	32	PN
R2826	Residential	NCA02	30	39	41	38	24	43	34	36	24	42	34	41	27	-
R2827	Residential	NCA02	41	**45**	**46**	**44**	28	**47**	42	**44**	34	**51**	42	**49**	38	PN
R2828	Residential	NCA02	29	**44**	**44**	42	26	**48**	36	38	25	41	37	**44**	26	-
R2829	Residential	NCA02	38	**50**	**55**	**52**	38	**55**	43	**44**	33	**49**	**46**	**53**	35	PN
R2830	Residential	NCA02	36	**50**	**56**	**52**	37	**55**	42	**45**	33	**48**	**46**	**53**	33	PN
R2831	Educational institute	NCA02	32	48	49	46	29	52	36	38	25	44	41	48	29	-
R2832	Educational institute	NCA02	33	49	51	47	33	52	40	42	30	45	42	48	30	-
R2833	Active recreation	NCA04	37	41	43	40	25	42	36	37	27	46	38	43	34	-
R2834	Residential	NCA02	26	39	40	37	23	43	31	33	20	38	31	38	23	-
R2835	Residential	NCA02	37	**49**	**54**	**50**	34	**54**	**44**	**46**	33	**47**	**45**	**52**	34	PN
R2836	Residential	NCA02	30	**45**	**44**	43	26	**47**	34	37	24	42	37	**44**	27	-
R2837	Residential	NCA02	35	**52**	**57**	**53**	38	**59**	39	41	28	**46**	**45**	**52**	32	PN, V, SN, RO
R2838	Residential	NCA02	26	42	43	39	25	**46**	33	35	23	38	34	41	23	-
R2839	Residential	NCA02	32	**52**	**47**	**45**	29	**58**	37	39	27	**44**	40	**47**	29	PN
R2840	Residential	NCA02	28	**44**	**45**	42	27	**48**	35	37	25	40	36	**44**	25	-
R2841	Residential	NCA02	39	**45**	**48**	**45**	31	**49**	41	43	33	**50**	42	**49**	36	PN
R2842	Residential	NCA02	36	**51**	**57**	**54**	40	**57**	41	43	30	**46**	**48**	**54**	33	PN
R2843	Residential	NCA02	36	**54**	**59**	**55**	40	**59**	43	**45**	32	**48**	**48**	**55**	33	PN, V, SN, RO
R2844	Residential	NCA02	38	**49**	**55**	**51**	38	**55**	**44**	**45**	33	**49**	**47**	**52**	35	PN
R2845	Residential	NCA02	39	**47**	**54**	**49**	33	**53**	43	**45**	33	**50**	**44**	**50**	36	PN
R2846	Residential	NCA02	27	42	**45**	42	27	**47**	33	35	23	39	36	43	24	-
R2847	Residential	NCA02	23	38	39	36	23	42	26	28	18	35	30	37	20	-
R2848	Residential	NCA02	38	**51**	**56**	**53**	38	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN
R2849	Residential	NCA02	30	43	**45**	43	26	**47**	36	38	25	42	38	**45**	27	-
R2850	Residential	NCA02	**44**	**47**	**51**	**48**	31	**51**	**46**	**48**	36	**55**	**46**	**53**	41	PN
R2851	Residential	NCA02	40	**50**	**56**	**52**	38	**56**	**46**	**48**	36	**52**	**47**	**55**	37	PN
R2852	Residential	NCA02	27	42	41	39	23	**45**	33	35	22	39	34	41	24	-
R2853	Residential	NCA02	26	42	**44**	42	25	**47**	33	35	23	38	36	43	23	-
R2854	Residential	NCA02	40	**44**	**48**	**47**	30	**47**	43	**45**	34	**50**	42	**49**	37	PN
R2855	Residential	NCA02	38	**50**	**57**	**53**	39	**57**	**45**	**48**	36	**49**	**48**	**55**	35	PN
R2856	Residential	NCA02	27	39	40	36	23	**44**	31	34	22	38	32	39	24	-
R2857	Residential	NCA02	37	**50**	**55**	**52**	37	**55**	**44**	**46**	34	**49**	**47**	**54**	34	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2858	Residential	NCA02	27	43	**45**	43	25	**48**	34	36	23	39	37	**44**	24	-
R2859	Active recreation	NCA04	35	42	38	35	21	37	34	36	23	48	39	46	32	-
R2860	Residential	NCA02	30	**46**	**45**	43	27	**48**	35	37	24	42	36	43	27	-
R2861	Residential	NCA02	32	**50**	**48**	**44**	29	**57**	38	40	28	**44**	41	**48**	29	PN
R2862	Educational institute	NCA02	32	43	47	44	30	47	39	40	26	44	38	45	29	-
R2863	Residential	NCA02	38	**51**	**57**	**53**	37	**57**	**44**	**46**	34	**48**	**48**	**53**	35	PN
R2864	Residential	NCA02	23	36	38	35	21	41	28	30	17	35	30	37	20	-
R2865	Residential	NCA02	**44**	**49**	**51**	**50**	32	**51**	**47**	**49**	39	**56**	**47**	**54**	41	PN
R2866	Residential	NCA02	28	39	40	37	23	43	32	34	22	40	33	39	25	-
R2867	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	41	43	31	**48**	**45**	**50**	34	PN
R2868	Residential	NCA02	37	**51**	**57**	**53**	38	**57**	**44**	**46**	35	**49**	**48**	**55**	34	PN
R2869	Residential	NCA02	27	35	39	36	22	40	30	32	20	39	31	37	24	-
R2870	Active recreation	NCA04	42	45	50	47	32	50	45	47	34	53	43	50	39	-
R2871	Residential	NCA02	39	**47**	**51**	**48**	33	**51**	40	42	32	**49**	43	**49**	36	PN
R2872	Residential	NCA02	24	35	38	36	21	40	28	30	17	36	30	37	21	-
R2873	Residential	NCA02	38	**51**	**57**	**53**	38	**57**	**44**	**46**	35	**49**	**48**	**54**	35	PN
R2874	Residential	NCA02	32	**50**	**47**	**45**	29	**55**	38	40	26	**44**	41	**48**	29	PN
R2875	Residential	NCA02	29	**44**	43	42	25	**48**	35	37	25	41	36	43	26	-
R2876	Residential	NCA02	30	**47**	43	42	25	**50**	36	38	26	42	38	**44**	27	PN
R2877	Residential	NCA02	26	37	38	35	21	41	32	35	21	38	32	39	23	-
R2878	Residential	NCA02	38	**50**	**56**	**52**	38	**56**	**45**	**46**	34	**50**	**47**	**51**	35	PN
R2879	Residential	NCA02	24	36	39	37	21	41	30	32	18	36	32	38	21	-
R2880	Residential	NCA02	41	**46**	**51**	**48**	33	**50**	**45**	**47**	36	**52**	**44**	**50**	38	PN
R2881	Residential	NCA02	36	**49**	**53**	**50**	34	**53**	42	**44**	31	**47**	**44**	**51**	33	PN
R2882	Residential	NCA02	41	**47**	**51**	**48**	33	**50**	**44**	**46**	36	**53**	43	**50**	38	PN
R2883	Residential	NCA02	38	**50**	**56**	**53**	38	**56**	**44**	**46**	35	**50**	**47**	**53**	35	PN
R2884	Residential	NCA02	24	34	37	35	20	41	28	30	18	36	29	36	21	-
R2885	Residential	NCA02	26	36	38	35	21	42	30	32	19	38	30	37	23	-
R2886	Active recreation	NCA04	39	45	42	40	25	42	36	37	27	48	42	46	36	-
R2887	Residential	NCA02	39	**45**	**48**	**47**	30	**48**	**44**	**45**	35	**50**	42	**49**	36	PN
R2888	Residential	NCA02	24	36	40	36	22	41	28	30	20	35	31	38	21	-
R2889	Residential	NCA02	**44**	**49**	**51**	**49**	34	**51**	**47**	**48**	37	**55**	**46**	**53**	41	PN
R2890	Residential	NCA02	39	**44**	**49**	**45**	30	**49**	41	43	33	**50**	41	**48**	36	PN
R2891	Active recreation	NCA04	38	45	47	44	29	47	40	42	31	51	43	49	35	-
R2892	Residential	NCA02	26	38	**44**	41	26	**45**	32	34	24	38	36	43	23	-
R2893	Residential	NCA02	35	**51**	**57**	**53**	38	**57**	42	**45**	32	**47**	**48**	**54**	32	PN
R2894	Residential	NCA02	29	**44**	**45**	42	26	**48**	34	36	24	41	37	43	26	-
R2895	Place of worship	NCA02	31	51	47	45	29	56	36	38	26	43	41	48	28	-
R2896	Residential	NCA02	34	**48**	**54**	**50**	35	**54**	41	43	30	**46**	**44**	**51**	31	PN
R2897	Residential	NCA02	41	**47**	**52**	**48**	33	**52**	**44**	**47**	35	**52**	43	**51**	38	PN
R2898	Residential	NCA02	30	**45**	**44**	41	26	**47**	36	38	25	42	38	**45**	27	-
R2899	Active recreation	NCA04	41	46	49	49	32	49	45	47	33	52	44	51	38	-
R2900	Residential	NCA02	31	**48**	**48**	**45**	27	**52**	37	39	28	43	40	**47**	28	PN
R2901	Residential	NCA02	25	35	39	36	22	40	29	31	20	36	31	37	22	-
R2902	Residential	NCA02	36	**52**	**56**	**54**	38	**58**	43	**45**	33	**47**	**47**	**54**	33	PN
R2903	Residential	NCA02	29	39	40	38	23	**44**	33	35	24	40	32	39	26	-
R2904	Residential	NCA02	34	**53**	**58**	**54**	38	**57**	41	43	31	**46**	**49**	**52**	31	PN
R2905	Residential	NCA02	39	**46**	**51**	**47**	33	**51**	43	**45**	35	**50**	43	**49**	36	PN
R2906	Active recreation	NCA04	41	45	44	42	22	39	39	40	29	52	43	48	38	-
R2907	Residential	NCA02	36	**48**	**54**	**50**	36	**54**	43	**45**	33	**48**	**45**	**51**	33	PN
R2908	Residential	NCA02	30	**47**	**46**	43	28	**51**	36	38	26	42	38	**45**	27	PN
R2909	Residential	NCA02	39	**46**	**50**	**46**	32	**50**	43	**45**	34	**50**	42	**48**	36	PN
R2910	Residential	NCA02	34	**49**	**52**	**49**	34	**52**	40	43	31	**46**	43	**48**	31	PN
R2911	Residential	NCA02	30	**44**	**45**	42	27	**46**	36	38	26	42	39	**46**	27	-
R2912	Residential	NCA02	27	38	43	40	25	**44**	32	34	23	38	34	41	24	-
R2913	Residential	NCA02	38	**47**	**53**	**50**	35	**53**	43	**45**	34	**50**	**44**	**50**	35	PN
R2914	Residential	NCA02	29	40	42	40	25	**44**	33	35	25	40	35	41	26	-
R2915	Residential	NCA02	34	**48**	**54**	**50**	36	**54**	41	43	31	**46**	**45**	**52**	31	PN
R2916	Residential	NCA02	39	**47**	**53**	**49**	37	**53**	**44**	**46**	34	**50**	**45**	**51**	36	PN
R2917	Residential	NCA02	26	36	37	35	20	40	27	29	18	34	28	35	23	-
R2918	Residential	NCA02	29	42	**45**	41	26	**45**	33	35	23	41	37	**44**	26	-
R2919	Residential	NCA02	39	**49**	**55**	**51**	37	**55**	**44**	**46**	35	**50**	**46**	**53**	36	PN
R2920	Residential	NCA02	33	**48**	**50**	**47**	32	**53**	40	42	30	**45**	42	**48**	30	PN
R2921	Residential	NCA02	38	**48**	**53**	**50**	35	**53**	**44**	**46**	35	**49**	**44**	**50**	35	PN
R2922	Residential	NCA02	33	**47**	**54**	**50**	35	**54**	39	41	26	**44**	**44**	**50**	30	PN
R2923	Residential	NCA02	32	**44**	**48**	**44**	30	**48**	37	39	25	**44**	39	**46**	29	-
R2924	Residential	NCA02	32	**50**	**47**	**45**	29	**54**	37	39	26	**44**	39	**45**	29	PN
R2925	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	43	**44**	33	**49**	**45**	**52**	34	PN
R2926	Residential	NCA02	30	**45**	**45**	43	27	**47**	36	38	27	42	37	**44**	27	-
R2927	Residential	NCA02	32	**48**	**50**	**46**	29	**54**	38	40	28	**44**	41	**48**	29	PN
R2928	Residential	NCA02	31	42	**45**	42	27	**46**	37	39	25	43	38	**45**	28	-
R2929	Residential	NCA02	27	42	40	39	22	**44**	33	35	22	39	32	39	24	-
R2930	Active recreation	NCA04	37	43	41	38	24	41	34	36	26	45	40	45	34	-
R2931	Residential	NCA02	37	**49**	**54**	**51**	36	**54**	**44**	**46**	35	**49**	**46**	**53**	34	PN
R2932	Residential	NCA02	33	**46**	**47**	**46**	29	**48**	39	41	28	**45**	41	**47**	30	-
R2933	Residential	NCA02	40	**44**	**50**	**46**	30	**50**	39	41	31	**51**	42	**48**	37	PN
R2934	Residential	NCA02	36	**48**	**53**	**49**	35	**53**	42	43	32	**48**	**45**	**51**	33	PN
R2935	Residential	NCA02	23	34	37	33	20	39	26	28	18	34	29	35	20	-
R2936	Residential	NCA02	34	**47**	**48**	**46**	31	**48**	39	40	27	**46**	40	**47**	31	-
R2937	Residential	NCA02	32	**44**	**46**	**44**	26	**48**	38	40	27	**44**	39	**45**	29	-
R2938	Residential	NCA02	32	**46**	**47**	**45**	28	**50**	38	40	28	**44**	41	**48**	29	PN
R2939	Residential	NCA02	33	**46**	**48**	**45**	28	**49**	38	40	28	**45**	41	**46**	30	-
R2940	Residential	NCA02	36	**47**	**53**	**49**	34	**53**	43	**44**	32	**48**	**44**	**50**	33	PN
R2941	Residential	NCA02	32	**48**	**47**	43	29	**53**	37	39	28	**44**	39	**45**	29	PN
R2942	Residential	NCA02	37	**49**	**54**	**51**	37	**55**	**44**	**46**	34	**48**	**45**	**52**	34	PN
R2943	Residential	NCA02	33	41	**46**	42	29	**46**	39	40	28	**45**	38	**45**	30	-
R2944	Residential	NCA02	29	**45**	**44**	42	27	**49**	35	37	26	41	37	**44**	26	PN
R2945	Residential	NCA02	38	43	**46**	43	28	**46**	41	43	33	**49**	40	**47**	35	PN
R2946	Residential	NCA02	30	**47**	**48**	**45**	30	**52**	36	37	26	42	40	**47**	27	PN
R2947	Residential	NCA02	28	**45**	**45**	42	27	**47**	32	34	21	39	36	43	25	-
R2948	Residential	NCA02	37	43	**45**	43	28	**45**	39	41	31	**48**	39	**46**	34	-
R2949	Residential	NCA02	29	41	39	37	23	43	32	34	24	40	31	38	26	-
R2950	Residential	NCA02	32	**48**	**54**	**50**	35	**54**	38	41	27	**44**	**45**	**52**	29	PN
R2951	Residential	NCA02	37	**49**	**54**	**50**	36	**54**	43	**45**	34	**49**	**45**	**52**	34	PN
R2952	Industrial	NCA02	26	38	42	39	24	43	32	34	22	38	34	39	23	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2953	Active recreation	NCA02	26	37	39	36	22	42	31	33	21	38	32	39	23	-
R2954	Residential	NCA02	37	42	**46**	43	28	**47**	41	43	31	**48**	39	**46**	34	-
R2955	Residential	NCA02	38	43	**44**	42	27	**44**	41	43	32	**49**	40	**47**	35	PN
R2956	Residential	NCA02	30	43	**45**	42	27	**45**	34	36	22	42	37	43	27	-
R2957	Residential	NCA02	38	43	**45**	42	28	**45**	41	43	33	**49**	40	**47**	35	PN
R2958	Residential	NCA02	37	**48**	**53**	**50**	36	**54**	43	**45**	33	**48**	**45**	**52**	34	PN
R2959	Residential	NCA02	38	43	**50**	**46**	31	**47**	40	43	32	**49**	40	**47**	35	PN
R2960	Residential	NCA02	30	41	**45**	41	28	**45**	36	37	23	42	36	43	27	-
R2961	Residential	NCA02	33	**46**	**49**	**48**	31	**52**	40	41	28	**45**	43	**46**	30	PN
R2962	Residential	NCA02	30	**45**	39	37	22	**48**	34	36	23	42	33	40	27	-
R2963	Residential	NCA02	37	**45**	**49**	**45**	31	**49**	41	43	31	**48**	40	**48**	34	PN
R2964	Residential	NCA02	25	40	40	37	23	**44**	29	31	20	36	32	39	22	-
R2965	Residential	NCA02	31	**47**	**48**	**45**	28	**52**	37	38	27	43	40	**47**	28	PN
R2966	Residential	NCA02	32	**47**	**46**	43	27	**52**	38	40	27	**44**	39	**45**	29	PN
R2967	Active recreation	NCA04	35	43	44	41	27	44	38	40	28	49	41	47	32	-
R2968	Residential	NCA02	32	**48**	**53**	**49**	36	**53**	38	40	27	**44**	**44**	**51**	29	PN
R2969	Residential	NCA02	26	36	37	36	20	40	30	32	20	38	30	37	23	-
R2970	Residential	NCA02	27	39	40	37	23	42	33	35	23	39	32	39	24	-
R2971	Residential	NCA02	34	**48**	**53**	**49**	35	**53**	41	43	30	**46**	**44**	**51**	31	PN
R2972	Residential	NCA02	28	38	39	37	22	42	35	37	23	40	33	39	25	-
R2973	Residential	NCA02	33	40	**45**	42	27	**46**	38	40	27	**45**	37	43	30	-
R2974	Residential	NCA02	34	**46**	**51**	**47**	33	**51**	39	41	29	**45**	43	**49**	31	PN
R2975	Residential	NCA02	38	43	43	**45**	26	43	41	43	33	**49**	40	**47**	35	PN
R2976	Residential	NCA02	30	42	**45**	41	27	**46**	37	39	24	42	37	43	27	-
R2977	Active recreation	NCA04	36	43	44	41	27	44	38	40	28	49	41	46	33	-
R2978	Active recreation	NCA02	40	45	49	47	32	50	43	45	34	51	43	50	37	-
R2979	Residential	NCA02	37	**46**	**51**	**46**	33	**51**	42	**44**	33	**48**	43	**48**	34	PN
R2980	Residential	NCA02	30	43	**45**	41	27	**47**	35	37	23	41	36	42	27	-
R2981	Residential	NCA02	29	41	41	41	24	**46**	34	36	25	41	37	**44**	26	-
R2982	Residential	NCA02	39	**47**	**53**	**48**	33	**53**	43	**44**	33	**50**	**44**	**49**	36	PN
R2983	Residential	NCA02	27	41	**45**	43	26	**47**	33	35	23	39	37	43	24	-
R2984	Residential	NCA02	32	43	**45**	42	26	**46**	37	39	28	**44**	37	43	29	-
R2985	Residential	NCA02	37	**45**	**49**	**46**	31	**49**	41	43	33	**48**	41	**48**	34	PN
R2986	Residential	NCA02	29	39	40	37	23	42	32	34	23	40	32	40	26	-
R2987	Residential	NCA02	28	38	39	38	22	41	33	35	24	40	32	38	25	-
R2988	Residential	NCA02	31	**46**	**44**	42	25	**51**	37	39	25	43	39	**46**	28	PN
R2989	Residential	NCA02	27	**48**	**52**	**50**	35	**52**	35	37	24	38	43	**50**	24	PN
R2990	Residential	NCA02	28	38	40	36	23	**44**	31	33	21	39	31	38	25	-
R2991	Residential	NCA02	38	43	**46**	42	27	**46**	41	43	33	**49**	40	**47**	35	PN
R2992	Residential	NCA02	38	**48**	**54**	**50**	35	**54**	43	**45**	34	**49**	**45**	**52**	35	PN
R2993	Residential	NCA02	33	**46**	**49**	**46**	30	**49**	39	41	28	**45**	41	**47**	30	PN
R2994	Residential	NCA02	33	41	**47**	43	30	**47**	37	39	26	**44**	37	**44**	30	-
R2995	Residential	NCA02	37	**45**	**49**	**46**	32	**49**	41	**44**	33	**49**	41	**48**	34	PN
R2996	Residential	NCA02	37	**47**	**53**	**49**	35	**53**	43	**44**	33	**49**	**44**	**51**	34	PN
R2997	Residential	NCA02	38	**44**	**47**	**44**	29	**47**	41	43	33	**49**	40	**47**	35	PN
R2998	Active recreation	NCA02	28	42	45	41	26	45	33	35	25	40	36	43	25	-
R2999	Residential	NCA02	34	**45**	**49**	**45**	30	**48**	41	41	30	**45**	39	**47**	31	PN
R3000	Residential	NCA02	27	39	41	38	22	43	32	34	23	39	33	39	24	-
R3001	Residential	NCA02	33	**46**	**50**	**47**	32	**51**	39	41	27	**44**	41	**48**	30	PN
R3002	Residential	NCA02	30	**45**	**48**	**45**	31	**48**	35	37	25	43	39	**46**	27	-
R3003	Residential	NCA02	38	**48**	**53**	**50**	35	**53**	43	**44**	34	**49**	**45**	**52**	35	PN
R3004	Residential	NCA02	31	**46**	**49**	**46**	31	**50**	37	39	24	43	41	**47**	28	PN
R3005	Residential	NCA02	38	**48**	**54**	**50**	35	**54**	43	**45**	34	**49**	**45**	**51**	35	PN
R3006	Residential	NCA02	38	**48**	**54**	**50**	36	**54**	43	**45**	33	**49**	**45**	**51**	35	PN
R3007	Residential	NCA02	38	**44**	**45**	42	27	**45**	42	**44**	34	**50**	41	**48**	35	PN
R3008	Residential	NCA02	30	**44**	**46**	**45**	28	**47**	37	40	25	41	38	**45**	27	-
R3009	Residential	NCA02	36	**47**	**54**	**50**	34	**53**	42	**44**	33	**47**	**44**	**50**	33	PN
R3010	Residential	NCA02	40	**46**	**52**	**48**	34	**51**	42	**45**	34	**51**	42	**49**	37	PN
R3011	Residential	NCA02	31	**47**	**47**	**44**	27	**52**	37	39	25	**44**	39	**47**	28	PN
R3012	Residential	NCA02	28	40	40	37	23	43	31	33	22	40	32	39	25	-
R3013	Residential	NCA02	26	38	39	37	22	42	30	32	22	37	32	37	23	-
R3014	Active recreation	NCA02	39	44	50	46	32	50	42	44	34	50	42	48	36	-
R3015	Residential	NCA02	29	41	41	38	23	**47**	33	35	20	40	34	41	26	-
R3016	Residential	NCA02	37	**48**	**54**	**50**	35	**54**	43	**46**	34	**49**	**44**	**51**	34	PN
R3017	Residential	NCA02	37	**48**	**53**	**50**	36	**53**	43	**46**	33	**48**	**44**	**51**	34	PN
R3018	Residential	NCA02	26	38	42	40	23	**44**	31	33	21	38	33	40	23	-
R3019	Residential	NCA02	31	39	42	38	25	**44**	36	38	25	43	35	42	28	-
R3020	Residential	NCA02	29	38	40	38	23	40	35	37	25	42	33	40	26	-
R3021	Residential	NCA02	33	**47**	**51**	**47**	32	**51**	40	42	29	**44**	42	**49**	30	PN
R3022	Residential	NCA02	26	36	40	36	22	41	32	34	21	37	32	39	23	-
R3023	Residential	NCA02	36	**48**	**53**	**50**	36	**54**	42	**44**	32	**47**	**45**	**51**	33	PN
R3024	Residential	NCA02	30	38	42	38	25	42	34	35	22	41	33	40	27	-
R3025	Residential	NCA02	37	**45**	**49**	**46**	31	**48**	43	**44**	32	**48**	41	**47**	34	PN
R3026	Residential	NCA02	27	39	39	36	21	41	31	33	21	38	31	37	24	-
R3027	Residential	NCA02	37	43	**45**	**45**	28	**46**	41	43	33	**49**	40	**47**	34	PN
R3028	Residential	NCA02	39	**44**	**50**	**47**	32	**50**	43	**44**	34	**49**	42	**49**	36	PN
R3029	Residential	NCA02	25	39	38	35	20	42	29	31	20	36	29	35	22	-
R3030	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	41	42	31	**46**	43	**48**	32	PN
R3031	Residential	NCA02	28	38	40	36	22	**44**	32	34	19	39	32	39	25	-
R3032	Residential	NCA02	30	**45**	**47**	**46**	26	**49**	36	38	24	42	40	43	27	PN
R3033	Residential	NCA02	38	**44**	**49**	**45**	32	**49**	38	40	29	**48**	40	**47**	35	PN
R3034	Residential	NCA02	35	**47**	**52**	**49**	35	**52**	42	**44**	33	**47**	**44**	**50**	32	PN
R3035	Residential	NCA02	25	35	36	35	19	39	27	29	18	36	28	34	22	-
R3036	Active recreation	NCA02	25	37	38	36	21	41	30	32	21	37	30	37	22	-
R3037	Residential	NCA02	31	**46**	43	41	25	**52**	36	38	25	43	38	43	28	PN
R3038	Residential	NCA02	37	**44**	**51**	**47**	33	**51**	41	43	31	**48**	42	**48**	34	PN
R3039	Residential	NCA02	29	**44**	42	39	24	**45**	34	36	25	41	35	41	26	-
R3040	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	41	43	31	**47**	43	**48**	32	PN
R3041	Residential	NCA02	39	43	**47**	**45**	30	**47**	41	43	33	**49**	41	**47**	36	PN
R3042	Residential	NCA02	35	**47**	**51**	**47**	34	**51**	42	43	31	**47**	42	**47**	32	PN
R3043	Residential	NCA02	32	42	**44**	41	26	**45**	38	40	27	**44**	37	43	29	-
R3044	Residential	NCA02	28	39	39	36	22	42	31	33	22	40	30	38	25	-
R3045	Residential	NCA02	22	35	37	35	20	40	26	28	16	34	28	35	19	-
R3046	Residential	NCA02	39	**45**	**48**	**46**	31	**48**	43	**44**	34	**49**	42	**48**	36	PN
R3047	Residential	NCA02	39	**46**	**51**	**47**	34	**51**	43	**45**	34	**50**	42	**49**	36	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3048	Residential	NCA02	33	**45**	**49**	**46**	32	**49**	39	39	28	**45**	40	**47**	30	PN
R3049	Residential	NCA02	31	**45**	**50**	**46**	31	**50**	37	39	26	43	41	**46**	28	PN
R3050	Residential	NCA02	37	**45**	**49**	**45**	31	**49**	42	43	33	**48**	41	**48**	34	PN
R3051	Residential	NCA02	34	**47**	**52**	**48**	33	**53**	41	43	31	**46**	43	**50**	31	PN
R3052	Residential	NCA02	22	34	37	34	19	39	29	31	18	33	28	35	19	-
R3053	Residential	NCA02	38	**45**	**47**	**46**	28	**47**	43	**44**	33	**50**	42	**48**	35	PN
R3054	Residential	NCA02	38	**45**	**51**	**47**	34	**51**	43	**45**	34	**50**	42	**49**	35	PN
R3055	Residential	NCA02	34	**47**	**53**	**49**	35	**53**	40	42	30	**46**	43	**49**	31	PN
R3056	Residential	NCA02	25	39	38	36	21	42	29	31	18	37	29	36	22	-
R3057	Residential	NCA02	31	**44**	43	42	25	**48**	35	37	24	43	37	**44**	28	-
R3058	Residential	NCA02	38	**47**	**52**	**49**	34	**52**	**44**	**46**	34	**50**	43	**50**	35	PN
R3059	Residential	NCA02	28	38	38	36	20	42	31	33	22	40	30	37	25	-
R3060	Residential	NCA02	39	**45**	**52**	**48**	33	**51**	42	**45**	33	**50**	42	**48**	36	PN
R3061	Residential	NCA02	34	**46**	**52**	**48**	33	**51**	41	42	30	**46**	43	**49**	31	PN
R3062	Residential	NCA02	28	38	39	37	22	42	32	34	24	40	31	39	25	-
R3063	Residential	NCA02	31	**45**	43	43	25	**50**	36	38	26	43	38	**45**	28	PN
R3064	Residential	NCA02	38	**45**	**46**	**46**	29	**46**	43	**45**	33	**51**	41	**48**	35	PN
R3065	Residential	NCA02	30	39	40	36	22	43	33	35	21	41	33	39	27	-
R3066	Residential	NCA02	23	34	36	34	19	39	27	29	15	34	27	33	20	-
R3067	Residential	NCA02	32	41	**46**	43	30	**46**	37	39	28	**44**	37	**44**	29	-
R3068	Residential	NCA02	22	35	37	34	20	39	26	28	18	34	28	35	19	-
R3069	Residential	NCA02	29	41	42	40	23	**45**	34	36	25	41	35	42	26	-
R3070	Residential	NCA02	37	43	**47**	**45**	30	**47**	41	43	33	**48**	40	**47**	34	-
R3071	Residential	NCA02	39	**47**	**53**	**49**	35	**53**	42	**44**	33	**50**	**44**	**49**	36	PN
R3072	Residential	NCA02	31	42	**47**	43	30	**47**	33	35	21	41	38	43	28	-
R3073	Residential	NCA02	35	**46**	**50**	**47**	31	**50**	37	38	28	**46**	42	**47**	32	PN
R3074	Residential	NCA02	41	**44**	**47**	**46**	29	**46**	42	**44**	34	**51**	42	**49**	38	PN
R3075	Residential	NCA02	27	42	**45**	42	26	**47**	33	35	24	39	36	42	24	-
R3076	Residential	NCA02	39	**45**	**47**	**46**	30	**47**	43	**45**	33	**50**	42	**49**	36	PN
R3077	Residential	NCA02	39	**46**	**52**	**48**	34	**51**	42	**45**	34	**50**	43	**49**	36	PN
R3078	Residential	NCA02	33	**45**	**48**	**44**	30	**48**	39	40	28	**45**	39	**45**	30	-
R3079	Residential	NCA02	24	39	43	41	24	**45**	29	31	20	36	35	41	21	-
R3080	Residential	NCA02	25	36	38	36	21	40	28	32	20	37	31	37	22	-
R3081	Residential	NCA02	34	**45**	**51**	**48**	32	**51**	40	41	30	**46**	41	**47**	31	PN
R3082	Active recreation	NCA04	37	42	42	39	25	42	35	37	26	46	38	42	34	-
R3083	Residential	NCA02	38	**46**	**51**	**48**	34	**51**	43	**45**	33	**50**	42	**49**	35	PN
R3084	Residential	NCA02	26	38	43	40	25	43	31	33	21	38	34	41	23	-
R3085	Residential	NCA02	27	36	37	35	20	40	33	35	23	39	32	39	24	-
R3086	Residential	NCA02	33	**46**	**50**	**47**	31	**50**	40	41	29	**45**	42	**47**	30	PN
R3087	Residential	NCA02	24	39	41	38	22	43	28	30	20	35	33	40	21	-
R3088	Residential	NCA02	29	40	41	38	24	**45**	34	36	23	40	33	39	26	-
R3089	Residential	NCA02	38	**45**	**51**	**47**	34	**51**	42	43	31	**49**	42	**47**	35	PN
R3090	Residential	NCA02	24	35	37	34	19	39	28	30	19	36	28	34	21	-
R3091	Residential	NCA02	31	**44**	**46**	42	28	**47**	37	38	26	43	37	43	28	-
R3092	Residential	NCA02	39	**45**	**48**	**46**	29	**48**	42	**44**	33	**53**	**44**	**50**	36	PN
R3093	Residential	NCA02	26	39	38	36	21	41	30	32	18	37	29	36	23	-
R3094	Residential	NCA02	22	32	36	32	19	37	27	29	18	34	27	34	19	-
R3095	Residential	NCA02	30	**46**	43	42	25	**52**	37	38	24	42	37	**44**	27	PN
R3096	Residential	NCA02	32	40	**44**	41	27	**44**	38	39	27	**44**	36	43	29	-
R3097	Residential	NCA02	28	38	39	36	22	42	31	34	22	40	31	38	25	-
R3098	Residential	NCA02	32	**45**	**47**	**45**	29	**47**	39	40	28	**44**	39	**44**	29	-
R3099	Residential	NCA02	30	43	**48**	**44**	28	**48**	37	39	25	42	39	**46**	27	-
R3100	Residential	NCA02	28	43	**44**	41	26	**46**	33	35	24	40	36	42	25	-
R3101	Residential	NCA02	32	42	**44**	42	26	**45**	38	40	27	**44**	37	**44**	29	-
R3102	Residential	NCA02	41	**45**	**50**	**47**	33	**50**	**44**	**46**	34	**52**	43	**50**	38	PN
R3103	Residential	NCA02	32	42	42	40	25	**46**	38	40	27	**44**	37	**44**	29	-
R3104	Residential	NCA02	30	43	43	41	24	**48**	36	38	25	42	36	43	27	-
R3105	Residential	NCA02	40	**44**	**48**	**45**	31	**48**	41	43	32	**51**	41	**48**	37	PN
R3106	Residential	NCA02	31	**45**	**44**	40	25	**51**	37	38	25	43	37	**44**	28	PN
R3107	Residential	NCA02	32	**44**	**47**	43	29	**47**	37	39	25	43	38	43	29	-
R3108	Residential	NCA02	27	36	38	35	20	39	31	33	20	39	30	37	24	-
R3109	Residential	NCA02	28	38	41	37	22	**44**	31	33	20	39	33	39	25	-
R3110	Residential	NCA02	34	42	**47**	43	28	**47**	37	39	28	**46**	38	**44**	31	-
R3111	Residential	NCA02	36	**46**	**52**	**48**	33	**52**	42	**44**	31	**48**	43	**49**	33	PN
R3112	Residential	NCA02	28	**44**	43	40	24	**45**	34	36	24	40	35	42	25	-
R3113	Residential	NCA02	28	36	40	36	23	40	34	35	21	40	32	38	25	-
R3114	Residential	NCA02	25	41	40	37	21	**44**	26	28	17	36	31	38	22	-
R3115	Residential	NCA02	29	42	42	39	24	**45**	34	36	24	41	35	41	26	-
R3116	Residential	NCA02	26	37	38	35	21	41	29	31	19	36	32	39	23	-
R3117	Residential	NCA02	32	**45**	**49**	**46**	31	**49**	39	41	28	43	40	**47**	29	PN
R3118	Residential	NCA02	31	40	**44**	40	26	**44**	34	36	23	42	35	40	28	-
R3119	Residential	NCA02	35	**46**	**51**	**49**	34	**52**	41	43	31	**47**	42	**50**	32	PN
R3120	Residential	NCA02	37	**46**	**51**	**48**	34	**51**	36	38	27	**45**	43	**49**	34	PN
R3121	Residential	NCA02	39	43	**47**	**45**	29	**47**	41	43	32	**50**	42	**48**	36	PN
R3122	Residential	NCA02	36	**46**	**50**	**47**	32	**51**	42	**44**	32	**48**	41	**48**	33	PN
R3123	Residential	NCA02	33	42	**45**	43	29	**47**	36	38	27	**44**	38	43	30	-
R3124	Residential	NCA02	27	42	**45**	42	26	**46**	33	35	24	39	36	43	24	-
R3125	Residential	NCA02	33	42	**47**	43	28	**47**	36	39	28	**44**	38	43	30	-
R3126	Residential	NCA02	41	**45**	**48**	**46**	31	**48**	43	**46**	34	**52**	43	**50**	38	PN
R3127	Residential	NCA02	27	38	39	37	21	43	33	34	21	39	32	39	24	-
R3128	Residential	NCA02	38	43	**47**	**44**	29	**47**	41	43	32	**49**	40	**47**	35	PN
R3129	Residential	NCA02	28	38	39	37	22	42	33	35	21	40	32	39	25	-
R3130	Residential	NCA02	30	43	42	40	25	**51**	36	38	26	42	36	43	27	PN
R3131	Residential	NCA02	26	37	38	35	20	42	29	31	18	37	29	36	23	-
R3132	Residential	NCA02	35	**45**	**51**	**48**	34	**51**	41	43	32	**47**	42	**49**	32	PN
R3133	Residential	NCA02	31	**44**	43	41	25	**48**	36	38	24	43	36	43	28	-
R3134	Residential	NCA02	31	42	42	40	24	**48**	36	38	25	43	36	42	28	-
R3135	Residential	NCA02	26	36	38	36	21	41	31	33	20	38	30	37	23	-
R3136	Residential	NCA02	27	39	42	39	24	**44**	33	35	24	39	34	41	24	-
R3137	Residential	NCA02	36	**45**	**51**	**47**	33	**51**	41	43	32	**47**	42	**49**	33	PN
R3138	Residential	NCA02	28	43	42	41	24	**45**	34	36	25	40	35	42	25	-
R3139	Residential	NCA02	24	34	38	35	22	39	31	32	17	36	29	37	21	-
R3140	Residential	NCA02	29	40	**46**	42	28	**45**	32	33	20	41	36	42	26	-
R3141	Residential	NCA02	25	37	38	35	21	41	30	32	21	37	30	37	22	-
R3142	Residential	NCA02	38	**44**	**45**	**45**	28	**46**	42	**44**	33	**49**	41	**47**	35	PN

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3143	Residential	NCA02	32	40	**46**	43	30	**46**	35	38	25	**44**	37	43	29	-
R3144	Residential	NCA02	35	**45**	**49**	**45**	30	**48**	40	41	30	**46**	40	**46**	32	PN
R3145	Residential	NCA02	26	38	38	35	21	43	31	33	19	38	31	37	23	-
R3146	Residential	NCA02	26	32	33	31	16	37	26	28	16	36	27	33	23	-
R3147	Residential	NCA02	27	35	38	34	20	41	31	33	20	39	31	38	24	-
R3148	Residential	NCA02	37	42	**45**	**44**	27	**46**	41	42	32	**48**	40	**47**	34	-
R3149	Residential	NCA02	34	43	**45**	41	28	**45**	38	39	27	**45**	36	43	31	-
R3150	Residential	NCA02	27	38	38	35	21	43	33	34	21	39	32	37	24	-
R3151	Residential	NCA02	30	**46**	**46**	**44**	27	**52**	36	38	26	42	39	**45**	27	PN
R3152	Residential	NCA02	28	41	**45**	42	26	**47**	34	36	25	40	36	42	25	-
R3153	Residential	NCA02	35	**46**	**52**	**48**	34	**52**	41	42	30	**46**	43	**50**	32	PN
R3154	Residential	NCA02	33	43	43	41	25	**48**	38	40	28	**44**	37	43	30	-
R3155	Residential	NCA02	32	40	**46**	42	28	**46**	36	38	24	**44**	36	43	29	-
R3156	Residential	NCA02	30	37	40	37	23	40	35	37	24	42	34	41	27	-
R3157	Residential	NCA02	28	37	39	37	21	41	32	34	22	40	32	38	25	-
R3158	Residential	NCA02	30	**45**	**46**	43	26	**50**	36	38	26	42	38	**45**	27	PN
R3159	Residential	NCA02	37	43	**47**	**45**	29	**46**	42	**44**	33	**48**	40	**47**	34	-
R3160	Residential	NCA02	33	42	43	40	24	43	38	40	27	**45**	37	43	30	-
R3161	Residential	NCA02	34	**46**	**51**	**47**	34	**51**	39	41	30	**46**	42	**49**	31	PN
R3162	Residential	NCA02	31	40	**46**	42	29	**46**	37	37	24	43	37	41	28	-
R3163	Residential	NCA02	30	41	39	37	21	**46**	33	35	23	41	33	40	27	-
R3164	Residential	NCA02	37	43	**47**	43	30	**47**	40	42	31	**48**	39	**46**	34	-
R3165	Residential	NCA02	26	35	36	33	18	39	27	29	17	37	28	35	23	-
R3166	Residential	NCA02	33	**45**	**48**	**45**	30	**48**	38	41	27	**45**	40	**46**	30	-
R3167	Residential	NCA02	27	36	38	34	20	40	30	32	19	38	30	37	24	-
R3168	Residential	NCA02	23	37	38	35	21	42	28	30	19	36	29	36	20	-
R3169	Residential	NCA02	30	38	42	40	24	42	35	37	23	41	34	40	27	-
R3170	Residential	NCA02	24	38	41	37	23	**44**	29	31	18	36	32	39	21	-
R3171	Residential	NCA02	26	36	37	33	20	40	32	34	20	39	30	37	23	-
R3172	Residential	NCA02	24	34	37	33	19	38	29	31	18	36	31	38	21	-
R3173	Residential	NCA02	24	38	39	36	22	41	28	30	19	36	31	36	21	-
R3174	Residential	NCA02	23	36	37	34	20	39	27	29	17	35	29	35	20	-
R3175	Residential	NCA02	29	36	40	36	22	**44**	34	35	22	40	33	40	26	-
R3176	Residential	NCA02	30	39	40	37	24	43	35	37	24	42	34	41	27	-
R3177	Residential	NCA02	30	42	**48**	**44**	29	**48**	33	35	24	41	39	**46**	27	-
R3178	Residential	NCA02	33	**45**	**49**	**45**	31	**49**	39	40	28	**45**	40	**46**	30	PN
R3179	Residential	NCA02	29	43	**44**	43	26	**47**	35	36	25	41	36	43	26	-
R3180	Residential	NCA02	39	**44**	**49**	**46**	31	**49**	43	**45**	33	**50**	42	**49**	36	PN
R3181	Residential	NCA02	32	**44**	**50**	**47**	33	**50**	40	41	29	**44**	41	**46**	29	PN
R3182	Residential	NCA02	25	37	37	34	19	41	28	30	17	37	30	37	22	-
R3183	Residential	NCA02	24	36	37	34	20	41	26	28	17	35	30	37	21	-
R3184	Residential	NCA02	24	37	37	36	20	40	29	31	17	36	31	38	21	-
R3185	Residential	NCA02	26	37	38	35	21	41	31	33	22	38	31	37	23	-
R3186	Residential	NCA02	32	41	**44**	40	26	**44**	38	40	27	**44**	36	43	29	-
R3187	Residential	NCA02	26	34	36	33	19	39	31	33	19	38	30	36	23	-
R3188	Residential	NCA02	36	43	**47**	43	29	**47**	41	43	32	**49**	40	**46**	33	-
R3189	Residential	NCA02	31	41	43	40	25	**45**	37	39	23	42	38	42	28	-
R3190	Residential	NCA02	24	37	38	35	20	40	29	31	17	36	32	38	21	-
R3191	Residential	NCA02	33	42	**46**	42	29	**46**	39	41	28	**45**	38	**44**	30	-
R3192	Residential	NCA02	26	41	**44**	41	25	**47**	32	34	23	38	36	42	23	-
R3193	Residential	NCA02	36	41	**46**	42	29	**45**	39	41	31	**47**	38	**45**	33	-
R3194	Residential	NCA02	36	42	43	43	25	42	40	42	31	**48**	39	**46**	33	-
R3195	Residential	NCA02	26	37	38	36	20	43	31	33	19	38	32	38	23	-
R3196	Residential	NCA02	30	39	43	39	25	43	36	38	24	41	35	40	27	-
R3197	Residential	NCA02	26	35	37	35	19	40	31	33	22	38	31	37	23	-
R3198	Residential	NCA02	39	43	**49**	**45**	31	**49**	42	43	33	**50**	41	**49**	36	PN
R3199	Residential	NCA02	25	33	38	34	21	38	30	32	19	37	29	36	22	-
R3200	Residential	NCA02	28	38	39	37	21	41	32	34	22	40	34	40	25	-
R3201	Residential	NCA02	29	41	42	40	24	**46**	34	36	24	41	35	42	26	-
R3202	Residential	NCA02	32	42	**46**	43	27	**46**	38	40	28	**44**	38	43	29	-
R3203	Residential	NCA02	33	42	**45**	42	28	**45**	38	40	28	**45**	37	43	30	-
R3204	Residential	NCA02	38	43	**49**	**45**	31	**49**	41	**44**	32	**50**	40	**47**	35	PN
R3205	Residential	NCA02	27	42	**44**	42	26	**45**	33	35	24	39	36	42	24	-
R3206	Residential	NCA02	41	**45**	**49**	**46**	32	**49**	43	**45**	33	**52**	43	**50**	38	PN
R3207	Residential	NCA02	26	35	35	31	18	38	29	31	18	37	29	36	23	-
R3208	Residential	NCA02	24	36	37	34	20	39	30	32	18	36	30	37	21	-
R3209	Residential	NCA02	36	41	**44**	43	25	**44**	39	41	31	**48**	39	**46**	33	-
R3210	Residential	NCA02	34	**44**	**47**	**44**	29	**47**	37	39	29	**46**	38	**44**	31	-
R3211	Residential	NCA02	28	41	**44**	40	25	**44**	34	37	23	40	35	41	25	-
R3212	Residential	NCA02	26	41	**45**	42	26	**45**	31	32	20	38	37	43	23	-
R3213	Residential	NCA02	35	**44**	**49**	**45**	30	**49**	41	42	31	**47**	40	**46**	32	PN
R3214	Residential	NCA02	24	32	35	32	18	37	24	26	15	34	27	34	21	-
R3215	Residential	NCA02	25	39	42	38	20	43	31	32	19	37	33	37	22	-
R3216	Residential	NCA02	36	42	**48**	**44**	30	**48**	39	42	31	**48**	39	**46**	33	-
R3217	Residential	NCA02	28	42	42	40	24	**48**	32	34	20	39	36	43	25	-
R3218	Residential	NCA02	34	41	**46**	43	27	**46**	38	40	29	**46**	37	**44**	31	-
R3219	Residential	NCA02	28	37	40	37	21	41	33	35	23	40	34	41	25	-
R3220	Residential	NCA02	40	43	**49**	**45**	32	**49**	41	43	33	**52**	43	**49**	37	PN
R3221	Residential	NCA02	31	42	42	40	24	43	37	39	26	43	36	42	28	-
R3222	Residential	NCA02	28	35	38	35	21	39	33	34	21	40	31	39	25	-
R3223	Residential	NCA02	34	43	**45**	**44**	28	**47**	37	39	28	**45**	39	**46**	31	-
R3224	Residential	NCA02	30	**44**	**46**	43	27	**50**	36	38	26	42	38	**44**	27	PN
R3225	Residential	NCA02	28	43	43	41	24	**45**	34	35	24	40	34	40	25	-
R3226	Residential	NCA02	29	35	37	33	20	37	32	34	21	41	32	39	26	-
R3227	Residential	NCA02	26	37	37	34	19	40	31	34	20	37	30	36	23	-
R3228	Residential	NCA02	38	43	**48**	**45**	31	**48**	41	43	32	**49**	40	**46**	35	PN
R3229	Residential	NCA02	25	37	37	34	20	40	28	30	17	36	28	35	22	-
R3230	Residential	NCA02	36	42	**47**	**44**	30	**47**	39	41	31	**47**	38	**45**	33	-
R3231	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	39	41	29	**46**	40	**48**	32	PN
R3232	Residential	NCA02	30	42	42	41	24	**46**	35	37	23	41	37	42	27	-
R3233	Residential	NCA02	27	36	37	36	20	39	31	33	21	39	30	37	24	-
R3234	Residential	NCA02	34	40	**44**	41	26	**45**	37	39	29	**46**	37	**44**	31	-
R3235	Residential	NCA02	33	42	**45**	42	28	**46**	36	38	27	**45**	37	43	30	-
R3236	Residential	NCA02	33	43	**49**	**45**	30	**49**	39	40	29	**45**	39	**45**	30	PN
R3237	Residential	NCA02	25	33	35	32	18	39	26	29	15	35	27	34	22	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3238	Residential	NCA02	34	**44**	**49**	**46**	30	**49**	38	40	29	**46**	40	**47**	31	PN
R3239	Residential	NCA02	33	**44**	**47**	43	30	**47**	39	40	30	**45**	38	**45**	30	-
R3240	Residential	NCA02	36	40	**46**	43	29	**46**	38	40	30	**47**	38	**45**	33	-
R3241	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	40	42	31	**47**	41	**48**	32	PN
R3242	Residential	NCA02	27	34	37	34	20	41	32	34	21	40	31	38	24	-
R3243	Residential	NCA02	36	43	**48**	**45**	30	**47**	41	43	32	**48**	40	**47**	33	-
R3244	Residential	NCA02	34	43	**48**	**44**	30	**48**	38	40	29	**45**	39	**45**	31	-
R3245	Residential	NCA02	27	39	40	38	22	42	33	34	21	39	34	40	24	-
R3246	Residential	NCA02	24	30	33	30	16	35	25	29	14	36	27	34	21	-
R3247	Residential	NCA02	32	41	43	41	26	**44**	33	35	25	**44**	35	42	29	-
R3248	Residential	NCA02	35	41	**45**	43	27	**44**	40	42	31	**47**	38	**45**	32	-
R3249	Residential	NCA02	25	34	37	35	19	40	28	30	17	36	30	38	22	-
R3250	Residential	NCA02	33	43	**48**	**44**	30	**48**	37	39	25	**44**	39	**44**	30	-
R3251	Residential	NCA02	29	39	39	36	21	**44**	34	36	24	41	33	39	26	-
R3252	Residential	NCA02	31	42	42	40	25	**47**	36	38	25	42	35	41	28	-
R3253	Residential	NCA02	29	41	**46**	43	30	**47**	34	36	24	41	38	**45**	26	-
R3254	Residential	NCA02	36	42	43	**44**	25	42	40	42	31	**47**	39	**46**	33	-
R3255	Residential	NCA02	26	35	36	33	19	38	30	32	19	38	29	36	23	-
R3256	Residential	NCA02	27	37	39	36	21	40	32	34	23	39	31	38	24	-
R3257	Industrial	NCA02	36	44	49	47	31	49	40	42	30	47	41	46	33	-
R3258	Residential	NCA02	32	**44**	**46**	41	26	**46**	36	37	24	43	36	42	29	-
R3259	Residential	NCA02	27	38	39	36	21	40	30	33	20	39	31	37	24	-
R3260	Residential	NCA02	22	38	37	36	19	41	26	28	18	34	30	35	19	-
R3261	Residential	NCA02	28	39	39	37	22	**44**	33	35	22	40	33	40	25	-
R3262	Residential	NCA02	29	36	41	37	24	41	34	34	23	41	33	40	26	-
R3263	Residential	NCA02	33	42	**45**	41	28	**45**	38	40	28	**44**	37	**44**	30	-
R3264	Residential	NCA02	32	42	**45**	41	27	**44**	38	39	27	**44**	37	42	29	-
R3265	Residential	NCA02	28	41	42	40	24	**46**	32	34	22	40	35	42	25	-
R3266	Residential	NCA02	36	41	42	**44**	25	42	40	41	31	**47**	38	**45**	33	-
R3267	Residential	NCA02	26	35	37	35	19	39	31	33	20	39	30	37	23	-
R3268	Residential	NCA02	25	41	**46**	41	28	**46**	28	31	18	35	35	42	22	-
R3269	Residential	NCA02	26	36	37	37	20	37	31	33	21	38	31	38	23	-
R3270	Residential	NCA02	30	43	43	39	25	**48**	37	38	25	42	35	41	27	-
R3271	Residential	NCA02	28	39	41	39	23	43	34	36	24	40	35	43	25	-
R3272	Residential	NCA02	32	43	**44**	42	27	**45**	36	38	25	**44**	36	42	29	-
R3273	Residential	NCA02	24	33	36	32	19	38	27	29	15	35	26	34	21	-
R3274	Residential	NCA02	29	43	**45**	41	26	**50**	35	37	24	41	36	42	26	PN
R3275	Residential	NCA02	31	40	**44**	40	24	**44**	36	38	26	43	35	42	28	-
R3276	Residential	NCA02	23	29	33	29	17	35	25	27	16	35	26	33	20	-
R3277	Residential	NCA02	30	38	42	38	23	42	34	36	23	42	33	40	27	-
R3278	Residential	NCA02	26	37	38	36	21	40	32	34	22	38	31	38	23	-
R3279	Residential	NCA02	27	36	38	36	20	42	32	34	20	39	31	38	24	-
R3280	Residential	NCA02	22	35	36	34	19	38	29	31	16	34	29	35	19	-
R3281	Residential	NCA02	32	40	**44**	40	25	**44**	38	39	27	43	36	43	29	-
R3282	Residential	NCA02	26	37	37	34	19	41	30	32	19	37	29	35	23	-
R3283	Residential	NCA02	31	39	**45**	41	28	**45**	31	33	23	42	36	40	28	-
R3284	Residential	NCA02	37	42	**47**	**44**	26	**47**	40	42	31	**48**	39	**46**	34	-
R3285	Residential	NCA02	30	43	**44**	41	24	**47**	37	39	25	42	37	41	27	-
R3286	Residential	NCA02	32	41	**46**	42	27	**46**	37	39	26	43	37	**44**	29	-
R3287	Residential	NCA02	25	36	37	33	20	41	28	30	17	36	30	37	22	-
R3288	Residential	NCA02	29	38	**44**	40	27	**44**	32	35	20	41	34	40	26	-
R3289	Residential	NCA02	35	41	**46**	42	29	**46**	38	40	29	**46**	37	**44**	32	-
R3290	Residential	NCA02	25	38	36	36	19	41	29	31	17	37	28	35	22	-
R3291	Residential	NCA02	28	40	42	40	24	**44**	33	36	23	40	35	41	25	-
R3292	Residential	NCA02	27	38	42	38	21	42	33	35	22	40	35	42	24	-
R3293	Residential	NCA02	26	37	38	34	20	40	30	32	18	38	29	37	23	-
R3294	Residential	NCA02	24	34	35	32	18	38	28	30	16	36	27	34	21	-
R3295	Residential	NCA02	28	41	40	38	22	**48**	33	37	21	39	32	39	25	-
R3296	Residential	NCA02	23	32	35	32	18	37	26	28	16	35	28	35	20	-
R3297	Active recreation	NCA02	32	43	45	43	25	47	38	39	27	44	37	43	29	-
R3298	Residential	NCA02	38	43	**48**	**45**	31	**48**	41	43	32	**49**	40	**47**	35	PN
R3299	Residential	NCA02	28	39	40	38	21	43	34	36	23	40	34	40	25	-
R3300	Residential	NCA02	37	43	**49**	**45**	31	**49**	42	**44**	32	**49**	41	**48**	34	PN
R3301	Residential	NCA02	34	43	**49**	**45**	31	**49**	38	40	29	**45**	39	**45**	31	PN
R3302	Residential	NCA02	35	41	42	42	24	43	39	41	29	**46**	38	**45**	32	-
R3303	Residential	NCA02	36	42	**47**	**44**	30	**47**	40	42	31	**48**	39	**45**	33	-
R3304	Residential	NCA02	35	41	**47**	42	28	**46**	39	41	30	**46**	38	**45**	32	-
R3305	Residential	NCA02	28	39	40	36	22	43	34	36	22	40	33	40	25	-
R3306	Residential	NCA02	26	36	37	35	20	40	30	32	19	37	29	36	23	-
R3307	Residential	NCA02	37	41	**47**	**44**	29	**47**	39	42	31	**48**	39	**46**	34	-
R3308	Residential	NCA02	35	42	**48**	**44**	31	**48**	39	41	30	**46**	39	**46**	32	-
R3309	Residential	NCA02	32	42	**46**	43	26	**47**	37	39	27	43	37	43	29	-
R3310	Residential	NCA02	36	41	**46**	42	28	**46**	39	41	30	**47**	38	**45**	33	-
R3311	Residential	NCA02	34	40	**46**	42	28	**46**	39	41	30	**46**	38	**44**	31	-
R3312	Residential	NCA02	34	43	**47**	43	30	**47**	37	39	28	**46**	38	**45**	31	-
R3313	Residential	NCA02	26	41	40	39	22	**45**	30	32	19	38	31	37	23	-
R3314	Residential	NCA02	37	43	**49**	**45**	32	**49**	41	43	32	**48**	40	**47**	34	PN
R3315	Residential	NCA02	25	32	36	32	20	38	29	31	17	37	28	35	22	-
R3316	Residential	NCA02	27	39	42	38	23	42	33	35	22	40	33	40	24	-
R3317	Residential	NCA02	35	40	41	43	24	41	39	41	29	**46**	38	**44**	32	-
R3318	Residential	NCA02	34	41	**47**	43	29	**47**	39	41	29	**45**	38	**45**	31	-
R3319	Residential	NCA02	34	41	**47**	43	29	**47**	38	40	29	**46**	38	**44**	31	-
R3320	Residential	NCA02	30	**44**	**45**	43	26	**49**	35	37	26	41	38	**44**	27	PN
R3321	Residential	NCA02	27	42	**44**	41	26	**46**	33	35	24	39	35	42	24	-
R3322	Residential	NCA02	31	40	**45**	42	28	**45**	35	37	25	42	36	43	28	-
R3323	Residential	NCA02	28	39	40	37	21	43	33	35	21	40	33	40	25	-
R3324	Residential	NCA02	25	37	35	32	18	40	30	32	20	37	29	36	22	-
R3325	Residential	NCA02	33	39	42	38	24	**45**	35	37	26	**44**	35	42	30	-
R3326	Residential	NCA02	35	42	**49**	**44**	30	**48**	40	42	31	**47**	39	**46**	32	-
R3327	Residential	NCA02	34	41	**45**	41	28	**45**	36	38	27	**45**	37	43	31	-
R3328	Residential	NCA02	26	35	36	33	19	41	30	32	19	38	29	36	23	-
R3329	Residential	NCA02	26	32	34	30	17	38	26	28	17	37	28	35	23	-
R3330	Residential	NCA02	27	35	37	35	20	41	32	32	21	40	31	38	24	-
R3331	Residential	NCA02	39	42	**48**	**44**	29	**48**	40	42	32	**49**	41	**48**	36	PN
R3332	Residential	NCA02	23	35	36	33	18	38	27	29	15	35	27	34	20	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3333	Residential	NCA02	27	33	35	33	17	35	32	34	21	39	30	37	24	-
R3334	Residential	NCA02	32	42	**47**	43	29	**47**	37	39	26	**44**	38	**45**	29	-
R3335	Residential	NCA02	32	42	**46**	42	26	**46**	37	39	27	43	37	43	29	-
R3336	Residential	NCA02	33	42	**49**	**45**	30	**49**	35	37	27	**44**	40	42	30	PN
R3337	Residential	NCA02	25	32	35	32	18	37	29	31	19	37	28	35	22	-
R3338	Residential	NCA02	28	38	40	36	21	**44**	33	35	21	40	32	39	25	-
R3339	Industrial	NCA02	34	43	48	44	29	48	39	40	29	46	40	45	31	-
R3340	Residential	NCA02	32	41	**47**	**44**	29	**47**	37	39	26	**44**	38	**44**	29	-
R3341	Residential	NCA02	27	41	**44**	41	25	**46**	33	35	23	39	35	42	24	-
R3342	Residential	NCA02	27	39	42	38	24	**44**	33	35	20	38	33	40	24	-
R3343	Residential	NCA02	28	40	41	38	22	**44**	34	35	23	40	34	41	25	-
R3344	Residential	NCA02	31	39	43	40	26	43	34	36	24	42	34	41	28	-
R3345	Residential	NCA02	25	34	35	31	17	40	30	32	20	37	29	36	22	-
R3346	Residential	NCA02	34	42	**46**	43	27	**47**	38	40	29	**46**	38	**44**	31	-
R3347	Residential	NCA02	33	39	41	38	24	41	36	38	28	**45**	36	43	30	-
R3348	Residential	NCA02	32	41	**44**	41	26	**45**	37	39	26	**44**	36	42	29	-
R3349	Residential	NCA02	31	38	43	39	26	43	33	35	24	42	34	40	28	-
R3350	Residential	NCA02	37	42	**46**	**44**	28	**46**	40	42	31	**48**	39	**46**	34	-
R3351	Residential	NCA02	31	38	43	40	27	43	34	36	25	42	34	41	28	-
R3352	Residential	NCA02	37	42	**48**	**44**	30	**48**	40	42	31	**48**	39	**46**	34	-
R3353	Residential	NCA02	27	35	37	35	19	40	31	33	19	39	30	37	24	-
R3354	Residential	NCA02	22	33	36	33	19	39	29	31	16	34	29	35	19	-
R3355	Residential	NCA02	28	38	41	40	21	43	33	35	23	40	35	41	25	-
R3356	Residential	NCA02	31	42	**45**	41	25	**45**	37	38	27	43	36	43	28	-
R3357	Residential	NCA02	28	40	39	36	21	**46**	34	36	23	40	33	39	25	-
R3358	Residential	NCA02	34	40	**45**	41	28	**45**	38	40	30	**46**	37	**44**	31	-
R3359	Residential	NCA02	34	40	**46**	42	29	**46**	38	40	30	**46**	37	**44**	31	-
R3360	Residential	NCA02	34	40	**46**	42	29	**46**	37	39	29	**46**	37	**44**	31	-
R3361	Residential	NCA02	26	34	36	34	19	39	30	32	19	37	29	36	23	-
R3362	Residential	NCA02	29	41	40	38	22	**44**	34	36	24	41	33	39	26	-
R3363	Residential	NCA02	26	34	37	34	20	40	31	33	18	38	30	37	23	-
R3364	Residential	NCA02	34	40	**46**	42	27	**46**	38	40	29	**46**	37	**44**	31	-
R3365	Residential	NCA02	27	37	38	37	20	41	29	31	19	39	32	39	24	-
R3366	Residential	NCA02	34	41	**45**	42	28	**45**	39	41	30	**46**	38	**44**	31	-
R3367	Residential	NCA02	29	38	41	38	24	41	35	37	23	41	33	40	26	-
R3368	Residential	NCA02	34	40	**45**	41	27	**45**	38	40	30	**46**	37	**44**	31	-
R3369	Residential	NCA02	25	36	39	35	20	39	30	32	18	36	31	38	22	-
R3370	Residential	NCA02	25	34	38	35	18	39	29	31	18	37	30	37	22	-
R3371	Residential	NCA02	28	36	38	35	20	42	31	33	19	40	31	38	25	-
R3372	Residential	NCA02	27	40	40	38	21	42	32	34	23	39	32	38	24	-
R3373	Residential	NCA02	34	39	42	40	25	**44**	36	39	28	**46**	37	43	31	-
R3374	Residential	NCA02	33	40	**45**	41	28	**45**	36	38	28	**44**	36	42	30	-
R3375	Residential	NCA02	25	35	36	34	18	39	31	33	19	37	29	35	22	-
R3376	Residential	NCA02	27	33	36	33	19	38	31	33	19	39	30	37	24	-
R3377	Residential	NCA02	28	38	39	36	21	**44**	32	34	21	40	32	39	25	-
R3378	Residential	NCA02	36	42	**48**	**44**	31	**48**	39	41	30	**47**	39	**45**	33	-
R3379	Residential	NCA02	26	35	36	33	19	39	29	31	18	36	29	36	23	-
R3380	Residential	NCA02	28	38	39	36	21	41	34	36	22	40	33	39	25	-
R3381	Residential	NCA02	31	40	**46**	42	26	**46**	33	35	24	42	37	42	28	-
R3382	Residential	NCA02	34	40	**44**	41	27	**44**	38	40	29	**45**	37	**44**	31	-
R3383	Residential	NCA02	31	38	41	38	23	42	34	36	26	43	34	41	28	-
R3384	Residential	NCA02	35	42	**48**	**44**	31	**48**	40	42	31	**47**	39	**45**	32	-
R3385	Residential	NCA02	20	32	33	30	17	38	23	25	14	32	24	31	17	-
R3386	Residential	NCA02	27	35	37	33	20	40	33	35	22	39	32	37	24	-
R3387	Residential	NCA02	38	43	**47**	**44**	30	**47**	41	42	31	**48**	41	**47**	35	-
R3388	Residential	NCA02	32	41	**47**	43	29	**47**	37	39	27	**44**	37	43	29	-
R3389	Residential	NCA02	25	34	36	32	19	42	27	29	16	37	27	34	22	-
R3390	Residential	NCA02	34	41	**47**	43	28	**47**	38	40	30	**45**	38	**44**	31	-
R3391	Residential	NCA02	20	32	36	34	19	37	27	29	15	32	29	36	17	-
R3392	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	42	37	42	28	-
R3393	Residential	NCA02	23	32	34	31	16	37	28	30	16	35	27	34	20	-
R3394	Residential	NCA02	31	41	43	42	24	**44**	35	37	24	42	37	42	28	-
R3395	Residential	NCA02	26	39	37	33	19	**44**	30	32	19	38	29	36	23	-
R3396	Residential	NCA02	36	42	**48**	**44**	30	**48**	40	42	31	**48**	39	**45**	33	-
R3397	Residential	NCA02	32	40	**45**	41	28	**46**	36	39	27	43	36	42	29	-
R3398	Residential	NCA02	32	41	**46**	42	29	**46**	35	37	24	43	36	43	29	-
R3399	Residential	NCA02	37	42	**48**	**44**	31	**48**	40	42	31	**48**	39	**46**	34	-
R3400	Residential	NCA02	38	42	**46**	**44**	28	**47**	40	42	31	**49**	40	**46**	35	PN
R3401	Residential	NCA02	31	41	**44**	40	25	**44**	37	38	27	42	36	42	28	-
R3402	Residential	NCA02	30	38	42	39	23	42	35	36	26	42	34	40	27	-
R3403	Residential	NCA02	32	40	**45**	41	28	**45**	35	37	25	43	36	43	29	-
R3404	Residential	NCA02	28	39	40	38	20	43	33	35	23	40	34	41	25	-
R3405	Residential	NCA02	33	40	**44**	41	26	**44**	37	39	29	**45**	36	43	30	-
R3406	Residential	NCA02	32	42	**46**	42	28	**46**	36	37	27	43	37	**44**	29	-
R3407	Residential	NCA02	34	41	**47**	43	29	**47**	38	41	30	**45**	38	**45**	31	-
R3408	Residential	NCA02	27	36	38	35	19	41	30	32	19	38	30	37	24	-
R3409	Residential	NCA02	29	38	38	35	21	38	34	36	23	41	32	39	26	-
R3410	Residential	NCA02	28	40	39	38	21	43	34	35	22	40	33	40	25	-
R3411	Residential	NCA02	32	43	**46**	43	29	**46**	37	39	25	43	38	42	29	-
R3412	Residential	NCA02	38	42	**48**	**44**	31	**48**	40	42	31	**49**	40	**47**	35	PN
R3413	Industrial	NCA02	32	41	45	41	26	45	35	38	27	44	35	44	29	-
R3414	Residential	NCA02	32	42	**47**	41	27	**45**	35	37	26	**44**	36	42	29	-
R3415	Residential	NCA02	26	36	37	34	19	41	30	32	19	38	29	36	23	-
R3416	Residential	NCA02	35	41	**47**	43	30	**47**	39	41	30	**46**	38	**44**	32	-
R3417	Residential	NCA02	30	41	**44**	42	26	**44**	36	38	27	42	36	43	27	-
R3418	Residential	NCA02	31	42	**44**	41	25	**44**	33	35	22	42	36	41	28	-
R3419	Residential	NCA02	29	41	43	41	23	**46**	35	37	25	41	36	43	26	-
R3420	Residential	NCA02	25	34	35	31	18	39	31	33	21	39	30	37	22	-
R3421	Residential	NCA02	37	42	**47**	**44**	30	**47**	41	43	31	**48**	40	**47**	34	-
R3422	Residential	NCA02	33	39	43	39	25	41	37	39	29	**45**	36	43	30	-
R3423	Residential	NCA02	25	34	35	32	18	37	27	29	16	37	28	35	22	-
R3424	Residential	NCA02	28	41	**44**	40	23	**46**	34	36	24	40	36	43	25	-
R3425	Residential	NCA02	30	36	39	36	21	40	35	36	25	42	34	40	27	-
R3426	Residential	NCA02	33	41	**46**	42	29	**46**	35	37	26	**44**	36	42	30	-
R3427	Residential	NCA02	27	40	38	35	20	**44**	32	35	20	38	32	38	24	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3428	Residential	NCA02	34	42	**46**	43	29	**46**	38	40	29	**46**	38	**44**	31	-
R3429	Residential	NCA02	29	34	36	34	19	38	32	34	22	41	32	39	26	-
R3430	Residential	NCA02	39	42	**47**	**45**	30	**47**	41	43	31	**50**	41	**48**	36	PN
R3431	Residential	NCA02	29	34	36	33	18	38	32	34	22	40	31	38	26	-
R3432	Residential	NCA02	35	42	**45**	43	25	**44**	40	42	30	**46**	38	**45**	32	-
R3433	Residential	NCA02	32	40	41	39	24	41	33	35	25	42	33	40	29	-
R3434	Residential	NCA02	30	38	41	38	25	41	34	36	24	42	33	40	27	-
R3435	Residential	NCA02	28	37	40	36	21	43	33	35	20	40	32	39	25	-
R3436	Residential	NCA02	37	42	**48**	**44**	31	**48**	40	42	31	**48**	39	**46**	34	-
R3437	Residential	NCA02	24	34	36	33	19	41	30	32	18	36	29	35	21	-
R3438	Residential	NCA02	35	41	**47**	43	29	**47**	39	41	30	**47**	38	**45**	32	-
R3439	Residential	NCA02	28	38	41	39	21	43	33	35	24	40	34	42	25	-
R3440	Residential	NCA02	26	36	38	34	21	39	26	28	18	37	30	38	23	-
R3441	Residential	NCA02	27	42	42	38	23	**45**	32	34	20	39	34	42	24	-
R3442	Residential	NCA02	27	35	37	36	19	40	32	34	19	39	31	38	24	-
R3443	Residential	NCA02	28	36	40	36	21	41	33	35	21	40	32	39	25	-
R3444	Residential	NCA02	29	40	43	39	25	**45**	34	36	23	40	35	41	26	-
R3445	Residential	NCA02	35	41	**45**	43	29	**46**	40	42	30	**47**	39	**45**	32	-
R3446	Residential	NCA02	26	38	43	39	26	43	28	29	19	38	34	37	23	-
R3447	Residential	NCA02	27	34	37	34	20	39	31	33	20	39	31	38	24	-
R3448	Residential	NCA02	32	41	**45**	42	25	**45**	36	38	27	**44**	37	42	29	-
R3449	Residential	NCA02	25	38	39	38	21	**44**	33	33	21	38	33	40	22	-
R3450	Residential	NCA02	33	41	**46**	42	28	**46**	37	39	28	**44**	37	**44**	30	-
R3451	Residential	NCA02	29	35	41	37	24	41	31	33	23	40	32	39	26	-
R3452	Residential	NCA02	34	40	**46**	42	29	**46**	38	40	29	**46**	37	**44**	31	-
R3453	Residential	NCA02	26	40	40	38	22	**44**	31	33	19	38	34	41	23	-
R3454	Residential	NCA02	37	41	**44**	41	26	**44**	38	40	28	**49**	40	**46**	34	-
R3455	Residential	NCA02	23	28	32	29	16	33	25	27	15	33	24	31	20	-
R3456	Residential	NCA02	26	35	36	32	19	39	29	31	18	37	29	36	23	-
R3457	Residential	NCA02	34	40	**46**	42	27	**46**	38	40	29	**45**	37	43	31	-
R3458	Residential	NCA02	28	37	38	35	19	40	32	34	19	40	31	38	25	-
R3459	Residential	NCA02	34	41	**47**	43	30	**47**	38	39	29	**45**	38	**44**	31	-
R3460	Residential	NCA02	30	38	41	38	24	43	36	38	25	42	33	40	27	-
R3461	Residential	NCA02	30	37	39	37	22	41	36	37	24	42	35	41	27	-
R3462	Residential	NCA02	24	36	35	31	18	38	27	29	17	36	27	34	21	-
R3463	Residential	NCA02	19	31	35	32	18	37	24	26	13	31	26	33	16	-
R3464	Residential	NCA02	28	37	37	35	20	41	33	35	22	40	32	39	25	-
R3465	Residential	NCA02	23	40	40	37	21	**45**	31	33	17	35	33	40	20	-
R3466	Residential	NCA02	37	42	**48**	43	30	**48**	40	42	30	**49**	40	**47**	34	PN
R3467	Residential	NCA02	31	40	**45**	41	27	**45**	35	37	27	42	35	42	28	-
R3468	Residential	NCA02	35	42	**47**	43	29	**47**	38	41	30	**47**	38	**45**	32	-
R3469	Residential	NCA02	35	40	**47**	42	29	**46**	38	40	29	**46**	37	**44**	32	-
R3470	Residential	NCA02	31	40	**44**	41	27	**44**	35	37	26	43	36	41	28	-
R3471	Residential	NCA02	34	42	**48**	**44**	31	**48**	39	41	31	**46**	38	**45**	31	-
R3472	Residential	NCA02	23	38	37	34	19	**44**	28	30	16	34	29	35	20	-
R3473	Residential	NCA02	29	37	40	36	21	43	34	36	23	41	33	39	26	-
R3474	Residential	NCA02	22	31	34	31	17	36	26	28	16	34	27	33	19	-
R3475	Residential	NCA02	37	41	**44**	42	25	**44**	38	40	27	**48**	39	**46**	34	-
R3476	Residential	NCA02	27	40	**47**	43	29	**47**	32	34	22	40	36	39	24	-
R3477	Residential	NCA02	26	32	35	32	18	35	31	33	20	38	30	36	23	-
R3478	Residential	NCA02	34	41	**46**	43	27	**46**	38	40	29	**46**	37	**44**	31	-
R3479	Residential	NCA02	20	28	32	28	15	33	22	24	12	31	23	30	17	-
R3480	Residential	NCA02	31	40	**45**	41	27	**45**	36	37	26	43	35	42	28	-
R3481	Residential	NCA02	35	41	**46**	42	29	**46**	40	41	30	**46**	38	**45**	32	-
R3482	Residential	NCA02	37	42	**47**	**44**	30	**47**	41	42	30	**48**	40	**46**	34	-
R3483	Residential	NCA02	34	40	**45**	41	25	**45**	36	38	28	**45**	36	43	31	-
R3484	Residential	NCA02	35	41	**46**	42	29	**46**	38	40	29	**46**	37	**45**	32	-
R3485	Residential	NCA02	29	38	40	38	21	**44**	34	36	23	41	33	40	26	-
R3486	Residential	NCA02	33	40	**45**	41	25	**45**	36	38	28	**44**	36	43	30	-
R3487	Industrial	NCA02	32	40	47	43	26	47	36	38	27	44	37	44	29	-
R3488	Residential	NCA02	31	38	43	40	26	43	34	36	24	43	34	41	28	-
R3489	Residential	NCA02	30	41	43	40	26	**44**	36	38	25	42	37	42	27	-
R3490	Residential	NCA02	22	32	34	31	17	37	26	28	16	34	26	32	19	-
R3491	Residential	NCA02	29	38	38	37	20	43	34	36	23	41	34	40	26	-
R3492	Residential	NCA02	28	41	38	36	20	**46**	33	35	23	40	33	39	25	-
R3493	Residential	NCA02	29	37	40	37	21	41	33	35	22	41	32	39	26	-
R3494	Residential	NCA02	36	42	**47**	43	30	**47**	39	41	31	**47**	39	**46**	33	-
R3495	Residential	NCA02	28	36	36	33	19	41	33	35	22	40	32	39	25	-
R3496	Residential	NCA02	34	40	**46**	42	27	**46**	38	39	29	**46**	37	43	31	-
R3497	Residential	NCA02	27	37	38	34	19	43	32	34	21	39	31	38	24	-
R3498	Residential	NCA02	33	37	40	37	22	41	31	33	23	**44**	35	41	30	-
R3499	Residential	NCA02	32	41	**47**	43	30	**47**	34	36	26	43	38	**45**	29	-
R3500	Residential	NCA02	28	34	36	33	19	37	32	34	20	40	31	38	25	-
R3501	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	43	37	42	28	-
R3502	Residential	NCA02	27	34	37	34	18	39	33	34	21	39	31	38	24	-
R3503	Residential	NCA02	38	42	**47**	**44**	30	**47**	41	43	31	**49**	40	**47**	35	PN
R3504	Residential	NCA02	32	42	**44**	41	26	**44**	36	38	27	**44**	36	42	29	-
R3505	Residential	NCA02	30	39	42	39	24	42	35	37	26	42	34	41	27	-
R3506	Residential	NCA02	28	38	38	34	19	38	32	33	22	40	31	37	25	-
R3507	Residential	NCA02	38	42	**47**	43	30	**47**	40	42	31	**49**	40	**47**	35	PN
R3508	Residential	NCA02	26	34	36	33	18	39	31	33	18	38	30	37	23	-
R3509	Residential	NCA02	29	40	**45**	41	27	**44**	36	36	24	40	35	42	26	-
R3510	Residential	NCA02	28	38	39	36	19	**45**	34	36	23	40	33	39	25	-
R3511	Residential	NCA02	29	36	40	35	20	40	34	36	23	41	33	39	26	-
R3512	Residential	NCA02	26	35	37	33	19	39	32	34	21	39	31	38	23	-
R3513	Residential	NCA02	32	39	43	41	26	**44**	37	39	29	**44**	36	43	29	-
R3514	Residential	NCA02	24	32	34	32	16	36	28	30	16	36	28	35	21	-
R3515	Residential	NCA02	27	35	37	34	19	40	30	32	19	38	30	36	24	-
R3516	Residential	NCA02	27	34	37	34	18	38	32	34	22	39	31	37	24	-
R3517	Residential	NCA02	33	39	41	41	24	42	37	39	28	**44**	36	43	30	-
R3518	Residential	NCA02	22	32	35	31	15	35	23	25	14	34	26	32	19	-
R3519	Residential	NCA02	31	42	**47**	42	29	**47**	36	38	26	43	38	43	28	-
R3520	Residential	NCA02	33	39	43	41	26	43	37	39	29	**45**	36	43	30	-
R3521	Residential	NCA02	30	40	43	39	24	43	35	37	24	42	34	41	27	-
R3522	Residential	NCA02	27	33	34	32	17	38	31	33	22	39	30	37	24	-

Predicted construction noise levels: OOHW Period 1 (Evening)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R3523	Residential	NCA02	29	36	42	38	25	42	29	31	20	41	32	38	26	-
R3524	Residential	NCA02	27	33	35	32	18	41	31	33	19	38	29	36	24	-
R3525	Residential	NCA02	30	39	41	40	21	41	34	36	23	41	35	41	27	-
R3526	Residential	NCA02	31	41	43	39	25	**44**	35	37	27	43	35	42	28	-
R3527	Residential	NCA02	32	38	43	39	26	42	36	38	27	43	35	42	29	-
R3528	Residential	NCA02	29	37	41	37	24	41	34	34	22	41	32	39	26	-
R3529	Residential	NCA02	29	37	40	38	24	40	34	35	23	40	32	39	26	-
R3530	Residential	NCA02	32	41	**45**	41	27	**45**	37	39	27	**44**	36	42	29	-
R3531	Residential	NCA02	29	38	40	38	23	42	35	37	26	41	33	40	26	-
R3532	Residential	NCA02	35	41	**47**	42	29	**46**	39	41	30	**47**	38	**45**	32	-
R3533	Residential	NCA02	23	35	36	32	19	41	28	30	17	35	27	34	20	-
R3534	Residential	NCA02	30	40	**44**	41	26	**44**	36	37	24	42	35	41	27	-
R3535	Residential	NCA02	32	39	**44**	40	26	**45**	34	36	26	43	35	41	29	-
R3536	Residential	NCA02	28	40	40	38	22	**45**	34	36	22	40	34	40	25	-
R3537	Residential	NCA02	32	38	41	38	24	41	36	38	26	43	35	41	29	-
R3538	Residential	NCA02	28	37	42	39	25	42	25	26	16	40	34	40	25	-
R3539	Residential	NCA02	33	41	**46**	40	27	**46**	37	39	27	**44**	36	42	30	-
R3540	Residential	NCA02	26	34	36	35	20	38	31	33	19	38	30	35	23	-
R3541	Residential	NCA02	35	40	43	39	23	43	35	37	26	**46**	37	43	32	-
R3542	Residential	NCA02	26	37	37	34	19	41	31	33	20	38	30	36	23	-
R3543	Residential	NCA02	28	41	**45**	41	27	**45**	34	36	23	40	37	43	25	-
R3544	Residential	NCA02	29	37	42	36	22	39	33	36	22	40	32	39	26	-
R3545	Residential	NCA02	27	40	43	40	24	43	35	37	25	39	36	42	24	-
R3546	Residential	NCA02	25	34	35	32	17	38	29	31	17	36	28	35	22	-
R3547	Residential	NCA02	27	35	36	35	18	38	31	33	20	38	31	37	24	-
R3548	Industrial	NCA02	29	42	48	44	28	48	31	33	23	40	39	43	26	-
R3549	Residential	NCA02	27	35	34	32	17	42	32	34	21	39	31	37	24	-
R3550	Residential	NCA02	30	35	39	37	20	39	33	35	24	42	33	40	27	-
R3551	Residential	NCA02	27	36	42	38	21	42	32	34	22	39	30	40	24	-
R3552	Residential	NCA02	31	37	41	38	23	41	36	38	25	42	35	40	28	-
R3553	Residential	NCA02	30	39	43	39	24	43	35	37	25	42	34	41	27	-
R3554	Residential	NCA02	24	33	34	31	16	34	31	33	22	36	30	37	21	-
R3555	Residential	NCA02	29	37	42	38	24	41	34	36	23	40	33	39	26	-
R3556	Residential	NCA02	32	39	41	40	23	41	35	37	26	**44**	36	42	29	-
R3557	Residential	NCA02	31	38	**44**	40	25	**44**	36	38	27	43	35	42	28	-
R3558	Residential	NCA02	26	37	36	34	18	40	30	31	19	37	28	35	23	-
R3559	Residential	NCA02	28	34	35	31	18	35	31	33	21	40	31	38	25	-
R3560	Residential	NCA02	28	35	36	34	20	38	32	35	24	40	31	38	25	-
R3561	Residential	NCA02	34	39	43	40	26	43	38	40	29	**46**	37	**44**	31	-
R3562	Residential	NCA02	26	37	37	34	19	42	33	35	21	37	31	37	23	-
R3563	Residential	NCA02	31	40	43	40	26	43	34	37	25	42	36	41	28	-
R3564	Residential	NCA02	29	40	38	38	21	43	34	36	24	40	34	41	26	-
R3565	Residential	NCA02	31	40	**45**	41	27	**45**	34	36	25	43	36	41	28	-
R3566	Residential	NCA02	27	34	34	33	18	35	32	34	22	39	31	38	24	-
R3567	Residential	NCA02	32	39	**44**	40	26	**44**	37	39	28	**44**	36	43	29	-
R3568	Residential	NCA02	31	39	43	39	26	43	32	35	25	43	34	41	28	-
R3569	Residential	NCA02	31	36	38	34	21	37	31	33	24	42	33	40	28	-
R3570	Residential	NCA02	31	37	43	39	25	43	35	37	26	43	34	41	28	-
R3571	Residential	NCA02	29	34	36	35	19	36	32	35	22	40	32	39	26	-
R3572	Residential	NCA02	29	39	42	40	23	43	35	36	25	41	35	41	26	-
R3573	Residential	NCA02	32	40	**45**	41	27	**45**	36	38	27	43	35	42	29	-
R3574	Residential	NCA02	26	32	34	33	17	38	30	31	21	37	29	35	23	-
R3575	Residential	NCA02	28	35	35	37	18	36	33	35	24	40	32	39	25	-
R3576	Residential	NCA02	19	30	33	30	16	35	23	25	14	30	24	31	16	-
R3577	Residential	NCA02	30	36	38	34	21	38	32	34	24	42	33	40	27	-
R3578	Residential	NCA02	31	37	43	39	24	43	34	36	25	43	34	41	28	-
R3579	Residential	NCA02	33	39	**45**	41	23	**45**	37	39	28	**44**	36	43	30	-
R3580	Residential	NCA02	28	34	38	34	19	38	31	32	21	40	31	38	25	-
R3581	Residential	NCA02	28	39	40	37	22	**44**	33	35	22	40	32	39	25	-
R3582	Residential	NCA02	29	39	40	38	22	**44**	35	37	25	41	34	40	26	-
R3583	Residential	NCA02	30	36	42	39	25	42	31	33	21	41	33	39	27	-
R3584	Residential	NCA02	30	40	43	41	25	43	34	36	25	41	36	43	27	-
R3585	Residential	NCA02	31	37	43	39	25	43	35	37	26	42	34	41	28	-
R3586	Residential	NCA02	31	37	37	33	19	37	31	33	23	43	34	41	28	-
R3587	Residential	NCA02	29	35	38	34	21	38	28	29	19	41	32	39	26	-
R3588	Residential	NCA02	31	40	**46**	42	28	**46**	35	37	27	43	37	41	28	-
R3589	Residential	NCA02	29	36	42	38	22	42	33	35	24	41	32	39	26	-
R3590	Residential	NCA02	27	38	40	36	23	40	32	34	23	39	31	37	24	-
R3591	Residential	NCA02	31	41	**46**	42	28	**46**	35	37	26	43	36	42	28	-
R3592	Residential	NCA02	31	40	**45**	41	27	**45**	34	36	26	42	35	42	28	-
R3593	Residential	NCA02	29	40	**45**	41	25	**45**	35	36	25	41	36	43	26	-
R3594	Residential	NCA02	30	41	**46**	42	28	**46**	36	37	27	42	36	42	27	-
R3595	Residential	NCA02	33	40	**44**	41	26	**44**	37	39	29	**45**	37	43	30	-
R3596	Residential	NCA02	29	34	38	34	18	40	33	33	22	40	31	38	26	-
R3597	Residential	NCA02	31	37	43	39	25	43	33	35	25	42	34	40	28	-
R3598	Residential	NCA02	21	40	**44**	41	27	**44**	24	25	14	33	36	41	18	-
R3599	Residential	NCA02	28	37	39	36	22	39	29	31	19	39	32	39	25	-
R3600	Residential	NCA02	28	35	39	35	19	39	33	33	22	40	31	38	25	-
R3601	Residential	NCA02	30	38	43	39	25	43	35	37	25	42	35	40	27	-
R3602	Residential	NCA02	32	39	**44**	40	26	**44**	36	38	28	43	35	42	29	-
R3603	Residential	NCA02	29	36	40	37	22	40	33	33	21	40	33	38	26	-
R3604	Residential	NCA02	28	37	42	37	23	42	34	36	23	39	32	38	25	-
R3605	Residential	NCA02	30	39	42	39	24	43	34	36	25	42	33	40	27	-
R3606	Residential	NCA02	29	37	40	36	22	39	32	35	23	41	32	39	26	-
R3607	Residential	NCA02	29	37	42	38	24	42	32	34	23	40	33	39	26	-
R3608	Residential	NCA02	28	36	39	37	22	39	33	35	23	40	32	38	25	-
R3609	Residential	NCA02	29	35	39	36	23	40	32	34	24	41	32	39	26	-
R3610	Residential	NCA02	28	38	42	39	24	42	33	35	24	40	33	39	25	-
R3611	Residential	NCA02	28	38	40	39	22	41	32	34	23	40	34	38	25	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0001	Residential	NCA03	31	**40**	**41**	37	21	**41**	34	36	24	**46**	**38**	**46**	28	PN, V
R0002	Residential	NCA03	34	**38**	**42**	**38**	24	**42**	34	36	25	**42**	37	**44**	31	PN, V
R0003	Residential	NCA03	32	**39**	**42**	**38**	24	**42**	35	37	25	**46**	37	**44**	29	PN, V
R0004	Residential	NCA03	32	**38**	**42**	**38**	23	**42**	35	36	25	**45**	**38**	**44**	29	PN, V
R0005	Residential	NCA03	35	**40**	**42**	**38**	23	**41**	35	37	25	**46**	**39**	**46**	32	PN, V
R0006	Residential	NCA03	32	**39**	**42**	**38**	23	**42**	34	36	25	**44**	**38**	**45**	29	PN, V
R0007	Residential	NCA03	31	**40**	**41**	**38**	23	**42**	34	36	25	**44**	**38**	**45**	28	PN, V
R0008	Residential	NCA03	30	**40**	**42**	**38**	23	**42**	35	36	25	**44**	**39**	**45**	27	PN, V
R0009	Residential	NCA03	32	**41**	**42**	**38**	23	**42**	34	36	25	**44**	**40**	**46**	29	PN, V
R0010	Residential	NCA03	31	**40**	**42**	**38**	24	**42**	34	37	25	**45**	**39**	**45**	28	PN, V
R0011	Residential	NCA03	34	**39**	**43**	**39**	25	**43**	36	**38**	27	**45**	**38**	**44**	31	PN, V
R0012	Residential	NCA03	29	**41**	**42**	**38**	24	**42**	35	36	25	**45**	**39**	**46**	26	PN, V
R0013	Residential	NCA03	29	**39**	**42**	**38**	23	**42**	34	36	25	**39**	37	**44**	26	PN, V
R0014	Residential	NCA03	33	**40**	**43**	**39**	25	**43**	36	**38**	27	**44**	37	**44**	30	PN, V
R0015	Residential	NCA03	30	**40**	**42**	**38**	23	**42**	34	36	24	**45**	**39**	**46**	27	PN, V
R0016	Residential	NCA03	36	**42**	**43**	**39**	24	**43**	36	**38**	26	**46**	**40**	**46**	33	PN, V
R0017	Residential	NCA03	34	**38**	**42**	**38**	24	**42**	35	36	25	**43**	35	**42**	31	PN, V
R0018	Residential	NCA03	33	**41**	**42**	**38**	24	**42**	35	36	25	**45**	**40**	**47**	30	PN, V
R0019	Residential	NCA03	33	**39**	**43**	**39**	25	**43**	35	37	27	**44**	37	**44**	30	PN, V
R0020	Residential	NCA03	30	**39**	**42**	**38**	22	**42**	34	36	26	**42**	**38**	**45**	27	PN, V
R0021	Residential	NCA03	32	**41**	**43**	**39**	25	**42**	35	37	25	**45**	**38**	**44**	29	PN, V
R0022	Residential	NCA03	34	**42**	**41**	**38**	23	**41**	34	36	25	**47**	**40**	**47**	31	PN, V
R0023	Residential	NCA03	33	**39**	**43**	**39**	25	**43**	36	**38**	27	**44**	37	**43**	30	PN, V
R0024	Residential	NCA03	34	**41**	**42**	**38**	25	**42**	34	36	26	**47**	**40**	**47**	31	PN, V
R0025	Residential	NCA03	32	**42**	**43**	**39**	24	**43**	35	37	26	**42**	**40**	**46**	29	PN, V
R0026	Residential	NCA03	32	**40**	**41**	37	23	**40**	33	35	25	**45**	**38**	**45**	29	PN, V
R0027	Residential	NCA03	35	**40**	**41**	37	23	**40**	34	36	25	**46**	**39**	**46**	32	PN, V
R0028	Residential	NCA03	33	**42**	**42**	**38**	23	**42**	35	36	25	**45**	**40**	**47**	30	PN, V
R0029	Residential	NCA03	32	**40**	**41**	**38**	24	**42**	33	35	24	**46**	**38**	**45**	29	PN, V
R0030	Residential	NCA03	34	**41**	**43**	**39**	25	**43**	36	**38**	27	**46**	**39**	**46**	31	PN, V
R0031	Residential	NCA03	32	**40**	**43**	**39**	25	**43**	35	37	26	**41**	**39**	**46**	29	PN, V
R0032	Residential	NCA03	33	**41**	**43**	**39**	24	**43**	36	37	26	**46**	**40**	**47**	30	PN, V
R0033	Residential	NCA03	31	**40**	**41**	37	22	**41**	33	34	24	**44**	**38**	**44**	28	PN, V
R0034	Residential	NCA03	32	**41**	**43**	**39**	25	**43**	36	37	27	**44**	**38**	**45**	29	PN, V
R0035	Residential	NCA03	34	**41**	**40**	36	21	**40**	34	36	25	**46**	**39**	**46**	31	PN, V
R0036	Residential	NCA03	33	**41**	**43**	**39**	25	**43**	36	**38**	27	**46**	**39**	**46**	30	PN, V
R0037	Residential	NCA03	34	**41**	**43**	**39**	26	**44**	36	**38**	27	**46**	**38**	**45**	31	PN, V
R0038	Residential	NCA03	32	**40**	**43**	**39**	24	**43**	36	37	27	**45**	**38**	**45**	29	PN, V
R0039	Residential	NCA03	32	**40**	**41**	37	23	**41**	33	35	23	**45**	**39**	**46**	29	PN, V
R0040	Residential	NCA03	34	**42**	**43**	**39**	25	**43**	35	37	26	**47**	**39**	**46**	31	PN, V
R0041	Residential	NCA03	34	**43**	**42**	**38**	22	**42**	34	36	25	**43**	**40**	**47**	31	PN, V
R0042	Residential	NCA03	37	**42**	**43**	**39**	24	**43**	36	**38**	25	**47**	**40**	**47**	34	PN, V
R0043	Residential	NCA03	34	**41**	**44**	**40**	25	**44**	36	**38**	27	**47**	**39**	**46**	31	PN, V
R0044	Residential	NCA03	33	**39**	**43**	**39**	25	**42**	36	**38**	26	**43**	37	**43**	30	PN, V
R0045	Residential	NCA03	31	**39**	**43**	**40**	25	**43**	36	37	27	**43**	36	**43**	28	PN, V
R0046	Residential	NCA03	33	37	**41**	37	23	**41**	34	36	24	**43**	36	**43**	30	PN, V
R0047	Residential	NCA03	33	**41**	**44**	**40**	24	**43**	36	**38**	27	**46**	**39**	**46**	30	PN, V
R0048	Residential	NCA03	34	**42**	**42**	**38**	23	**41**	34	36	25	**41**	**40**	**47**	31	PN, V
R0049	Residential	NCA03	31	**39**	**41**	37	23	**40**	34	35	24	**44**	**39**	**46**	28	PN, V
R0050	Residential	NCA03	34	**41**	**43**	**40**	25	**43**	37	**39**	26	**45**	**39**	**46**	31	PN, V
R0051	Residential	NCA03	33	37	**41**	**38**	24	**41**	35	36	25	**44**	34	**42**	30	PN, V
R0052	Residential	NCA03	34	**41**	**42**	**38**	24	**42**	36	**38**	26	**45**	**38**	**45**	31	PN, V
R0053	Residential	NCA03	33	**41**	**43**	**39**	25	**43**	35	37	25	**47**	**40**	**47**	30	PN, V
R0054	Residential	NCA03	35	**41**	**44**	**40**	26	**44**	36	**38**	27	**46**	**39**	**46**	32	PN, V
R0055	Residential	NCA03	35	**40**	**42**	**38**	24	**42**	34	36	25	**47**	**39**	**46**	32	PN, V
R0056	Residential	NCA03	34	**42**	**44**	**40**	26	**44**	37	**39**	28	**46**	**40**	**46**	31	PN, V
R0057	Residential	NCA03	34	**41**	**43**	**39**	24	**43**	36	**38**	27	**46**	**40**	**47**	31	PN, V
R0058	Residential	NCA03	33	**43**	**42**	**38**	24	**42**	34	36	26	**47**	**41**	**48**	30	PN, V
R0059	Residential	NCA03	33	**40**	**43**	**39**	24	**43**	36	**38**	26	**44**	**39**	**45**	30	PN, V
R0060	Residential	NCA03	34	**41**	**43**	**39**	25	**43**	36	37	26	**47**	**39**	**46**	31	PN, V
R0061	Residential	NCA03	33	**42**	**43**	**39**	25	**42**	36	**38**	27	**46**	**40**	**46**	30	PN, V
R0062	Residential	NCA03	35	**40**	**43**	**39**	24	**43**	35	37	26	**46**	**38**	**45**	32	PN, V
R0063	Residential	NCA03	35	**40**	**43**	**39**	25	**43**	36	**38**	26	**46**	**39**	**46**	32	PN, V
R0064	Residential	NCA03	33	**41**	**42**	**40**	25	**41**	37	**39**	27	**45**	**39**	**46**	30	PN, V
R0065	Residential	NCA03	35	**42**	**43**	**39**	24	**43**	36	**38**	26	**46**	**40**	**47**	32	PN, V
R0066	Residential	NCA03	33	**43**	**43**	**39**	25	**43**	35	37	26	**48**	**41**	**48**	30	PN, V
R0067	Residential	NCA03	35	**43**	**42**	**38**	23	**41**	35	37	25	**47**	**41**	**48**	32	PN, V
R0068	Residential	NCA03	34	**43**	**43**	**39**	25	**42**	35	37	26	**48**	**41**	**48**	31	PN, V
R0069	Residential	NCA03	33	**42**	**44**	**40**	25	**44**	37	**38**	27	**47**	**40**	**46**	30	PN, V
R0070	Residential	NCA03	**38**	**43**	35	31	18	34	27	29	19	**44**	**40**	**47**	35	PN, V
R0071	Residential	NCA03	33	**41**	**41**	37	23	**41**	34	36	25	**46**	**39**	**46**	30	PN, V
R0072	Residential	NCA03	33	32	34	31	15	34	26	28	16	37	30	37	30	-
R0073	Residential	NCA03	33	34	**38**	33	19	37	29	31	21	**42**	32	**39**	30	PN
R0074	Residential	NCA03	36	**42**	**44**	**40**	26	**45**	37	**39**	27	**46**	**39**	**46**	33	PN, V
R0075	Residential	NCA03	36	**43**	**45**	**41**	26	**45**	**38**	**40**	27	**49**	**41**	**48**	33	PN, V
R0076	Residential	NCA03	36	**41**	**45**	**41**	27	**45**	**38**	**40**	28	**47**	**39**	**47**	33	PN, V
R0077	Residential	NCA03	35	**42**	**44**	**40**	25	**44**	**38**	**39**	27	**47**	**39**	**47**	32	PN, V
R0078	Residential	NCA03	33	**42**	**42**	**38**	23	**42**	34	36	25	**47**	**40**	**47**	30	PN, V
R0079	Residential	NCA03	31	**38**	**41**	37	23	**41**	33	35	25	**43**	**39**	**45**	28	PN, V
R0080	Residential	NCA03	33	**42**	**45**	**41**	25	**44**	37	**39**	26	**46**	**38**	**45**	30	PN, V
R0081	Residential	NCA03	36	**43**	**46**	**42**	27	**45**	**38**	**40**	28	**48**	**40**	**46**	33	PN, V
R0082	Residential	NCA03	37	37	**39**	35	22	**39**	31	33	21	**41**	35	**42**	34	PN
R0083	Residential	NCA03	30	37	**42**	**38**	24	**41**	35	37	26	**41**	34	**41**	27	PN
R0084	Residential	NCA03	36	**39**	**40**	36	22	**40**	32	34	23	**42**	36	**43**	33	PN, V
R0085	Residential	NCA03	36	**42**	**43**	**39**	25	**43**	35	37	26	**47**	**39**	**46**	33	PN, V
R0086	Residential	NCA03	33	**43**	**45**	**42**	27	**45**	**39**	**40**	29	**44**	**39**	**45**	30	PN, V
R0087	Residential	NCA03	32	**39**	**42**	**38**	24	**42**	35	36	25	**46**	**39**	**46**	29	PN, V
R0088	Residential	NCA03	29	**38**	**39**	36	22	**39**	32	34	24	**43**	**38**	**45**	26	PN, V
R0089	Residential	NCA03	34	**42**	**43**	**39**	24	**43**	35	37	26	**47**	**39**	**46**	31	PN, V
R0090	Residential	NCA03	36	**41**	**43**	**39**	25	**43**	35	37	26	**47**	**40**	**48**	33	PN, V
R0091	Residential	NCA03	33	**42**	**44**	**41**	25	**45**	37	**39**	27	**45**	**40**	**47**	30	PN, V
R0092	Residential	NCA03	33	**42**	**45**	**42**	27	**45**	**39**	**41**	28	**48**	**40**	**47**	30	PN, V
R0093	Residential	NCA03	33	**42**	**43**	**40**	23	**42**	37	**38**	27	**46**	**40**	**47**	30	PN, V
R0094	Residential	NCA03	33	**40**	**40**	36	22	**40**	33	35	24	**47**	**39**	**46**	30	PN, V
R0095	Residential	NCA03	34	**43**	**44**	**40**	25	**44**	36	**38**	27	**47**	**41**	**48**	31	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R0096	Residential	NCA03	33	**41**	**43**	**40**	25	**44**	36	**38**	27	**44**	**40**	**47**	30	PN, V
R0097	Residential	NCA03	35	**42**	**43**	**40**	25	**43**	37	**38**	26	**47**	**40**	**47**	32	PN, V
R0098	Residential	NCA03	35	**43**	**43**	**40**	24	**42**	36	**38**	26	**46**	**41**	**48**	32	PN, V
R0099	Residential	NCA03	34	**43**	**43**	**40**	25	**44**	36	**38**	27	**46**	**40**	**47**	31	PN, V
R0100	Residential	NCA03	32	**42**	**41**	37	23	**39**	33	35	24	**46**	**40**	**47**	29	PN, V
R0101	Residential	NCA03	35	**42**	**41**	37	23	**41**	34	36	25	**46**	**39**	**47**	32	PN, V
R0102	Residential	NCA03	36	**44**	**45**	**42**	27	**45**	**39**	**41**	29	**49**	**40**	**47**	33	PN, V
R0103	Residential	NCA03	36	**40**	**43**	**39**	25	**43**	36	37	26	**47**	**38**	**45**	33	PN, V
R0104	Residential	NCA03	33	**40**	**42**	**38**	24	**42**	34	36	26	**47**	**39**	**46**	30	PN, V
R0105	Residential	NCA03	34	**43**	**44**	**41**	25	**44**	**38**	**39**	27	**47**	**41**	**48**	31	PN, V
R0106	Residential	NCA03	35	**43**	**44**	**40**	25	**44**	36	**38**	26	**46**	**41**	**48**	32	PN, V
R0107	Residential	NCA03	35	**42**	**42**	**38**	24	**41**	34	36	25	**47**	**40**	**47**	32	PN, V
R0108	Residential	NCA03	37	**43**	**45**	**41**	26	**45**	**38**	**40**	28	**48**	**40**	**46**	34	PN, V
R0109	Residential	NCA03	**39**	**42**	**43**	**39**	24	**41**	36	37	25	**46**	**40**	**47**	36	PN, V
R0110	Residential	NCA03	30	**38**	**43**	**39**	25	**43**	36	37	27	**42**	35	**42**	27	PN, V
R0111	Residential	NCA03	34	**43**	**46**	**42**	27	**46**	**39**	**41**	28	**47**	**41**	**48**	31	PN, V
R0112	Residential	NCA03	35	**42**	**45**	**41**	25	**45**	37	**39**	28	**48**	**40**	**47**	32	PN, V
R0113	Residential	NCA03	34	35	**41**	37	24	**41**	33	35	22	**42**	34	**41**	31	PN
R0114	Residential	NCA03	**38**	**44**	**43**	**40**	24	**43**	37	**39**	26	**48**	**41**	**48**	35	PN, V
R0115	Residential	NCA03	37	**43**	**43**	**39**	25	**42**	36	**38**	26	**48**	**41**	**48**	34	PN, V
R0116	Residential	NCA03	36	**43**	**45**	**41**	26	**43**	**38**	**40**	28	**47**	**40**	**47**	33	PN, V
R0117	Residential	NCA03	35	**43**	**44**	**41**	26	**44**	37	**39**	28	**48**	**41**	**47**	32	PN, V
R0118	Residential	NCA03	35	**41**	**42**	**38**	24	**41**	35	36	26	**45**	**40**	**47**	32	PN, V
R0119	Residential	NCA03	32	**42**	**42**	**38**	24	**42**	35	37	26	**45**	**41**	**48**	29	PN, V
R0120	Residential	NCA03	35	**42**	**44**	**41**	25	**44**	**38**	**40**	28	**47**	**41**	**48**	32	PN, V
R0121	Residential	NCA03	32	**43**	**45**	**41**	26	**45**	37	**39**	27	**44**	**40**	**48**	29	PN, V
R0122	Residential	NCA03	34	**40**	**41**	37	23	**40**	34	36	24	**43**	**38**	**43**	31	PN, V
R0123	Residential	NCA03	35	**41**	**44**	**40**	26	**44**	37	**39**	28	**49**	**40**	**47**	32	PN, V
R0124	Residential	NCA03	36	**44**	**44**	**41**	25	**44**	37	**39**	28	**49**	**41**	**47**	33	PN, V
R0125	Residential	NCA03	35	**41**	**44**	**40**	25	**44**	37	**38**	27	**47**	**38**	**46**	32	PN, V
R0126	Residential	NCA03	**38**	**46**	**46**	**43**	27	**47**	**39**	**41**	29	**48**	**42**	**49**	35	PN, V
R0127	Residential	NCA03	37	**42**	**46**	**42**	27	**45**	**38**	**40**	29	**49**	**40**	**47**	34	PN, V
R0128	Residential	NCA03	34	**43**	**44**	**40**	25	**43**	37	**39**	26	**48**	**40**	**47**	31	PN, V
R0129	Residential	NCA03	35	**39**	**41**	37	23	**40**	34	36	25	**45**	**39**	**46**	32	PN, V
R0130	Residential	NCA03	35	**43**	**45**	**41**	26	**43**	37	**39**	27	**46**	**41**	**48**	32	PN, V
R0131	Residential	NCA03	35	**43**	**44**	**41**	25	**44**	37	**39**	28	**47**	**41**	**48**	32	PN, V
R0132	Residential	NCA03	35	**43**	**44**	**40**	25	**44**	37	**39**	27	**48**	**40**	**47**	32	PN, V
R0133	Residential	NCA03	35	**44**	**43**	**39**	25	**43**	36	**38**	27	**49**	**41**	**48**	32	PN, V
R0134	Residential	NCA03	**41**	**46**	**47**	**44**	28	**48**	**40**	**42**	30	**49**	**42**	**49**	**38**	PN, V
R0135	Residential	NCA03	33	**42**	**41**	**38**	23	**40**	34	36	25	**43**	**39**	**46**	30	PN, V
R0136	Residential	NCA03	**39**	**44**	**43**	**39**	25	**42**	35	37	25	**47**	**40**	**47**	36	PN, V
R0137	Residential	NCA03	36	**44**	**45**	**41**	26	**44**	**38**	**40**	28	**48**	**40**	**48**	33	PN, V
R0138	Residential	NCA03	**38**	**44**	**46**	**42**	27	**46**	**39**	**41**	29	**48**	**41**	**47**	35	PN, V
R0139	Residential	NCA03	35	**45**	**45**	**41**	26	**45**	**38**	**40**	27	**47**	**42**	**49**	32	PN, V
R0140	Residential	NCA03	**41**	**46**	**49**	**44**	28	**50**	**41**	**43**	30	**49**	**42**	**49**	**38**	PN, V
R0141	Residential	NCA03	36	**44**	**44**	**40**	25	**43**	36	**38**	27	**49**	**41**	**48**	33	PN, V
R0142	Residential	NCA03	**38**	**43**	**43**	**39**	25	**42**	36	**38**	27	**48**	**42**	**49**	35	PN, V
R0143	Residential	NCA03	35	**44**	**44**	**40**	25	**44**	36	**38**	27	**48**	**42**	**49**	32	PN, V
R0144	Residential	NCA03	**38**	**45**	**47**	**43**	27	**46**	**39**	**41**	29	**48**	**42**	**48**	35	PN, V
R0145	Residential	NCA03	30	36	**41**	37	22	**39**	33	35	24	**40**	33	**39**	27	PN
R0146	Residential	NCA03	37	**44**	**49**	**45**	28	**48**	**40**	**42**	32	**48**	**41**	**48**	34	PN, V
R0147	Residential	NCA03	30	34	35	31	17	35	28	30	18	37	32	**39**	27	PN
R0148	Residential	NCA03	33	**41**	**42**	**38**	24	**42**	35	36	26	**48**	**41**	**47**	30	PN, V
R0149	Residential	NCA03	36	**43**	**45**	**41**	26	**44**	**38**	**40**	28	**48**	**41**	**48**	33	PN, V
R0150	Residential	NCA03	**39**	**42**	**41**	37	23	**40**	33	36	25	**45**	**39**	**46**	36	PN, V
R0151	Residential	NCA03	35	**44**	**43**	**39**	24	**43**	36	**38**	26	**49**	**42**	**49**	32	PN, V
R0152	Residential	NCA03	**41**	**46**	**49**	**43**	28	**49**	**41**	**43**	30	**51**	**42**	**49**	**38**	PN, V
R0153	Residential	NCA03	32	**43**	**46**	**42**	26	**46**	**39**	**41**	28	**48**	**40**	**47**	29	PN, V
R0154	Residential	NCA03	33	**43**	**41**	37	24	**41**	34	36	25	**47**	**41**	**48**	30	PN, V
R0155	Residential	NCA03	37	**41**	**40**	36	23	**40**	33	35	24	**42**	**39**	**44**	34	PN, V
R0156	Residential	NCA03	34	**44**	**44**	**40**	24	**42**	36	**38**	26	**47**	**42**	**48**	31	PN, V
R0157	Residential	NCA03	**39**	**45**	**44**	**40**	25	**42**	36	**38**	25	**48**	**41**	**49**	36	PN, V
R0158	Residential	NCA03	35	**42**	**45**	**41**	26	**45**	**38**	**39**	28	**49**	**40**	**47**	32	PN, V
R0159	Residential	NCA03	36	**43**	**44**	**39**	26	**43**	36	**38**	27	**49**	**41**	**48**	33	PN, V
R0160	Residential	NCA03	35	**43**	**45**	**41**	26	**45**	**38**	**40**	28	**48**	**41**	**48**	32	PN, V
R0161	Residential	NCA03	36	**43**	**45**	**41**	26	**45**	37	**39**	28	**48**	**41**	**48**	33	PN, V
R0162	Residential	NCA03	37	**40**	**40**	36	22	**39**	33	35	23	**43**	**39**	**46**	34	PN, V
R0163	Residential	NCA03	36	**42**	**44**	**40**	26	**44**	**38**	**39**	28	**48**	**41**	**48**	33	PN, V
R0164	Residential	NCA03	36	**44**	**43**	**39**	25	**42**	36	**38**	27	**49**	**42**	**49**	33	PN, V
R0165	Residential	NCA03	33	**43**	**44**	**40**	25	**44**	37	**39**	27	**48**	**41**	**48**	30	PN, V
R0166	Residential	NCA03	37	**43**	**45**	**41**	26	**45**	**38**	**40**	28	**49**	**41**	**48**	34	PN, V
R0167	Residential	NCA03	**39**	**44**	**43**	**39**	25	**42**	36	**38**	26	**48**	**42**	**49**	36	PN, V
R0168	Residential	NCA03	35	**43**	**45**	**41**	26	**45**	37	**40**	28	**47**	**41**	**48**	32	PN, V
R0169	Residential	NCA03	35	**44**	**44**	**40**	25	**44**	37	**38**	27	**46**	**42**	**48**	32	PN, V
R0170	Residential	NCA03	**41**	**46**	**49**	**43**	28	**50**	**41**	**43**	30	**51**	**43**	**50**	**38**	PN, V
R0171	Residential	NCA03	35	**46**	**42**	**38**	23	**42**	34	36	24	**49**	**43**	**50**	32	PN, V
R0172	Residential	NCA03	34	**44**	**43**	**40**	24	**42**	37	**38**	27	**46**	**42**	**49**	31	PN, V
R0173	Residential	NCA03	**38**	**45**	**42**	**39**	24	**42**	35	37	26	**48**	**42**	**49**	35	PN, V
R0174	Residential	NCA03	**41**	**46**	**49**	**45**	28	**49**	**41**	**43**	33	**51**	**43**	**50**	**38**	PN, V
R0175	Residential	NCA03	37	**40**	**40**	37	23	**38**	34	35	24	**45**	**40**	**47**	34	PN, V
R0176	Residential	NCA03	35	**42**	**43**	**39**	25	**43**	36	37	26	**48**	**39**	**46**	32	PN, V
R0177	Residential	NCA03	**41**	**46**	**49**	**45**	28	**49**	**41**	**43**	32	**50**	**43**	**49**	**38**	PN, V
R0178	Residential	NCA03	30	**44**	**45**	**42**	26	**46**	**39**	**41**	27	**42**	**40**	**47**	27	PN, V
R0179	Residential	NCA01	33	**41**	**47**	**43**	30	**47**	**39**	**41**	31	**45**	**38**	**45**	30	PN, V
R0180	Residential	NCA03	35	**44**	**44**	**40**	25	**44**	36	**38**	27	**48**	**41**	**46**	32	PN, V
R0181	Residential	NCA03	36	**43**	**42**	**38**	24	**41**	34	36	26	**46**	**40**	**46**	33	PN, V
R0182	Residential	NCA03	**39**	**46**	**49**	**45**	29	**48**	**41**	**43**	32	**50**	**42**	**49**	36	PN, V
R0183	Residential	NCA03	34	**44**	**44**	**40**	25	**43**	37	**38**	27	**47**	**42**	**49**	31	PN, V
R0184	Residential	NCA03	34	**45**	**45**	**41**	25	**45**	**38**	**40**	28	**46**	**43**	**50**	31	PN, V
R0185	Residential	NCA03	35	**43**	**48**	**43**	27	**47**	**39**	**41**	31	**45**	**41**	**48**	32	PN, V
R0186	Residential	NCA01	33	**42**	**47**	**44**	29	**47**	**39**	**41**	29	**45**	**39**	**46**	30	PN, V
R0187	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	**40**	**42**	29	**50**	**42**	**49**	34	PN, V
R0188	Residential	NCA03	37	**45**	**46**	**43**	27	**46**	**40**	**43**	29	**50**	**42**	**49**	34	PN, V
R0189	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**41**	**43**	32	**46**	**41**	**48**	32	PN, V
R0190	Residential	NCA03	**38**	**43**	**43**	**40**	25	**43**	37	**39**	27	**49**	**42**	**50**	35	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0191	Residential	NCA03	37	**45**	**46**	**42**	27	**46**	**39**	**41**	29	**50**	**43**	**49**	34	PN, V
R0192	Residential	NCA01	33	**41**	**47**	**43**	29	**47**	**39**	**40**	30	**44**	**38**	**45**	30	PN, V
R0193	Residential	NCA03	36	**45**	**44**	**40**	26	**43**	36	**38**	28	**49**	**43**	**50**	33	PN, V
R0194	Residential	NCA03	**41**	**48**	**44**	**41**	25	**43**	37	**39**	27	**50**	**45**	**49**	**38**	PN, V
R0195	Residential	NCA03	37	**46**	**46**	**42**	27	**46**	**38**	**40**	29	**50**	**43**	**49**	34	PN, V
R0196	Residential	NCA01	33	**41**	**47**	**43**	29	**47**	**39**	**40**	29	**44**	**38**	**45**	30	PN, V
R0197	Residential	NCA03	**38**	**47**	**48**	**45**	29	**48**	**41**	**43**	31	**51**	**43**	**50**	35	PN, V
R0198	Residential	NCA03	33	**41**	**42**	**39**	25	**41**	35	37	26	**48**	**39**	**47**	30	PN, V
R0199	Residential	NCA03	37	**45**	**47**	**43**	27	**49**	**41**	**43**	29	**50**	**42**	**49**	34	PN, V
R0200	Residential	NCA03	**38**	**45**	**43**	**40**	25	**43**	37	**39**	28	**49**	**42**	**49**	35	PN, V
R0201	Residential	NCA01	33	**41**	**47**	**44**	30	**47**	**39**	**41**	29	**44**	**39**	**46**	30	PN, V
R0202	Residential	NCA03	**38**	**46**	**50**	**46**	28	**50**	**41**	**44**	30	**51**	**43**	**50**	35	PN, V
R0203	Residential	NCA03	36	**44**	**44**	**40**	25	**44**	37	**38**	27	**49**	**42**	**49**	33	PN, V
R0204	Residential	NCA01	33	**43**	**48**	**45**	30	**48**	**39**	**40**	30	**44**	**40**	**46**	30	PN, V
R0205	Residential	NCA03	37	**44**	**46**	**43**	27	**48**	**40**	**42**	29	**50**	**42**	**48**	34	PN, V
R0206	Residential	NCA01	34	**42**	**47**	**44**	29	**48**	**40**	**41**	30	**45**	**39**	**46**	31	PN, V
R0207	Residential	NCA03	37	**44**	**46**	**43**	27	**46**	**40**	**41**	29	**47**	**40**	**47**	34	PN, V
R0208	Residential	NCA03	35	**45**	**44**	**40**	25	**43**	36	**38**	27	**49**	**43**	**50**	32	PN, V
R0209	Residential	NCA01	34	**42**	**47**	**44**	30	**47**	**40**	**42**	31	**45**	**39**	**46**	31	PN, V
R0210	Residential	NCA03	37	**43**	**45**	**43**	27	**48**	**40**	**42**	30	**50**	**41**	**48**	34	PN, V
R0211	Residential	NCA03	36	**42**	**42**	**38**	24	**41**	35	37	26	**48**	**40**	**46**	33	PN, V
R0212	Residential	NCA01	34	**43**	**48**	**45**	30	**48**	**39**	**41**	30	**45**	**40**	**47**	31	PN, V
R0213	Residential	NCA03	35	**45**	**44**	**40**	23	**42**	37	**38**	27	**48**	**43**	**50**	32	PN, V
R0214	Residential	NCA01	34	**42**	**48**	**45**	29	**48**	**40**	**42**	30	**45**	**39**	**46**	31	PN, V
R0215	Residential	NCA03	36	**42**	**46**	**43**	27	**48**	**40**	**42**	30	**48**	**40**	**47**	33	PN, V
R0216	Residential	NCA01	36	**44**	**49**	**46**	31	**49**	**41**	**43**	31	**47**	**41**	**47**	33	PN, V
R0217	Residential	NCA03	34	**42**	**42**	**39**	25	**42**	35	37	26	**49**	**40**	**47**	31	PN, V
R0218	Medical facility	NCA03	31	36	37	33	20	36	29	31	21	38	33	40	28	-
R0219	Residential	NCA01	33	**41**	**48**	**44**	28	**47**	**38**	**40**	29	**44**	**39**	**46**	30	PN, V
R0220	Residential	NCA03	36	**41**	**46**	**42**	27	**46**	**38**	**40**	28	**47**	**39**	**46**	33	PN, V
R0221	Residential	NCA01	32	**42**	**48**	**44**	28	**48**	**38**	**40**	29	**43**	**39**	**45**	29	PN, V
R0222	Residential	NCA03	**38**	**44**	**43**	**40**	25	**42**	37	**39**	28	**48**	**42**	**48**	35	PN, V
R0223	Residential	NCA03	**41**	**46**	**49**	**45**	28	**48**	**41**	**43**	30	**50**	**43**	**50**	**38**	PN, V
R0224	Residential	NCA03	33	**43**	**42**	**38**	24	**41**	34	36	25	**47**	**41**	**48**	30	PN, V
R0225	Residential	NCA01	35	**43**	**49**	**46**	31	**49**	**40**	**42**	31	**45**	**40**	**47**	32	PN, V
R0226	Residential	NCA03	37	**45**	**44**	**40**	26	**44**	37	**39**	28	**47**	**42**	**49**	34	PN, V
R0227	Residential	NCA03	36	**45**	**45**	**41**	27	**45**	**38**	**40**	28	**47**	**43**	**50**	33	PN, V
R0228	Residential	NCA03	37	**44**	**41**	37	23	**40**	34	35	25	**47**	**41**	**48**	34	PN, V
R0229	Residential	NCA03	34	**44**	**42**	**39**	24	**42**	36	**38**	27	**48**	**43**	**49**	31	PN, V
R0230	Residential	NCA03	35	**43**	**43**	**39**	26	**43**	36	**38**	27	**50**	**42**	**48**	32	PN, V
R0231	Residential	NCA01	33	**42**	**48**	**44**	30	**48**	**39**	**41**	30	**44**	**39**	**46**	30	PN, V
R0232	Medical facility	NCA03	37	40	40	37	22	39	33	35	24	45	39	46	34	-
R0233	Residential	NCA01	33	**41**	**48**	**44**	28	**48**	**39**	**41**	30	**45**	**39**	**46**	30	PN, V
R0234	Residential	NCA01	32	**42**	**48**	**44**	30	**48**	**39**	**41**	30	**43**	**39**	**46**	29	PN, V
R0235	Residential	NCA01	34	**42**	**48**	**45**	30	**48**	**39**	**41**	31	**45**	**39**	**46**	31	PN, V
R0236	Residential	NCA03	37	**45**	**44**	**40**	25	**44**	37	**39**	28	**49**	**43**	**50**	34	PN, V
R0237	Residential	NCA03	**42**	**47**	**50**	**45**	29	**48**	**41**	**43**	30	**51**	**43**	**50**	**39**	PN, V
R0238	Residential	NCA01	34	**43**	**48**	**44**	30	**48**	**39**	**41**	31	**45**	**39**	**46**	31	PN, V
R0239	Residential	NCA03	35	**41**	**43**	**39**	25	**42**	36	**38**	27	**48**	**39**	**46**	32	PN, V
R0240	Residential	NCA01	33	**42**	**48**	**44**	29	**48**	**39**	**40**	29	**44**	**39**	**46**	30	PN, V
R0241	Residential	NCA01	31	**40**	**46**	**42**	29	**46**	**37**	**39**	27	**43**	**37**	**44**	28	PN, V
R0242	Residential	NCA03	33	**41**	**42**	**38**	24	**40**	35	36	26	**46**	**41**	**46**	30	PN, V
R0243	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**42**	**44**	32	**46**	**41**	**48**	32	PN, V
R0244	Residential	NCA01	33	**41**	**47**	**43**	28	**47**	**39**	**41**	29	**44**	**38**	**45**	30	PN, V
R0245	Residential	NCA01	32	**42**	**48**	**45**	30	**48**	**38**	**40**	29	**44**	**39**	**47**	29	PN, V
R0246	Residential	NCA03	35	**43**	**43**	**39**	25	**41**	36	37	26	**49**	**41**	**48**	32	PN, V
R0247	Residential	NCA01	33	**42**	**49**	**45**	29	**49**	**39**	**41**	30	**44**	**40**	**46**	30	PN, V
R0248	Residential	NCA01	32	**41**	**47**	**43**	28	**47**	**38**	**39**	27	**44**	**38**	**45**	29	PN, V
R0249	Residential	NCA03	**39**	**48**	**50**	**44**	28	**48**	**41**	**43**	30	**51**	**45**	**50**	36	PN, V
R0250	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**41**	**43**	32	**46**	**41**	**48**	32	PN, V
R0251	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**41**	**43**	32	**46**	**41**	**48**	32	PN, V
R0252	Residential	NCA03	36	**43**	**42**	**39**	24	**42**	35	37	26	**49**	**40**	**47**	33	PN, V
R0253	Medical facility	NCA03	41	44	41	37	24	41	34	36	25	48	42	49	38	-
R0254	Residential	NCA03	36	**45**	**45**	**41**	26	**45**	37	**39**	28	**50**	**43**	**50**	33	PN, V
R0255	Residential	NCA01	33	**43**	**49**	**45**	30	**49**	**39**	**41**	31	**45**	**40**	**47**	30	PN, V
R0256	Residential	NCA01	29	**39**	**46**	**42**	27	**46**	34	35	23	**41**	**37**	**44**	26	PN, V
R0257	Medical facility	NCA03	42	45	43	39	25	42	36	37	26	48	42	49	39	-
R0258	Residential	NCA03	36	**45**	**44**	**40**	26	**43**	37	**39**	28	**47**	**44**	**50**	33	PN, V
R0259	Residential	NCA03	**40**	**48**	**48**	**44**	29	**48**	**40**	**42**	31	**51**	**44**	**51**	37	PN, V
R0260	Residential	NCA01	36	**43**	**49**	**46**	30	**49**	**41**	**43**	31	**48**	**41**	**47**	33	PN, V
R0261	Residential	NCA01	34	**42**	**48**	**45**	29	**48**	**40**	**42**	31	**45**	**39**	**46**	31	PN, V
R0262	Residential	NCA03	**38**	**47**	**47**	**44**	29	**48**	**40**	**42**	31	**51**	**43**	**50**	35	PN, V
R0263	Residential	NCA03	35	**43**	**44**	**40**	26	**43**	37	**39**	28	**49**	**43**	**50**	32	PN, V
R0264	Residential	NCA01	34	**43**	**48**	**45**	30	**49**	**40**	**42**	30	**45**	**40**	**47**	31	PN, V
R0265	Residential	NCA01	31	**39**	**45**	**41**	28	**45**	**37**	**39**	24	**42**	36	**43**	28	PN, V
R0266	Residential	NCA01	32	**40**	**47**	**43**	29	**47**	**37**	**39**	28	**43**	**38**	**45**	29	PN, V
R0267	Residential	NCA01	34	**43**	**48**	**45**	30	**48**	**40**	**42**	31	**45**	**40**	**46**	31	PN, V
R0268	Residential	NCA03	35	**42**	**43**	**39**	25	**42**	36	**38**	27	**49**	**41**	**48**	32	PN, V
R0269	Residential	NCA03	31	**45**	**42**	**38**	25	**41**	35	37	26	**46**	**42**	**49**	28	PN, V
R0270	Residential	NCA01	34	**43**	**49**	**46**	31	**49**	**40**	**42**	31	**45**	**41**	**47**	31	PN, V
R0271	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**41**	**43**	31	**47**	**41**	**48**	32	PN, V
R0272	Residential	NCA01	34	**44**	**50**	**46**	31	**49**	**40**	**42**	30	**46**	**41**	**47**	31	PN, V
R0273	Residential	NCA01	36	**43**	**50**	**46**	31	**49**	**41**	**43**	32	**47**	**41**	**48**	33	PN, V
R0274	Residential	NCA03	35	**40**	**43**	**39**	25	**42**	35	37	26	**47**	37	**44**	32	PN, V
R0275	Residential	NCA03	34	**38**	33	31	16	33	27	29	18	**41**	36	**43**	31	PN, V
R0276	Residential	NCA01	35	**44**	**50**	**46**	31	**49**	**41**	**43**	32	**46**	**41**	**48**	32	PN, V
R0277	Educational institute	NCA03	37	46	46	43	28	46	40	41	30	50	44	51	34	-
R0278	Residential	NCA01	32	**41**	**48**	**44**	30	**47**	**38**	**40**	29	**43**	**39**	**46**	29	PN, V
R0279	Residential	NCA03	**39**	**45**	**39**	36	22	**39**	32	34	23	**46**	**42**	**49**	36	PN, V
R0280	Residential	NCA03	35	**41**	**43**	**40**	26	**43**	37	**39**	28	**49**	**40**	**47**	32	PN, V
R0281	Medical facility	NCA03	40	42	39	36	22	39	32	34	23	45	39	46	37	-
R0282	Residential	NCA03	**38**	**45**	37	35	20	37	31	33	23	**42**	**42**	**49**	35	PN, V
R0283	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**40**	**42**	31	**45**	**41**	**49**	32	PN, V
R0284	Residential	NCA01	36	**44**	**50**	**46**	32	**49**	**42**	**44**	33	**48**	**41**	**48**	33	PN, V
R0285	Residential	NCA01	**37**	**45**	**51**	**48**	33	**50**	**44**	**46**	35	**48**	**42**	**49**	34	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0286	Residential	NCA01	30	**40**	**46**	**42**	29	**47**	36	**38**	24	**41**	**37**	**44**	27	PN, V
R0287	Medical facility	NCA03	39	41	39	36	22	39	33	34	23	46	39	46	36	-
R0288	Residential	NCA03	37	**47**	**44**	**40**	26	**44**	37	**39**	28	**51**	**44**	**51**	34	PN, V
R0289	Residential	NCA03	**42**	**44**	**43**	**39**	25	**43**	36	**38**	27	**48**	**41**	**48**	**39**	PN, V
R0290	Residential	NCA03	36	**44**	**44**	**41**	26	**44**	37	**39**	28	**50**	**43**	**50**	33	PN, V
R0291	Educational institute	NCA03	38	43	45	42	26	45	39	40	28	49	40	47	35	-
R0292	Residential	NCA01	35	**44**	**50**	**46**	31	**50**	**40**	**43**	31	**46**	**41**	**48**	32	PN, V
R0293	Residential	NCA03	32	35	**40**	36	21	**39**	31	33	23	**40**	33	**39**	29	PN
R0294	Residential	NCA03	**41**	**46**	**44**	**40**	26	**44**	37	**38**	27	**49**	**43**	**50**	**38**	PN, V
R0295	Residential	NCA01	36	**44**	**50**	**46**	31	**50**	**41**	**43**	31	**47**	**41**	**47**	33	PN, V
R0296	Residential	NCA01	31	**39**	**46**	**42**	28	**45**	**37**	**39**	24	**40**	36	**43**	28	PN, V
R0297	Residential	NCA01	30	**40**	**46**	**42**	28	**46**	**37**	**38**	24	**41**	**38**	**44**	27	PN, V
R0298	Residential	NCA03	36	**46**	**42**	**38**	24	**41**	34	36	25	**48**	**43**	**50**	33	PN, V
R0299	Residential	NCA01	34	**43**	**49**	**45**	30	**49**	**39**	**41**	30	**44**	**40**	**47**	31	PN, V
R0300	Residential	NCA01	30	**39**	**47**	**43**	29	**46**	**37**	**38**	25	**42**	**37**	**44**	27	PN, V
R0301	Residential	NCA01	33	**41**	**47**	**44**	29	**47**	**39**	**41**	31	**45**	**39**	**46**	30	PN, V
R0302	Educational institute	NCA03	38	47	46	42	28	46	38	40	30	50	45	52	35	-
R0303	Residential	NCA01	32	**41**	**47**	**43**	28	**47**	**39**	**40**	28	**42**	**38**	**45**	29	PN, V
R0304	Residential	NCA01	33	**41**	**47**	**44**	28	**47**	**39**	**41**	29	**44**	**39**	**46**	30	PN, V
R0305	Residential	NCA03	36	**43**	**44**	**41**	26	**43**	37	**39**	28	**50**	**42**	**49**	33	PN, V
R0306	Residential	NCA01	33	**42**	**47**	**44**	29	**47**	**39**	**41**	30	**44**	**39**	**46**	30	PN, V
R0307	Residential	NCA01	33	**42**	**48**	**44**	29	**48**	**39**	**41**	30	**44**	**39**	**46**	30	PN, V
R0308	Residential	NCA03	35	**45**	**43**	**39**	25	**42**	36	**38**	27	**49**	**43**	**50**	32	PN, V
R0309	Residential	NCA01	**38**	**45**	**51**	**47**	33	**49**	**43**	**45**	34	**49**	**42**	**49**	35	PN, V
R0310	Residential	NCA01	29	36	**44**	**40**	25	**43**	34	35	22	**40**	33	**41**	26	PN, V
R0311	Residential	NCA03	34	**42**	**38**	34	22	**38**	31	33	23	**44**	**40**	**46**	31	PN, V
R0312	Educational institute	NCA03	38	44	46	43	27	46	40	41	30	50	41	48	35	-
R0313	Residential	NCA01	30	**40**	**47**	**43**	29	**47**	36	**37**	26	**42**	**38**	**45**	27	PN, V
R0314	Residential	NCA03	**38**	**46**	**46**	**41**	28	**45**	**38**	**40**	28	**50**	**45**	**52**	35	PN, V
R0315	Residential	NCA03	**41**	**45**	**41**	37	24	**40**	34	36	25	**47**	**42**	**49**	**38**	PN, V
R0316	Residential	NCA01	33	**44**	**50**	**46**	32	**50**	**41**	**43**	31	**46**	**41**	**48**	30	PN, V
R0317	Residential	NCA03	34	35	**39**	35	21	**38**	32	34	23	**42**	34	**40**	31	PN
R0318	Residential	NCA01	33	**43**	**49**	**45**	31	**49**	**40**	**42**	31	**45**	**40**	**47**	30	PN, V
R0319	Residential	NCA01	**37**	**46**	**51**	**48**	33	**50**	**43**	**45**	34	**48**	**43**	**50**	34	PN, V
R0320	Residential	NCA01	33	**42**	**48**	**44**	29	**48**	**39**	**40**	30	**44**	**39**	**46**	30	PN, V
R0321	Residential	NCA03	34	**44**	**42**	**38**	24	**41**	35	37	26	**48**	**44**	**50**	31	PN, V
R0322	Medical facility	NCA03	36	40	40	37	23	39	33	35	23	43	39	46	33	-
R0323	Residential	NCA03	35	**43**	**44**	**40**	26	**43**	37	**38**	28	**50**	**42**	**48**	32	PN, V
R0324	Residential	NCA01	**37**	**45**	**51**	**48**	33	**52**	**43**	**45**	34	**47**	**43**	**49**	34	PN, V, SN, RP, DR
R0325	Residential	NCA03	35	**43**	**43**	**39**	25	**42**	36	**38**	27	**49**	**42**	**50**	32	PN, V
R0326	Residential	NCA01	34	**43**	**49**	**46**	31	**49**	**40**	**43**	31	**46**	**41**	**47**	31	PN, V
R0327	Residential	NCA01	**38**	**46**	**51**	**47**	33	**50**	**43**	**45**	34	**49**	**42**	**49**	35	PN, V
R0328	Residential	NCA01	36	**45**	**50**	**47**	32	**50**	**42**	**44**	32	**47**	**42**	**48**	33	PN, V
R0329	Educational institute	NCA03	38	46	48	44	29	48	42	44	30	51	43	50	35	-
R0330	Residential	NCA03	**39**	**43**	**42**	**38**	24	**41**	35	37	26	**47**	**41**	**48**	36	PN, V
R0331	Residential	NCA01	**38**	**46**	**52**	**48**	34	**51**	**44**	**45**	35	**49**	**43**	**50**	35	PN, V, SN, RP, DR
R0332	Residential	NCA01	36	**44**	**50**	**46**	32	**50**	**42**	**44**	32	**47**	**41**	**48**	33	PN, V
R0333	Residential	NCA03	34	**44**	**42**	**38**	24	**41**	35	37	26	**48**	**42**	**49**	31	PN, V
R0334	Residential	NCA01	36	**44**	**51**	**47**	32	**50**	**41**	**43**	32	**48**	**42**	**49**	33	PN, V
R0335	Residential	NCA03	**38**	**45**	**42**	**38**	24	**41**	33	35	24	**45**	**42**	**48**	35	PN, V
R0336	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	**40**	**42**	31	**45**	**41**	**48**	31	PN, V
R0337	Residential	NCA01	33	**42**	**49**	**45**	31	**49**	**40**	**42**	31	**45**	**40**	**47**	30	PN, V
R0338	Residential	NCA01	30	**39**	**45**	**41**	27	**46**	36	**38**	25	**41**	36	**43**	27	PN, V
R0339	Residential	NCA01	**38**	**46**	**51**	**47**	33	**51**	**43**	**45**	34	**50**	**43**	**49**	35	PN, V
R0340	Educational institute	NCA03	40	47	49	45	30	49	42	44	32	53	46	52	37	-
R0341	Residential	NCA01	34	**43**	**49**	**45**	30	**49**	**40**	**42**	31	**45**	**40**	**47**	31	PN, V
R0342	Residential	NCA01	31	**41**	**47**	**43**	27	**47**	36	**37**	23	**42**	**38**	**45**	28	PN, V
R0343	Residential	NCA01	35	**45**	**51**	**47**	32	**51**	**42**	**44**	33	**47**	**42**	**48**	32	PN, V
R0344	Residential	NCA01	31	**40**	**46**	**43**	26	**46**	**38**	**40**	28	**42**	**37**	**44**	28	PN, V
R0345	Residential	NCA01	36	**45**	**50**	**46**	31	**50**	**42**	**44**	32	**47**	**41**	**48**	33	PN, V
R0346	Residential	NCA03	34	**43**	**40**	37	22	**39**	33	34	22	**44**	**40**	**47**	31	PN, V
R0347	Residential	NCA01	29	**41**	**48**	**44**	30	**47**	35	**37**	25	**42**	**38**	**45**	26	PN, V
R0348	Residential	NCA01	34	**43**	**49**	**45**	31	**49**	**39**	**41**	29	**46**	**40**	**47**	31	PN, V
R0349	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	**41**	**43**	32	**48**	**42**	**49**	33	PN, V
R0350	Residential	NCA03	33	**40**	**38**	35	21	37	31	33	22	**44**	**40**	**46**	30	PN, V
R0351	Medical facility	NCA03	45	43	40	36	22	39	33	34	24	46	40	47	42	-
R0352	Residential	NCA03	37	**38**	**41**	37	23	**40**	34	36	24	**44**	35	**42**	34	PN, V
R0353	Residential	NCA03	35	**43**	**43**	**39**	25	**43**	36	**38**	27	**49**	**43**	**49**	32	PN, V
R0354	Residential	NCA03	37	**46**	**45**	**41**	27	**45**	**38**	**39**	29	**51**	**44**	**51**	34	PN, V
R0355	Residential	NCA03	37	**46**	**45**	**42**	27	**45**	**38**	**40**	29	**51**	**45**	**51**	34	PN, V
R0356	Residential	NCA01	32	**42**	**48**	**44**	29	**48**	**38**	**40**	28	**43**	**39**	**46**	29	PN, V
R0357	Medical facility	NCA03	41	43	42	38	24	41	34	36	25	46	41	48	38	-
R0358	Residential	NCA01	33	**42**	**49**	**45**	29	**48**	**38**	**40**	29	**43**	**40**	**47**	30	PN, V
R0359	Residential	NCA03	**44**	**50**	**44**	**40**	26	**43**	37	**39**	27	**50**	**47**	**52**	**41**	PN, V
R0360	Residential	NCA01	33	**42**	**49**	**45**	29	**48**	**39**	**41**	30	**44**	**39**	**46**	30	PN, V
R0361	Residential	NCA03	**42**	**42**	**41**	37	23	**40**	34	36	23	**46**	**41**	**48**	**39**	PN, V
R0362	Residential	NCA03	34	**41**	**42**	**39**	25	**41**	35	37	26	**49**	**39**	**46**	31	PN, V
R0363	Educational institute	NCA03	39	48	47	43	29	47	40	42	30	52	45	52	36	-
R0364	Residential	NCA03	35	**45**	**43**	**39**	25	**43**	36	**38**	27	**49**	**43**	**50**	32	PN, V
R0365	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	**42**	**44**	32	**47**	**42**	**49**	33	PN, V
R0366	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	**42**	**45**	33	**47**	**43**	**49**	33	PN, V
R0367	Residential	NCA03	35	**45**	**43**	**39**	25	**42**	36	**38**	27	**48**	**44**	**51**	32	PN, V
R0368	Residential	NCA01	30	**40**	**48**	**44**	30	**48**	33	35	21	**41**	**38**	**45**	27	PN, V
R0369	Residential	NCA03	35	**47**	**43**	**39**	25	**43**	36	37	27	**49**	**41**	**48**	32	PN, V
R0370	Residential	NCA01	31	**41**	**48**	**44**	30	**48**	**37**	**39**	29	**43**	**39**	**46**	28	PN, V
R0371	Residential	NCA01	33	**41**	**47**	**44**	28	**47**	**40**	**41**	30	**44**	**38**	**45**	30	PN, V
R0372	Commercial	NCA03	44	43	41	38	24	40	34	36	25	46	40	47	41	-
R0373	Residential	NCA01	30	**38**	**45**	**41**	25	**44**	36	**38**	24	**40**	35	**42**	27	PN, V
R0374	Residential	NCA01	34	**43**	**49**	**45**	31	**49**	**40**	**43**	31	**47**	**40**	**47**	31	PN, V
R0375	Residential	NCA03	33	**44**	**42**	**38**	23	**41**	34	36	24	**44**	**41**	**48**	30	PN, V
R0376	Residential	NCA03	**41**	**47**	**41**	**38**	24	**41**	34	36	25	**43**	**43**	**49**	**38**	PN, V
R0377	Residential	NCA03	37	**45**	**44**	**41**	26	**43**	37	**39**	28	**51**	**44**	**51**	34	PN, V
R0378	Residential	NCA01	**40**	**45**	**48**	**44**	28	**48**	**41**	**44**	33	**51**	**42**	**49**	**37**	PN, V
R0379	Residential	NCA03	35	**45**	**41**	37	24	**41**	34	36	26	**50**	**43**	**49**	32	PN, V
R0380	Residential	NCA01	36	**46**	**51**	**48**	33	**52**	**43**	**45**	34	**47**	**43**	**49**	33	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0381	Residential	NCA03	41	46	41	38	24	40	34	36	25	48	43	50	38	PN, V
R0382	Residential	NCA01	35	43	49	45	31	49	39	41	29	44	40	48	32	PN, V
R0383	Residential	NCA01	40	46	50	46	31	49	43	45	34	52	43	50	37	PN, V, SN, RP, DR
R0384	Residential	NCA01	39	44	48	44	27	48	42	44	33	50	41	48	36	PN, V
R0385	Residential	NCA03	37	47	45	41	27	44	38	40	28	51	45	52	34	PN, V
R0386	Residential	NCA01	34	43	48	45	29	48	40	42	30	45	40	47	31	PN, V
R0387	Residential	NCA01	36	45	51	47	33	51	41	43	31	48	42	49	33	PN, V
R0388	Residential	NCA01	38	44	48	44	28	48	42	44	33	50	41	48	35	PN, V
R0389	Residential	NCA01	35	42	49	44	28	48	39	41	28	47	39	46	32	PN, V
R0390	Residential	NCA01	35	44	50	46	32	50	39	42	31	46	41	48	32	PN, V
R0391	Residential	NCA03	36	44	43	40	26	44	37	39	28	51	43	50	33	PN, V
R0392	Residential	NCA03	35	42	43	39	25	43	36	38	27	49	40	47	32	PN, V
R0393	Residential	NCA01	36	44	50	47	32	50	41	43	31	48	41	49	33	PN, V
R0394	Residential	NCA01	30	39	45	42	28	46	36	38	26	42	37	44	27	PN, V
R0395	Residential	NCA03	42	43	40	37	23	40	34	35	24	47	41	48	39	PN, V
R0396	Residential	NCA01	35	44	50	46	33	48	42	44	34	47	41	48	32	PN, V
R0397	Residential	NCA01	33	39	46	41	25	45	36	39	28	44	36	44	30	PN, V
R0398	Residential	NCA03	43	43	39	36	22	39	32	34	20	46	41	47	40	PN, V
R0399	Residential	NCA01	37	44	50	46	30	49	41	43	30	49	41	48	34	PN, V
R0400	Residential	NCA03	43	45	40	37	23	40	34	35	24	47	42	49	40	PN, V
R0401	Residential	NCA01	37	44	48	45	28	48	42	44	33	49	40	47	34	PN, V
R0402	Residential	NCA01	39	45	49	45	29	48	42	44	33	50	42	49	36	PN, V
R0403	Residential	NCA01	35	43	49	46	31	49	41	43	32	46	41	48	32	PN, V
R0404	Residential	NCA01	37	45	50	46	30	49	42	44	33	49	41	48	34	PN, V
R0405	Residential	NCA01	35	46	52	48	33	51	42	44	32	46	43	49	32	PN, V, SN, RP, DR
R0406	Residential	NCA03	44	43	40	37	22	39	34	35	23	46	41	47	41	PN, V
R0407	Residential	NCA01	31	42	49	45	31	49	38	40	29	43	40	46	28	PN, V
R0408	Residential	NCA03	37	45	44	40	26	44	37	39	28	51	43	50	34	PN, V
R0409	Residential	NCA01	37	45	50	46	28	49	43	44	33	49	42	49	34	PN, V
R0410	Residential	NCA01	35	43	49	46	31	49	41	43	32	46	41	48	32	PN, V
R0411	Residential	NCA01	35	45	51	48	33	51	42	44	32	47	43	50	32	PN, V
R0412	Residential	NCA01	34	43	49	45	31	49	40	42	31	45	41	48	31	PN, V
R0413	Residential	NCA01	38	46	51	48	34	51	44	46	35	50	43	50	35	PN, V
R0414	Residential	NCA01	36	45	51	47	32	51	42	44	32	47	43	49	33	PN, V
R0415	Residential	NCA01	29	37	44	39	24	43	35	37	21	41	34	41	26	PN, V
R0416	Residential	NCA03	36	47	44	40	26	43	37	39	27	49	44	52	33	PN, V
R0417	Residential	NCA01	39	46	50	48	33	50	44	46	34	49	43	50	36	PN, V
R0418	Residential	NCA01	39	44	49	46	29	50	41	43	33	50	41	48	36	PN, V
R0419	Residential	NCA01	36	45	50	47	32	51	42	44	33	48	42	49	33	PN, V
R0420	Residential	NCA01	34	45	51	47	32	50	40	42	31	46	42	48	31	PN, V
R0421	Residential	NCA03	38	47	45	42	27	45	38	40	29	51	45	52	35	PN, V
R0422	Residential	NCA01	39	46	50	46	29	49	42	44	33	50	42	49	36	PN, V
R0423	Residential	NCA01	38	46	49	45	30	49	42	44	34	50	43	49	35	PN, V
R0424	Residential	NCA03	36	46	44	40	26	43	37	39	28	52	44	51	33	PN, V
R0425	Residential	NCA03	39	47	44	41	26	43	37	39	28	51	45	52	36	PN, V
R0426	Residential	NCA03	36	45	44	40	26	43	37	39	28	49	43	50	33	PN, V
R0427	Residential	NCA01	37	44	50	46	31	50	41	43	32	49	41	48	34	PN, V
R0428	Residential	NCA01	35	43	49	45	29	49	40	42	31	46	40	48	32	PN, V
R0429	Residential	NCA01	34	44	51	47	33	50	41	43	31	45	41	48	31	PN, V
R0430	Residential	NCA01	34	43	49	45	30	49	40	42	31	45	41	48	31	PN, V
R0431	Residential	NCA03	44	44	40	37	23	40	33	35	24	48	42	49	41	PN, V
R0432	Residential	NCA03	42	44	42	39	24	42	35	37	26	48	41	48	39	PN, V
R0433	Residential	NCA01	30	38	43	40	24	43	36	38	24	41	34	41	27	PN, V
R0434	Residential	NCA01	38	47	52	48	34	51	44	46	35	50	43	50	35	PN, V, SN, RP, DR
R0435	Residential	NCA01	27	38	44	41	28	45	34	36	22	38	35	43	24	PN, V
R0436	Residential	NCA03	42	48	43	39	25	42	36	38	27	50	45	52	39	PN, V
R0437	Residential	NCA01	37	46	49	46	31	47	44	46	33	49	42	49	34	PN, V
R0438	Active recreation	NCA03	41	49	48	46	30	48	43	45	32	53	46	53	38	-
R0439	Educational institute	NCA03	40	48	48	45	30	48	41	43	32	53	46	53	37	-
R0440	Residential	NCA03	43	44	42	38	24	41	35	37	26	48	42	49	40	PN, V
R0441	Residential	NCA03	34	45	42	38	25	41	35	37	26	50	45	52	31	PN, V
R0442	Residential	NCA01	37	45	50	46	31	50	42	44	33	48	41	48	34	PN, V
R0443	Residential	NCA03	36	44	44	40	26	44	37	38	28	51	43	50	33	PN, V
R0444	Residential	NCA01	32	41	48	45	30	48	38	40	29	43	39	46	29	PN, V
R0445	Residential	NCA01	34	44	50	46	32	48	42	44	33	44	41	48	31	PN, V
R0446	Residential	NCA03	36	45	44	40	26	44	36	38	28	49	44	51	33	PN, V
R0447	Residential	NCA01	38	45	50	46	29	50	43	44	34	50	43	50	35	PN, V
R0448	Residential	NCA03	37	45	45	41	27	44	38	40	28	51	44	51	34	PN, V
R0449	Residential	NCA01	29	35	43	39	24	42	33	35	20	40	33	40	26	PN, V
R0450	Residential	NCA03	41	46	41	37	23	40	34	36	23	48	43	50	38	PN, V
R0451	Residential	NCA03	36	44	44	40	26	44	37	39	28	51	43	50	33	PN, V
R0452	Residential	NCA03	42	49	44	40	27	44	38	39	28	51	46	53	39	PN, V, SN, RP, DR
R0453	Residential	NCA01	29	39	47	43	27	46	34	36	24	40	37	43	26	PN, V
R0454	Educational institute	NCA03	40	49	48	44	29	48	40	42	31	54	47	53	37	-
R0455	Residential	NCA01	37	45	48	45	29	49	43	45	33	49	41	48	34	PN, V
R0456	Residential	NCA01	37	45	46	45	27	46	43	45	34	50	41	48	34	PN, V
R0457	Residential	NCA01	35	43	49	45	32	47	42	44	33	43	40	47	32	PN, V
R0458	Residential	NCA01	40	45	46	44	26	46	42	44	33	51	42	49	37	PN, V
R0459	Residential	NCA03	44	47	42	39	25	41	35	37	26	49	44	51	41	PN, V
R0460	Residential	NCA01	39	44	50	46	30	50	40	42	30	50	41	48	36	PN, V
R0461	Residential	NCA01	37	47	53	49	33	50	45	47	34	48	44	49	34	PN, V, SN, RP, DR
R0462	Residential	NCA01	28	39	47	43	29	47	36	37	22	39	38	45	25	PN, V
R0463	Residential	NCA01	35	44	50	46	32	50	42	42	31	46	41	49	32	PN, V
R0464	Residential	NCA01	38	46	50	46	29	49	44	45	34	51	42	49	35	PN, V
R0465	Residential	NCA03	40	46	45	41	27	44	38	39	28	51	45	52	37	PN, V
R0466	Residential	NCA01	35	46	50	47	32	50	43	45	33	47	42	48	32	PN, V
R0467	Residential	NCA01	39	46	49	46	29	48	43	45	34	52	43	50	36	PN, V, SN, RP, DR
R0468	Residential	NCA03	37	42	44	40	26	43	37	38	28	48	40	46	34	PN, V
R0469	Educational institute	NCA03	40	48	47	43	28	47	40	42	30	52	45	52	37	-
R0470	Residential	NCA01	38	46	44	44	26	44	43	45	34	50	42	49	35	PN, V
R0471	Residential	NCA03	35	44	43	39	26	41	36	38	27	50	43	50	32	PN, V
R0472	Residential	NCA03	37	45	44	40	26	44	37	38	28	52	43	50	34	PN, V
R0473	Residential	NCA01	34	44	50	46	31	50	42	44	32	47	41	48	31	PN, V
R0474	Residential	NCA03	45	47	42	39	24	41	36	38	26	49	44	51	42	PN, V
R0475	Residential	NCA03	46	47	43	40	26	43	37	40	27	50	44	51	43	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0476	Commercial	NCA03	44	53	44	41	26	43	37	39	28	50	48	53	41	-
R0477	Residential	NCA01	35	**44**	**50**	**46**	32	**50**	**41**	**43**	32	**46**	**41**	**48**	32	PN, V
R0478	Residential	NCA01	**38**	**47**	**53**	**49**	35	**51**	**45**	**47**	36	**49**	**44**	**51**	35	PN, V, SN, RP, DR
R0479	Residential	NCA01	**37**	**45**	**50**	**47**	31	**50**	**43**	**45**	33	**49**	**42**	**49**	34	PN, V
R0480	Residential	NCA01	28	36	**44**	**39**	25	**44**	33	35	20	**40**	33	**40**	25	PN, V
R0481	Residential	NCA03	**43**	**44**	**41**	37	23	**40**	34	36	25	**47**	**41**	**48**	**40**	PN, V
R0482	Residential	NCA01	**37**	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	**42**	**49**	34	PN, V
R0483	Active recreation	NCA03	41	50	49	46	30	50	43	45	32	53	47	53	38	-
R0484	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	**42**	**49**	33	PN, V
R0485	Residential	NCA01	36	**46**	**51**	**48**	33	**51**	**42**	**44**	33	**48**	**43**	**50**	33	PN, V
R0486	Residential	NCA03	**44**	**51**	**45**	**42**	27	**44**	**38**	**40**	28	**51**	**48**	**54**	**41**	PN, V, SN, RP, DR
R0487	Residential	NCA01	34	**46**	**51**	**48**	33	**52**	**41**	**43**	31	**46**	**43**	**50**	31	PN, V, SN, RP, DR
R0488	Residential	NCA03	**44**	**43**	**40**	37	23	**39**	33	34	24	**47**	**41**	**48**	**41**	PN, V
R0489	Residential	NCA01	**38**	**45**	**50**	**46**	29	**50**	**41**	**43**	32	**49**	**42**	**49**	35	PN, V
R0490	Residential	NCA03	37	**48**	**46**	**42**	27	**45**	**39**	**40**	29	**53**	**47**	**54**	34	PN, V, SN, RP, DR
R0491	Residential	NCA01	**37**	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**48**	**42**	**49**	34	PN, V
R0492	Residential	NCA01	**37**	**45**	**51**	**47**	33	**50**	**43**	**45**	34	**47**	**42**	**49**	34	PN, V
R0493	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	**43**	**45**	33	**48**	**43**	**49**	33	PN, V
R0494	Place of worship	NCA03	44	44	40	36	22	39	33	35	24	47	42	49	41	-
R0495	Residential	NCA01	**37**	**46**	**50**	**47**	32	**50**	**43**	**45**	33	**49**	**42**	**49**	34	PN, V
R0496	Residential	NCA01	**37**	**45**	**48**	**46**	29	**48**	**43**	**45**	34	**48**	**42**	**49**	34	PN, V
R0497	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	**40**	**42**	31	**46**	**41**	**48**	31	PN, V
R0498	Residential	NCA01	**38**	**46**	**48**	**46**	27	**48**	**43**	**45**	34	**52**	**43**	**50**	35	PN, V, SN, RP, DR
R0499	Residential	NCA01	28	36	**43**	**39**	25	**42**	34	36	24	**39**	33	**40**	25	PN, V
R0500	Residential	NCA01	**38**	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**44**	**51**	35	PN, V, SN, RP, DR
R0501	Residential	NCA03	**41**	**48**	**44**	**41**	27	**44**	37	**39**	28	**51**	**46**	**53**	**38**	PN, V, SN, RP, DR
R0502	Residential	NCA01	32	**42**	**49**	**45**	31	**49**	**38**	**40**	26	**43**	**40**	**45**	29	PN, V
R0503	Residential	NCA03	**41**	**48**	**45**	**41**	27	**44**	**38**	**40**	28	**52**	**46**	**53**	**38**	PN, V, SN, RP, DR
R0504	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	**42**	**45**	33	**48**	**43**	**50**	33	PN, V, SN, RP, DR
R0505	Residential	NCA01	35	**45**	**52**	**48**	33	**51**	**42**	**44**	32	**48**	**43**	**49**	32	PN, V, SN, RP, DR
R0506	Residential	NCA01	36	**45**	**51**	**47**	34	**50**	**43**	**45**	35	**47**	**42**	**49**	33	PN, V
R0507	Residential	NCA03	**39**	**47**	**45**	**41**	28	**45**	**38**	**40**	29	**51**	**45**	**52**	36	PN, V
R0508	Residential	NCA03	33	**39**	**39**	35	22	**39**	32	34	23	**45**	**38**	**43**	30	PN, V
R0509	Residential	NCA03	**38**	**47**	**45**	**42**	27	**45**	**39**	**40**	29	**52**	**46**	**53**	35	PN, V, SN, RP, DR
R0510	Residential	NCA03	**44**	**44**	**40**	36	23	**40**	33	35	24	**47**	**41**	**48**	**41**	PN, V
R0511	Residential	NCA03	36	**47**	**41**	**38**	24	**40**	35	36	26	**48**	**44**	**51**	33	PN, V
R0512	Residential	NCA03	**43**	**49**	**43**	**40**	26	**42**	36	**38**	27	**51**	**46**	**53**	**40**	PN, V, SN, RP, DR
R0513	Residential	NCA03	**39**	**45**	**45**	**41**	27	**45**	**38**	**40**	29	**52**	**43**	**51**	36	PN, V
R0514	Residential	NCA01	**37**	**44**	**51**	**47**	31	**50**	**42**	**44**	32	**50**	**42**	**49**	34	PN, V
R0515	Residential	NCA01	34	**45**	**51**	**47**	33	**51**	**38**	**40**	28	**45**	**42**	**49**	31	PN, V
R0516	Educational institute	NCA03	39	48	47	43	29	47	39	41	30	53	45	52	36	-
R0517	Residential	NCA01	29	**40**	**48**	**44**	29	**47**	35	36	25	**40**	**38**	**44**	26	PN, V
R0518	Residential	NCA01	**38**	**46**	**50**	**47**	32	**50**	**44**	**46**	33	**50**	**42**	**49**	35	PN, V
R0519	Residential	NCA01	35	**45**	**51**	**47**	32	**50**	**40**	**42**	31	**46**	**42**	**49**	32	PN, V
R0520	Residential	NCA01	**38**	**47**	**51**	**49**	34	**52**	**45**	**47**	35	**49**	**43**	**50**	35	PN, V, SN, RP, DR
R0521	Residential	NCA01	**39**	**47**	**52**	**48**	34	**51**	**45**	**47**	35	**49**	**44**	**50**	36	PN, V, SN, RP, DR
R0522	Residential	NCA01	34	**45**	**50**	**47**	32	**50**	**42**	**44**	32	**44**	**42**	**49**	31	PN, V
R0523	Residential	NCA01	36	**45**	**51**	**47**	32	**50**	**42**	**44**	33	**47**	**42**	**49**	33	PN, V
R0524	Residential	NCA01	**40**	**46**	**49**	**46**	29	**49**	**43**	**45**	34	**51**	**43**	**50**	**37**	PN, V
R0525	Residential	NCA01	**40**	**46**	**50**	**46**	29	**49**	**44**	**46**	35	**51**	**43**	**50**	**37**	PN, V
R0526	Residential	NCA03	36	**44**	**44**	**40**	26	**43**	36	**38**	27	**50**	**43**	**50**	33	PN, V
R0527	Residential	NCA01	34	**47**	**50**	**47**	32	**51**	**41**	**42**	31	**46**	**44**	**49**	31	PN, V
R0528	Residential	NCA01	33	**43**	**50**	**46**	32	**50**	**39**	**41**	30	**45**	**41**	**48**	30	PN, V
R0529	Residential	NCA03	32	34	36	33	20	36	29	31	19	**39**	32	**39**	29	PN
R0530	Residential	NCA01	34	**44**	**50**	**46**	31	**50**	**40**	**42**	30	**45**	**41**	**48**	31	PN, V
R0531	Residential	NCA03	**44**	**46**	**41**	**38**	24	**40**	34	36	25	**48**	**43**	**50**	**41**	PN, V
R0532	Residential	NCA01	29	**40**	**46**	**42**	27	**46**	31	33	20	**40**	**37**	**43**	26	PN, V
R0533	Residential	NCA01	**40**	**47**	**49**	**47**	28	**49**	**45**	**46**	35	**52**	**44**	**51**	**37**	PN, V, SN, RP, DR
R0534	Residential	NCA01	**41**	**47**	**50**	**47**	31	**50**	**44**	**46**	35	**52**	**44**	**51**	**38**	PN, V, SN, RP, DR
R0535	Residential	NCA01	34	**44**	**50**	**46**	30	**50**	**40**	**42**	31	**45**	**41**	**48**	31	PN, V
R0536	Residential	NCA01	32	**40**	**46**	**43**	26	**48**	**38**	**40**	26	**42**	**37**	**44**	29	PN, V
R0537	Residential	NCA01	**41**	**47**	**52**	**48**	34	**51**	**44**	**46**	35	**52**	**44**	**51**	**38**	PN, V, SN, RP, DR
R0538	Residential	NCA03	**38**	**44**	**45**	**42**	27	**44**	**39**	**40**	29	**51**	**42**	**49**	35	PN, V
R0539	Residential	NCA01	**37**	**44**	**50**	**46**	31	**50**	**41**	**43**	32	**49**	**41**	**48**	34	PN, V
R0540	Residential	NCA01	31	**43**	**48**	**44**	30	**49**	**37**	**38**	23	**43**	**39**	**44**	28	PN, V
R0541	Residential	NCA01	**40**	**46**	**51**	**47**	29	**51**	**42**	**44**	32	**51**	**43**	**50**	**37**	PN, V
R0542	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	**42**	**44**	32	**47**	**42**	**49**	33	PN, V
R0543	Residential	NCA01	33	**39**	**43**	**39**	25	**43**	36	**38**	27	**43**	36	**43**	30	PN, V
R0544	Residential	NCA01	31	**45**	**50**	**46**	31	**51**	**40**	**42**	26	**42**	**41**	**48**	28	PN, V
R0545	Residential	NCA03	37	**46**	**43**	**40**	26	**43**	36	**38**	27	**50**	**45**	**52**	34	PN, V
R0546	Residential	NCA01	36	**45**	**51**	**47**	32	**51**	**43**	**44**	32	**47**	**42**	**49**	33	PN, V
R0547	Residential	NCA03	35	**39**	**39**	35	20	37	31	33	22	**42**	37	**43**	32	PN, V
R0548	Residential	NCA01	29	**38**	**45**	**41**	27	**45**	33	35	20	**41**	35	**42**	26	PN, V
R0549	Residential	NCA01	30	**39**	**46**	**43**	28	**46**	36	**38**	27	**41**	**37**	**44**	27	PN, V
R0550	Residential	NCA01	**38**	**46**	**45**	**46**	27	**45**	**42**	**44**	33	**49**	**42**	**50**	35	PN, V
R0551	Residential	NCA01	**37**	**47**	**51**	**49**	34	**52**	**44**	**46**	35	**48**	**43**	**50**	34	PN, V, SN, RP, DR
R0552	Residential	NCA03	37	**44**	**44**	**41**	26	**44**	37	**39**	28	**52**	**42**	**50**	34	PN, V
R0553	Residential	NCA03	**40**	**47**	**43**	**39**	26	**42**	35	37	26	**48**	**45**	**52**	37	PN, V
R0554	Residential	NCA01	**39**	**44**	**49**	**46**	28	**49**	**40**	**42**	30	**50**	**41**	**48**	36	PN, V
R0555	Residential	NCA01	**39**	**47**	**52**	**49**	35	**51**	**45**	**47**	36	**51**	**44**	**51**	36	PN, V, SN, RP, DR
R0556	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	**43**	**45**	32	**46**	**42**	**49**	32	PN, V
R0557	Residential	NCA03	**40**	**48**	**46**	**42**	28	**46**	**39**	**41**	30	**53**	**47**	**53**	37	PN, V, SN, RP, DR
R0558	Residential	NCA01	36	**45**	**51**	**47**	33	**51**	**43**	**45**	34	**47**	**42**	**49**	33	PN, V
R0559	Residential	NCA01	30	**44**	**50**	**46**	31	**50**	**38**	**39**	29	**41**	**42**	**49**	27	PN, V
R0560	Residential	NCA01	29	**41**	**48**	**45**	30	**48**	36	**37**	25	**41**	**39**	**45**	26	PN, V
R0561	Residential	NCA01	34	**44**	**50**	**47**	31	**50**	**40**	**42**	31	**45**	**42**	**48**	31	PN, V
R0562	Residential	NCA01	31	**42**	**50**	**46**	32	**49**	**38**	**39**	27	**42**	**40**	**47**	28	PN, V
R0563	Residential	NCA01	34	**44**	**51**	**47**	32	**50**	**40**	**42**	29	**45**	**42**	**50**	31	PN, V
R0564	Residential	NCA03	37	**49**	**46**	**42**	28	**46**	**39**	**41**	29	**53**	**45**	**52**	34	PN, V, SN, RP, DR
R0565	Residential	NCA01	**39**	**45**	**51**	**47**	30	**50**	**43**	**45**	34	**50**	**42**	**49**	36	PN, V
R0566	Residential	NCA01	35	**44**	**51**	**47**	32	**50**	**41**	**43**	32	**46**	**42**	**49**	32	PN, V
R0567	Residential	NCA01	35	**44**	**50**	**47**	32	**50**	**42**	**44**	33	**46**	**42**	**49**	32	PN, V
R0568	Residential	NCA01	**39**	**47**	**49**	**47**	29	**49**	**44**	**45**	34	**51**	**43**	**50**	36	PN, V
R0569	Residential	NCA01	36	**46**	**52**	**48**	33	**51**	**42**	**44**	33	**48**	**43**	**50**	33	PN, V, SN, RP, DR
R0570	Residential	NCA03	**42**	**47**	**42**	**38**	24	**41**	35	37	26	**49**	**44**	**51**	**39**	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0571	Residential	NCA03	41	46	42	39	24	41	35	37	25	50	44	51	38	PN, V
R0572	Residential	NCA01	35	44	50	47	31	50	41	43	32	47	42	49	32	PN, V
R0573	Residential	NCA01	35	44	49	46	31	49	41	43	32	46	41	48	32	PN, V
R0574	Residential	NCA01	37	46	51	48	34	51	43	45	34	48	43	50	34	PN, V
R0575	Residential	NCA01	32	42	48	45	28	48	38	40	28	43	39	46	29	PN, V
R0576	Residential	NCA01	39	48	55	51	35	52	47	49	37	50	46	52	36	PN, V, SN, RP, DR
R0577	Residential	NCA01	40	47	52	49	34	52	45	47	35	50	44	51	37	PN, V, SN, RP, DR
R0578	Residential	NCA03	39	46	43	39	24	41	35	37	26	51	45	52	36	PN, V
R0579	Residential	NCA01	39	46	50	46	30	50	43	44	32	50	43	49	36	PN, V
R0580	Residential	NCA03	43	50	45	41	27	44	38	40	28	51	47	54	40	PN, V, SN, RP, DR
R0581	Residential	NCA01	27	40	48	44	29	47	29	31	18	39	38	45	24	PN, V
R0582	Residential	NCA03	38	43	45	40	26	44	37	39	28	51	41	48	35	PN, V
R0583	Residential	NCA01	27	37	43	39	24	43	33	35	20	37	34	41	24	PN, V
R0584	Residential	NCA01	38	45	51	47	32	51	43	45	32	49	42	49	35	PN, V
R0585	Residential	NCA01	38	46	51	47	33	51	43	45	33	50	42	49	35	PN, V
R0586	Residential	NCA03	44	46	42	39	25	42	35	37	26	48	43	50	41	PN, V
R0587	Residential	NCA01	38	45	51	47	33	51	43	45	35	49	43	50	35	PN, V
R0588	Residential	NCA03	43	40	40	37	22	39	34	36	25	45	38	45	40	PN, V
R0589	Residential	NCA01	35	44	50	46	31	50	41	43	32	46	42	48	32	PN, V
R0590	Residential	NCA01	37	46	52	48	33	51	43	45	33	48	43	49	34	PN, V, SN, RP, DR
R0591	Residential	NCA01	37	45	51	47	33	50	42	45	34	48	42	49	34	PN, V
R0592	Residential	NCA01	37	47	52	49	34	52	43	45	34	48	44	51	34	PN, V, SN, RP, DR
R0593	Residential	NCA01	35	44	50	46	29	50	42	44	32	48	41	48	32	PN, V
R0594	Residential	NCA01	35	45	52	48	33	52	41	43	32	47	43	49	32	PN, V, SN, RP, DR
R0595	Residential	NCA01	39	46	47	45	29	47	44	45	35	51	43	50	36	PN, V
R0596	Residential	NCA01	35	44	50	47	32	51	41	43	32	46	42	48	32	PN, V
R0597	Residential	NCA01	32	41	48	44	27	47	38	40	28	43	38	45	29	PN, V
R0598	Residential	NCA01	40	48	50	48	30	49	46	48	36	53	45	52	37	PN, V, SN, RP, DR
R0599	Residential	NCA01	26	33	40	36	22	40	31	33	22	37	30	37	23	PN
R0600	Residential	NCA03	36	48	44	41	27	43	37	39	28	49	47	54	33	PN, V, SN, RP, DR
R0601	Residential	NCA01	39	45	51	47	30	50	42	44	33	51	42	49	36	PN, V
R0602	Residential	NCA03	47	47	42	39	24	41	36	37	26	49	45	52	44	PN, V
R0603	Residential	NCA03	38	46	44	41	26	43	38	39	28	50	45	51	35	PN, V
R0604	Residential	NCA01	37	44	50	46	32	49	42	44	33	48	42	49	34	PN, V
R0605	Residential	NCA01	32	41	48	44	28	48	38	40	27	43	38	45	29	PN, V
R0606	Residential	NCA01	38	47	51	48	33	51	44	46	34	49	43	49	35	PN, V
R0607	Place of worship	NCA01	33	43	49	46	32	49	38	40	30	44	41	48	30	-
R0608	Residential	NCA01	25	38	45	41	27	44	35	35	21	37	36	43	22	PN, V
R0609	Residential	NCA01	37	47	52	49	34	52	43	45	34	48	44	51	34	PN, V, SN, RP, DR
R0610	Residential	NCA01	37	45	51	47	34	51	43	46	35	47	42	49	34	PN, V
R0611	Residential	NCA03	42	49	45	41	27	44	38	40	28	51	47	54	39	PN, V, SN, RP, DR
R0612	Residential	NCA01	28	38	46	42	27	45	35	36	25	39	36	42	25	PN, V
R0613	Residential	NCA01	39	46	50	46	29	50	43	44	33	50	44	50	36	PN, V
R0614	Residential	NCA01	35	44	50	47	32	50	42	43	32	46	42	49	32	PN, V
R0615	Residential	NCA01	37	45	52	47	34	50	43	46	35	47	42	49	34	PN, V, SN, RP, DR
R0616	Residential	NCA03	48	49	43	40	26	42	36	39	26	50	46	52	45	PN, V
R0617	Residential	NCA01	36	45	51	47	34	51	44	46	35	47	42	49	33	PN, V
R0618	Educational institute	NCA03	44	42	40	36	22	39	33	34	23	46	40	47	41	-
R0619	Medical facility	NCA03	38	43	42	38	24	40	35	36	25	48	42	49	35	-
R0620	Residential	NCA01	35	45	51	47	32	51	41	43	32	46	42	49	32	PN, V
R0621	Medical facility	NCA03	44	39	38	35	21	38	31	33	19	43	36	44	41	-
R0622	Residential	NCA01	35	46	51	47	32	51	44	46	33	49	43	50	32	PN, V
R0623	Medical facility	NCA03	45	44	39	36	22	39	32	34	23	45	40	47	42	-
R0624	Residential	NCA01	38	46	51	48	33	51	44	46	34	49	43	50	35	PN, V
R0625	Residential	NCA03	36	40	39	36	21	37	32	34	22	44	38	44	33	PN, V
R0626	Residential	NCA01	34	43	50	46	30	50	40	42	31	45	41	48	31	PN, V
R0627	Residential	NCA03	48	52	44	40	26	43	38	39	27	51	50	57	45	PN, V, SN, RP, DR
R0628	Residential	NCA03	38	49	45	41	27	45	38	40	29	52	47	54	35	PN, V, SN, RP, DR
R0629	Residential	NCA01	36	44	51	47	32	51	42	44	33	48	42	49	33	PN, V
R0630	Residential	NCA01	39	46	50	46	30	50	44	46	34	52	43	50	36	PN, V, SN, RP, DR
R0631	Residential	NCA01	30	42	49	45	31	49	37	38	26	42	40	47	27	PN, V
R0632	Residential	NCA01	37	46	50	46	29	49	43	45	33	48	43	49	34	PN, V
R0633	Residential	NCA01	36	45	50	47	31	50	42	44	33	46	41	48	33	PN, V
R0634	Residential	NCA01	36	46	52	48	33	52	42	44	33	47	43	50	33	PN, V, SN, RP, DR
R0635	Residential	NCA03	37	47	44	40	26	44	37	39	28	50	47	53	34	PN, V, SN, RP, DR
R0636	Residential	NCA01	41	46	48	45	28	48	45	46	35	51	43	50	38	PN, V
R0637	Residential	NCA01	37	44	49	47	32	49	42	44	33	48	41	48	34	PN, V
R0638	Residential	NCA01	45	49	52	48	34	52	46	48	36	55	46	53	42	PN, V, SN, RP, DR
R0639	Educational institute	NCA03	47	42	41	37	23	40	34	35	23	47	40	47	44	-
R0640	Residential	NCA01	38	47	52	49	34	52	45	47	35	49	44	51	35	PN, V, SN, RP, DR
R0641	Medical facility	NCA03	46	44	41	37	23	40	34	35	24	46	41	48	43	-
R0642	Residential	NCA01	39	45	51	47	30	51	43	44	33	50	42	49	36	PN, V
R0643	Residential	NCA01	40	46	49	45	28	49	44	46	35	51	43	50	37	PN, V
R0644	Residential	NCA01	30	43	50	46	33	50	36	38	23	41	41	48	27	PN, V
R0645	Residential	NCA01	35	45	52	48	33	52	41	44	32	47	43	50	32	PN, V, SN, RP, DR
R0646	Residential	NCA01	36	45	51	48	32	51	43	44	32	47	42	49	33	PN, V
R0647	Residential	NCA01	39	47	51	48	33	51	44	46	33	50	43	50	36	PN, V
R0648	Residential	NCA03	43	49	44	41	27	43	37	39	28	52	47	54	40	PN, V, SN, RP, DR
R0649	Residential	NCA01	34	46	52	48	33	52	40	42	31	46	43	49	31	PN, V, SN, RP, DR
R0650	Residential	NCA01	39	47	51	48	30	51	44	45	33	50	44	51	36	PN, V
R0651	Residential	NCA01	28	34	41	37	24	41	31	33	20	40	32	39	25	PN
R0652	Residential	NCA01	38	47	53	49	34	53	45	47	35	49	44	51	35	PN, V, SN, RP, DR
R0653	Residential	NCA03	37	47	43	39	24	43	36	37	27	53	45	52	34	PN, V, SN, RP, DR
R0654	Residential	NCA01	38	47	52	49	35	53	45	47	35	49	44	51	35	PN, V, SN, RP, DR
R0655	Residential	NCA01	38	46	51	47	32	51	44	46	33	49	43	50	35	PN, V
R0656	Residential	NCA01	30	42	49	45	31	49	36	38	26	41	40	47	27	PN, V
R0657	Residential	NCA01	39	46	51	48	34	51	44	46	35	50	43	50	36	PN, V
R0658	Residential	NCA01	37	45	51	47	32	50	42	45	34	48	42	49	34	PN, V
R0659	Residential	NCA01	28	38	45	41	27	45	34	36	24	39	35	42	25	PN, V
R0660	Residential	NCA01	31	43	50	46	33	50	37	39	28	42	41	48	28	PN, V
R0661	Commercial	NCA03	43	53	44	41	26	43	38	40	28	50	51	56	40	-
R0662	Residential	NCA01	43	49	50	50	30	50	46	48	36	54	46	53	40	PN, V, SN, RP, DR
R0663	Residential	NCA01	28	39	47	43	29	46	34	36	25	40	37	42	25	PN, V
R0664	Residential	NCA01	36	47	53	49	34	52	43	45	33	48	44	51	33	PN, V, SN, RP, DR
R0665	Residential	NCA01	36	46	51	48	33	51	43	44	34	47	43	50	33	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0666	Residential	NCA01	38	47	54	49	34	51	46	48	35	49	45	51	35	PN, V, SN, RP, DR
R0667	Residential	NCA01	40	47	49	47	28	48	45	47	35	52	44	50	37	PN, V, SN, RP, DR
R0668	Residential	NCA01	37	46	53	48	35	51	44	47	36	48	43	50	34	PN, V, SN, RP, DR
R0669	Residential	NCA01	35	44	50	46	32	49	42	44	33	46	41	48	32	PN, V
R0670	Residential	NCA01	37	46	52	48	31	52	44	46	35	49	43	50	34	PN, V, SN, RP, DR
R0671	Residential	NCA01	29	38	46	41	27	45	34	36	23	40	35	42	26	PN, V
R0672	Residential	NCA01	39	47	51	49	33	52	45	47	35	50	43	50	36	PN, V, SN, RP, DR
R0673	Residential	NCA01	35	45	51	47	31	51	42	43	32	46	42	50	32	PN, V
R0674	Residential	NCA01	34	45	51	47	32	51	40	42	30	46	42	49	31	PN, V
R0675	Residential	NCA01	30	41	49	45	30	48	37	38	27	40	39	46	27	PN, V
R0676	Residential	NCA01	35	46	52	48	34	52	41	44	32	47	43	50	32	PN, V, SN, RP, DR
R0677	Residential	NCA01	34	45	52	48	33	52	41	43	32	46	43	49	31	PN, V, SN, RP, DR
R0678	Residential	NCA03	37	48	42	38	23	41	33	35	25	52	47	53	34	PN, V, SN, RP, DR
R0679	Educational institute	NCA03	43	44	41	37	23	40	34	35	23	47	41	48	40	-
R0680	Residential	NCA01	38	46	52	48	34	51	44	46	35	49	43	50	35	PN, V, SN, RP, DR
R0681	Residential	NCA01	37	46	52	48	33	51	43	45	34	48	43	50	34	PN, V, SN, RP, DR
R0682	Residential	NCA01	40	48	51	47	30	51	43	45	33	51	44	51	37	PN, V
R0683	Residential	NCA01	30	40	46	43	27	47	36	37	26	40	37	44	27	PN, V
R0684	Residential	NCA01	35	45	49	46	32	49	39	42	29	47	42	49	32	PN, V
R0685	Residential	NCA01	39	47	48	48	28	49	44	47	35	50	43	50	36	PN, V
R0686	Residential	NCA01	37	46	51	48	34	51	43	46	34	49	43	50	34	PN, V
R0687	Residential	NCA01	35	44	51	47	32	50	42	44	32	46	42	48	32	PN, V
R0688	Residential	NCA01	36	46	51	48	32	51	44	46	34	46	43	50	33	PN, V
R0689	Residential	NCA03	36	48	42	39	26	42	35	37	27	51	46	53	33	PN, V, SN, RP, DR
R0690	Residential	NCA01	39	47	52	48	34	52	45	46	35	50	44	51	36	PN, V, SN, RP, DR
R0691	Residential	NCA03	36	44	43	39	25	41	37	38	26	51	44	50	33	PN, V
R0692	Educational institute	NCA03	45	42	41	37	23	40	34	35	23	47	40	47	42	-
R0693	Active recreation	NCA03	39	48	46	42	28	46	39	41	30	54	46	53	36	-
R0694	Residential	NCA01	43	49	52	49	34	52	46	48	37	53	46	52	40	PN, V, SN, RP, DR
R0695	Residential	NCA01	41	46	50	48	29	49	44	46	34	52	43	50	38	PN, V, SN, RP, DR
R0696	Residential	NCA01	43	49	51	49	33	50	46	49	36	54	47	53	40	PN, V, SN, RP, DR
R0697	Residential	NCA01	35	45	50	47	32	50	41	43	31	46	42	49	32	PN, V
R0698	Residential	NCA01	30	40	49	45	30	48	35	37	26	41	39	46	27	PN, V
R0699	Residential	NCA03	35	45	44	40	26	43	37	38	26	48	44	50	32	PN, V
R0700	Residential	NCA03	38	49	45	42	27	45	38	40	29	51	48	55	35	PN, V, SN, RP, DR
R0701	Residential	NCA01	37	46	52	48	35	51	44	46	36	48	43	50	34	PN, V, SN, RP, DR
R0702	Residential	NCA01	33	44	51	47	32	52	40	41	30	44	42	48	30	PN, V, SN, RP, DR
R0703	Residential	NCA01	40	47	53	49	35	53	45	48	36	51	44	51	37	PN, V, SN, RP, DR
R0704	Residential	NCA01	33	42	49	45	28	49	39	40	29	45	39	46	30	PN, V
R0705	Residential	NCA01	28	38	44	40	26	44	35	36	25	40	35	42	25	PN, V
R0706	Residential	NCA01	37	47	52	49	34	52	44	46	34	48	44	50	34	PN, V, SN, RP, DR
R0707	Residential	NCA01	31	39	44	40	25	43	37	38	27	42	36	43	28	PN, V
R0708	Residential	NCA01	35	43	50	46	31	50	40	41	31	46	41	48	32	PN, V
R0709	Residential	NCA01	37	47	52	49	34	52	43	45	34	48	44	51	34	PN, V, SN, RP, DR
R0710	Residential	NCA01	37	46	52	48	32	52	43	45	33	47	43	50	34	PN, V, SN, RP, DR
R0711	Residential	NCA01	40	49	51	47	30	50	46	47	36	53	45	52	37	PN, V, SN, RP, DR
R0712	Residential	NCA01	42	48	52	48	31	51	46	47	37	53	45	52	39	PN, V, SN, RP, DR
R0713	Residential	NCA03	39	40	40	37	23	39	33	35	23	45	38	45	36	PN, V
R0714	Residential	NCA01	40	47	51	48	32	51	45	46	35	51	44	51	37	PN, V
R0715	Residential	NCA01	38	48	52	49	33	52	45	47	32	49	43	50	35	PN, V, SN, RP, DR
R0716	Residential	NCA01	35	45	51	47	32	51	42	44	33	46	42	49	32	PN, V
R0717	Residential	NCA01	37	45	52	48	33	51	43	45	34	48	43	50	34	PN, V, SN, RP, DR
R0718	Residential	NCA03	39	48	43	39	25	41	36	38	27	49	46	52	36	PN, V
R0719	Residential	NCA01	37	46	51	48	33	51	44	46	35	49	43	50	34	PN, V
R0720	Residential	NCA01	30	39	46	43	28	47	36	37	26	40	37	44	27	PN, V
R0721	Residential	NCA01	40	48	51	47	31	51	44	45	33	51	44	51	37	PN, V
R0722	Residential	NCA01	30	38	45	41	27	45	36	38	25	39	35	42	27	PN, V
R0723	Residential	NCA01	35	45	51	47	32	51	42	44	33	47	42	49	32	PN, V
R0724	Residential	NCA01	35	45	51	47	32	51	41	43	31	47	42	49	32	PN, V
R0725	Residential	NCA01	36	46	52	49	33	52	43	45	34	49	44	51	33	PN, V, SN, RP, DR
R0726	Residential	NCA01	37	46	52	48	32	52	44	45	33	47	43	50	34	PN, V, SN, RP, DR
R0727	Residential	NCA01	40	46	51	47	30	50	42	44	33	50	43	49	37	PN, V
R0728	Residential	NCA03	47	46	40	36	23	39	32	34	21	49	44	51	44	PN, V
R0729	Residential	NCA01	40	50	51	50	33	50	48	50	36	54	46	53	37	PN, V, SN, RP, DR
R0730	Residential	NCA01	35	45	51	47	32	51	42	44	32	46	43	50	32	PN, V
R0731	Residential	NCA01	38	48	52	48	33	52	45	47	35	50	43	50	35	PN, V, SN, RP, DR
R0732	Residential	NCA01	40	47	51	49	31	51	46	47	36	52	44	51	37	PN, V, SN, RP, DR
R0733	Residential	NCA01	40	47	51	48	32	52	45	46	33	51	43	50	37	PN, V, SN, RP, DR
R0734	Residential	NCA01	37	47	53	49	34	53	44	46	34	48	44	51	34	PN, V, SN, RP, DR
R0735	Residential	NCA01	30	39	46	43	28	46	36	38	26	41	36	43	27	PN, V
R0736	Educational institute	NCA03	40	36	39	35	22	38	31	32	18	42	34	41	37	-
R0737	Residential	NCA01	38	48	53	50	35	53	45	47	36	49	45	52	35	PN, V, SN, RP, DR
R0738	Residential	NCA01	23	31	39	34	21	40	29	30	18	35	28	36	20	PN
R0739	Residential	NCA03	42	52	46	43	28	45	39	40	30	54	49	56	39	PN, V, SN, RP, DR
R0740	Residential	NCA03	45	46	42	38	24	41	35	36	25	49	44	51	42	PN, V
R0741	Residential	NCA03	39	51	46	42	28	44	39	40	29	53	48	55	36	PN, V, SN, RP, DR
R0742	Residential	NCA01	38	48	53	50	35	53	45	47	36	50	45	52	35	PN, V, SN, RP, DR
R0743	Residential	NCA01	31	43	50	46	33	50	38	39	28	42	41	48	28	PN, V
R0744	Medical facility	NCA03	45	43	40	37	22	40	33	35	23	46	39	45	42	-
R0745	Residential	NCA01	41	48	53	50	35	53	46	48	37	51	45	52	38	PN, V, SN, RP, DR
R0746	Residential	NCA03	41	49	41	38	25	41	35	37	26	45	46	53	38	PN, V, SN, RP, DR
R0747	Residential	NCA03	37	36	34	30	16	34	27	29	14	43	34	41	34	PN, V
R0748	Residential	NCA01	40	48	52	48	30	51	42	44	30	51	45	52	37	PN, V, SN, RP, DR
R0749	Residential	NCA03	49	49	43	40	26	42	36	38	26	50	46	53	46	PN, V, SN, RP, DR
R0750	Residential	NCA01	30	37	43	39	26	43	35	37	25	41	34	41	27	PN, V
R0751	Commercial	NCA03	38	52	45	41	27	43	38	40	29	54	48	55	35	-
R0752	Residential	NCA01	41	49	50	48	29	50	47	48	37	52	46	52	38	PN, V, SN, RP, DR
R0753	Residential	NCA01	38	48	52	50	35	53	45	47	35	49	44	51	35	PN, V, SN, RP, DR
R0754	Residential	NCA03	38	47	43	39	24	42	34	36	25	54	45	52	35	PN, V, SN, RP, DR
R0755	Residential	NCA01	33	42	50	46	32	50	40	41	31	45	40	47	30	PN, V
R0756	Residential	NCA01	42	47	51	47	32	51	43	45	34	54	44	51	39	PN, V, SN, RP, DR
R0757	Residential	NCA01	27	34	41	37	24	41	32	33	23	39	32	38	24	PN
R0758	Residential	NCA03	49	48	43	40	26	43	37	38	26	50	46	53	46	PN, V, SN, RP, DR
R0759	Residential	NCA01	39	47	52	48	32	52	44	46	32	50	44	51	36	PN, V, SN, RP, DR
R0760	Residential	NCA01	38	47	52	48	33	52	45	47	34	50	43	50	35	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0761	Residential	NCA01	**46**	**51**	**51**	**48**	32	**51**	**44**	**46**	33	**55**	**47**	**54**	**43**	PN, V, SN, RP, DR
R0762	Residential	NCA01	**37**	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	**44**	**51**	34	PN, V, SN, RP, DR
R0763	Residential	NCA03	**50**	**48**	**43**	**40**	25	**42**	36	**38**	27	**51**	**46**	**53**	**47**	PN, V, SN, RP, DR
R0764	Residential	NCA01	28	**40**	**47**	**43**	29	**47**	35	**37**	24	**39**	**37**	**43**	25	PN, V
R0765	Residential	NCA01	27	33	**39**	35	22	**39**	31	32	21	**37**	30	36	24	PN
R0766	Residential	NCA01	36	**46**	**52**	**48**	32	**52**	**43**	**44**	33	**47**	**43**	**50**	33	PN, V, SN, RP, DR
R0767	Educational institute	NCA03	47	44	40	37	23	40	34	36	24	47	41	49	44	-
R0768	Residential	NCA01	**40**	**49**	**54**	**51**	36	**53**	**46**	**48**	**37**	**51**	**46**	**53**	**37**	PN, V, SN, RP, DR
R0769	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**43**	**44**	33	**46**	**43**	**50**	33	PN, V
R0770	Residential	NCA01	30	**41**	**49**	**45**	31	**49**	35	**37**	25	**40**	**40**	**47**	27	PN, V
R0771	Residential	NCA03	**42**	**51**	**45**	**42**	28	**44**	**39**	**41**	29	**52**	**49**	**55**	**39**	PN, V, SN, RP, DR
R0772	Residential	NCA01	28	34	**38**	35	22	**38**	32	34	23	**39**	32	**39**	25	PN
R0773	Residential	NCA03	**41**	**51**	**43**	**40**	26	**42**	36	**38**	27	**47**	**48**	**55**	**38**	PN, V, SN, RP, DR
R0774	Residential	NCA01	**39**	**49**	**54**	**51**	**37**	**53**	**46**	**48**	**37**	**51**	**46**	**52**	36	PN, V, SN, RP, DR
R0775	Residential	NCA01	32	**45**	**51**	**47**	32	**50**	**39**	**41**	29	**44**	**42**	**49**	29	PN, V
R0776	Educational institute	NCA03	39	36	38	34	20	37	29	32	16	42	34	41	36	-
R0777	Residential	NCA03	**47**	**53**	**44**	**41**	27	**44**	**38**	**39**	28	**52**	**50**	**57**	**44**	PN, V, SN, RP, DR
R0778	Residential	NCA01	**37**	**48**	**54**	**50**	35	**54**	**43**	**45**	34	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R0779	Residential	NCA01	34	**46**	**51**	**48**	30	**52**	**41**	**43**	30	**46**	**43**	**50**	31	PN, V, SN, RP, DR
R0780	Residential	NCA01	36	**47**	**53**	**49**	33	**52**	**43**	**45**	34	**48**	**44**	**51**	33	PN, V, SN, RP, DR
R0781	Residential	NCA01	**39**	**46**	**52**	**49**	33	**53**	**43**	**45**	32	**50**	**44**	**51**	36	PN, V, SN, RP, DR
R0782	Residential	NCA01	35	**45**	**50**	**47**	32	**50**	**42**	**44**	32	**46**	**42**	**49**	32	PN, V
R0783	Active recreation	NCA03	45	52	50	48	32	50	45	47	34	57	49	56	42	-
R0784	Residential	NCA03	**38**	**44**	**43**	**40**	26	**42**	37	**38**	27	**50**	**43**	**50**	35	PN, V
R0785	Educational institute	NCA03	48	44	40	37	23	40	33	35	24	48	41	49	45	-
R0786	Residential	NCA01	27	33	**39**	35	21	**40**	31	33	21	**38**	30	**37**	24	PN
R0787	Residential	NCA01	**38**	**46**	**52**	**49**	34	**52**	**44**	**46**	35	**50**	**43**	**50**	35	PN, V, SN, RP, DR
R0788	Residential	NCA01	**39**	**48**	**52**	**48**	30	**51**	**43**	**44**	34	**51**	**45**	**52**	36	PN, V, SN, RP, DR
R0789	Residential	NCA01	33	**44**	**51**	**47**	33	**50**	**40**	**42**	31	**44**	**41**	**48**	30	PN, V
R0790	Residential	NCA03	**39**	**45**	**41**	**38**	24	**40**	35	36	25	**49**	**43**	**50**	36	PN, V
R0791	Residential	NCA01	36	**48**	**54**	**51**	35	**53**	**44**	**45**	34	**48**	**46**	**52**	33	PN, V, SN, RP, DR
R0792	Residential	NCA03	**40**	**49**	**45**	**41**	27	**44**	**38**	**40**	29	**50**	**46**	**52**	37	PN, V
R0793	Residential	NCA03	**38**	**46**	**45**	**41**	27	**43**	**38**	**39**	28	**50**	**42**	**50**	35	PN, V
R0794	Residential	NCA03	**43**	**48**	**44**	**40**	27	**44**	37	**39**	28	**51**	**46**	**53**	**40**	PN, V, SN, RP, DR
R0795	Residential	NCA01	**38**	**46**	**52**	**48**	35	**51**	**44**	**47**	36	**49**	**43**	**50**	35	PN, V, SN, RP, DR
R0796	Residential	NCA03	**46**	**51**	**42**	**39**	24	**40**	35	36	26	**49**	**51**	**57**	**43**	PN, V, SN, RP, DR
R0797	Residential	NCA01	35	**46**	**52**	**48**	34	**52**	**40**	**42**	32	**45**	**43**	**50**	32	PN, V, SN, RP, DR
R0798	Residential	NCA01	34	**45**	**50**	**48**	30	**50**	**41**	**43**	30	**45**	**42**	**49**	31	PN, V
R0799	Residential	NCA01	33	**47**	**51**	**48**	32	**51**	**41**	**42**	30	**44**	**44**	**49**	30	PN, V
R0800	Residential	NCA01	32	**45**	**52**	**48**	33	**51**	**38**	**39**	27	**42**	**43**	**49**	29	PN, V, SN, RP, DR
R0801	Residential	NCA01	31	**42**	**50**	**46**	32	**50**	**37**	**39**	27	**42**	**40**	**47**	28	PN, V
R0802	Residential	NCA01	**47**	**53**	**51**	**51**	33	**51**	**49**	**51**	**37**	**56**	**50**	**57**	**44**	PN, V, SN, RP, DR
R0803	Residential	NCA01	**39**	**46**	**52**	**48**	32	**52**	**45**	**45**	34	**50**	**44**	**51**	36	PN, V, SN, RP, DR
R0804	Residential	NCA03	37	**44**	**44**	**41**	27	**43**	**38**	**40**	29	**49**	**43**	**50**	34	PN, V
R0805	Residential	NCA01	**38**	**46**	**52**	**48**	35	**52**	**44**	**47**	36	**48**	**43**	**50**	35	PN, V, SN, RP, DR
R0806	Educational institute	NCA03	47	43	40	37	23	39	33	35	22	45	41	48	44	-
R0807	Residential	NCA03	**39**	**47**	**46**	**42**	28	**44**	**39**	**41**	29	**53**	**44**	**51**	36	PN, V, SN, RP, DR
R0808	Residential	NCA01	**39**	**47**	**53**	**49**	34	**52**	**45**	**47**	35	**50**	**44**	**51**	36	PN, V, SN, RP, DR
R0809	Residential	NCA01	30	36	**41**	**37**	23	**41**	34	35	24	**40**	33	**40**	27	PN
R0810	Educational institute	NCA03	46	44	41	37	22	40	34	35	22	48	42	49	43	-
R0811	Residential	NCA01	36	**47**	**52**	**48**	34	**52**	**42**	**44**	33	**46**	**44**	**51**	33	PN, V, SN, RP, DR
R0812	Residential	NCA03	**40**	**53**	**48**	**45**	30	**48**	**42**	**44**	31	**56**	**51**	**58**	37	PN, V, SN, RP, DR
R0813	Residential	NCA01	30	**40**	**48**	**44**	30	**48**	35	36	24	**40**	**38**	**45**	27	PN, V
R0814	Residential	NCA01	**41**	**51**	**50**	**49**	29	**49**	**47**	**48**	36	**52**	**48**	**53**	**38**	PN, V, SN, RP, DR
R0815	Residential	NCA01	**38**	**47**	**52**	**49**	34	**52**	**44**	**46**	35	**49**	**45**	**51**	35	PN, V, SN, RP, DR
R0816	Residential	NCA03	**39**	**51**	**47**	**44**	30	**47**	**41**	**42**	31	**53**	**49**	**55**	36	PN, V, SN, RP, DR
R0817	Residential	NCA03	**42**	**54**	**49**	**45**	30	**48**	**43**	**44**	33	**56**	**51**	**58**	**39**	PN, V, SN, RP, DR
R0818	Educational institute	NCA03	50	43	40	37	23	40	33	35	22	46	40	47	47	-
R0819	Residential	NCA01	35	**45**	**51**	**47**	31	**51**	**41**	**43**	31	**46**	**42**	**49**	32	PN, V
R0820	Residential	NCA01	35	**47**	**53**	**49**	35	**53**	**42**	**44**	32	**46**	**44**	**51**	32	PN, V, SN, RP, DR
R0821	Residential	NCA01	**37**	**46**	**52**	**48**	32	**52**	**43**	**45**	33	**48**	**43**	**50**	34	PN, V, SN, RP, DR
R0822	Residential	NCA01	**42**	**52**	**51**	**47**	30	**50**	**47**	**49**	36	**54**	**48**	**55**	**39**	PN, V, SN, RP, DR
R0823	Residential	NCA03	**40**	**50**	**46**	**43**	29	**45**	**40**	**42**	30	**54**	**47**	**54**	37	PN, V, SN, RP, DR
R0824	Residential	NCA01	28	**38**	**46**	**42**	27	**45**	31	33	23	**40**	35	**42**	25	PN, V
R0825	Residential	NCA01	**37**	**47**	**53**	**49**	34	**53**	**43**	**46**	34	**48**	**44**	**51**	34	PN, V, SN, RP, DR
R0826	Residential	NCA01	**40**	**49**	**46**	**47**	27	**46**	**47**	**49**	**37**	**51**	**47**	**53**	**37**	PN, V, SN, RP, DR
R0827	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	**41**	**43**	31	**46**	**43**	**50**	31	PN, V, SN, RP, DR
R0828	Residential	NCA01	35	**46**	**52**	**48**	32	**52**	**41**	**43**	31	**45**	**43**	**50**	32	PN, V, SN, RP, DR
R0829	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**44**	**44**	32	**47**	**43**	**50**	33	PN, V
R0830	Residential	NCA01	31	**44**	**51**	**47**	33	**50**	34	35	24	**42**	**41**	**48**	28	PN, V
R0831	Residential	NCA01	**40**	**48**	**50**	**48**	32	**49**	**46**	**48**	**37**	**52**	**45**	**52**	**37**	PN, V, SN, RP, DR
R0832	Residential	NCA01	**38**	**48**	**53**	**50**	33	**53**	**46**	**48**	34	**49**	**44**	**51**	35	PN, V, SN, RP, DR
R0833	Residential	NCA01	**41**	**47**	**52**	**49**	32	**51**	**45**	**47**	36	**52**	**44**	**51**	**38**	PN, V, SN, RP, DR
R0834	Residential	NCA01	**37**	**47**	**53**	**49**	32	**52**	**43**	**45**	34	**48**	**44**	**50**	34	PN, V, SN, RP, DR
R0835	Residential	NCA01	**40**	**50**	**49**	**45**	28	**50**	**43**	**45**	34	**52**	**47**	**54**	**37**	PN, V, SN, RP, DR
R0836	Residential	NCA01	28	**41**	**48**	**44**	30	**48**	35	36	25	**39**	**38**	**46**	25	PN, V
R0837	Residential	NCA01	31	**37**	**43**	**39**	25	**43**	35	**37**	25	**39**	34	**41**	28	PN, V
R0838	Residential	NCA01	35	**46**	**52**	**48**	33	**51**	**42**	**43**	31	**46**	**43**	**49**	32	PN, V, SN, RP, DR
R0839	Residential	NCA01	**42**	**50**	**51**	**47**	31	**51**	**46**	**48**	36	**53**	**47**	**54**	**39**	PN, V, SN, RP, DR
R0840	Residential	NCA01	**37**	**47**	**52**	**49**	32	**52**	**43**	**45**	33	**47**	**44**	**51**	34	PN, V, SN, RP, DR
R0841	Residential	NCA03	**38**	**51**	**44**	**41**	27	**43**	37	**39**	29	**50**	**48**	**55**	35	PN, V, SN, RP, DR
R0842	Educational institute	NCA03	45	37	36	33	19	36	29	30	17	40	34	41	42	-
R0843	Residential	NCA01	**43**	**52**	**49**	**50**	29	**49**	**46**	**48**	36	**53**	**48**	**55**	**40**	PN, V, SN, RP, DR
R0844	Residential	NCA01	**37**	**46**	**51**	**48**	32	**51**	**43**	**45**	33	**47**	**44**	**50**	34	PN, V
R0845	Residential	NCA01	**39**	**47**	**52**	**48**	33	**52**	**45**	**47**	34	**51**	**43**	**50**	36	PN, V, SN, RP, DR
R0846	Residential	NCA03	**38**	**48**	**44**	**41**	27	**43**	**38**	**40**	29	**54**	**46**	**53**	35	PN, V, SN, RP, DR
R0847	Residential	NCA01	**40**	**48**	**53**	**49**	32	**52**	**45**	**47**	35	**51**	**45**	**52**	**37**	PN, V, SN, RP, DR
R0848	Residential	NCA01	26	33	**38**	34	21	**38**	31	32	21	**37**	29	36	23	PN
R0849	Residential	NCA01	36	**46**	**51**	**48**	32	**51**	**43**	**45**	33	**47**	**43**	**50**	33	PN, V
R0850	Residential	NCA01	**47**	**52**	**50**	**47**	31	**50**	**46**	**48**	**37**	**56**	**49**	**56**	**44**	PN, V, SN, RP, DR
R0851	Active recreation	NCA03	46	53	50	49	32	53	46	48	35	58	50	57	43	-
R0852	Medical facility	NCA03	44	43	38	35	21	38	31	33	22	45	40	47	41	-
R0853	Residential	NCA01	30	**40**	**48**	**44**	29	**47**	**37**	**38**	26	**39**	**38**	**45**	27	PN, V
R0854	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	**40**	**42**	30	**43**	**43**	**50**	31	PN, V, SN, RP, DR
R0855	Residential	NCA01	**48**	**53**	**54**	**51**	35	**54**	**49**	**51**	**37**	**57**	**49**	**56**	**45**	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0856	Residential	NCA03	40	53	47	44	29	47	41	43	31	53	51	58	37	PN, V, SN, RP, DR
R0857	Residential	NCA03	41	51	50	47	32	50	44	46	33	55	48	55	38	PN, V, SN, RP, DR
R0858	Residential	NCA01	26	32	38	34	21	38	30	32	21	38	29	36	23	PN
R0859	Residential	NCA01	37	46	52	49	33	53	42	44	32	47	44	51	34	PN, V, SN, RP, DR
R0860	Residential	NCA01	41	52	58	54	38	54	50	52	40	53	49	55	38	PN, V, SN, RP, DR
R0861	Residential	NCA01	34	46	52	48	34	52	41	43	32	46	43	50	31	PN, V, SN, RP, DR
R0862	Residential	NCA01	31	43	51	47	33	50	35	38	24	42	41	48	28	PN, V
R0863	Residential	NCA03	36	52	45	41	28	44	38	40	29	47	50	56	33	PN, V, SN, RP, DR
R0864	Residential	NCA03	40	50	50	47	31	51	45	47	34	54	48	54	37	PN, V, SN, RP, DR
R0865	Residential	NCA03	40	52	48	45	30	48	42	43	33	54	49	56	37	PN, V, SN, RP, DR
R0866	Educational institute	NCA03	40	39	38	34	20	38	31	33	20	43	36	43	37	-
R0867	Residential	NCA01	39	49	52	50	34	53	46	48	36	50	44	51	36	PN, V, SN, RP, DR
R0868	Residential	NCA03	37	51	44	40	26	44	36	38	25	54	47	54	34	PN, V, SN, RP, DR
R0869	Residential	NCA03	40	52	48	45	30	48	42	44	33	55	49	55	37	PN, V, SN, RP, DR
R0870	Residential	NCA03	47	47	43	39	24	42	35	37	26	49	45	52	44	PN, V
R0871	Residential	NCA01	37	46	52	49	34	52	44	45	35	48	44	51	34	PN, V, SN, RP, DR
R0872	Residential	NCA03	40	51	46	43	28	46	40	42	31	54	48	54	37	PN, V, SN, RP, DR
R0873	Residential	NCA01	33	42	50	46	32	49	37	40	28	44	40	46	30	PN, V
R0874	Residential	NCA03	40	48	47	43	29	45	40	41	31	52	46	52	37	PN, V
R0875	Residential	NCA03	40	51	48	45	30	48	42	43	32	55	48	55	37	PN, V, SN, RP, DR
R0876	Residential	NCA01	36	47	52	49	33	52	43	45	34	47	44	51	33	PN, V, SN, RP, DR
R0877	Residential	NCA03	42	45	40	36	22	39	33	34	22	48	43	50	39	PN, V
R0878	Residential	NCA03	37	45	46	42	27	46	39	40	26	48	45	52	34	PN, V
R0879	Residential	NCA03	42	52	45	41	27	45	37	39	28	57	50	56	39	PN, V, SN, RP, DR
R0880	Residential	NCA01	40	51	49	47	30	49	43	45	34	52	48	55	37	PN, V, SN, RP, DR
R0881	Residential	NCA01	36	47	50	49	32	50	43	44	33	46	43	50	33	PN, V
R0882	Residential	NCA03	42	52	49	45	31	49	42	44	33	56	50	57	39	PN, V, SN, RP, DR
R0883	Residential	NCA03	49	54	53	49	33	54	47	49	37	60	51	58	46	PN, V, SN, RP, DR
R0884	Residential	NCA01	36	46	53	49	32	53	43	45	33	47	44	51	33	PN, V, SN, RP, DR
R0885	Residential	NCA01	46	52	50	49	30	50	47	49	37	55	49	56	43	PN, V, SN, RP, DR
R0886	Residential	NCA01	38	48	53	50	36	52	46	48	37	49	45	52	35	PN, V, SN, RP, DR
R0887	Residential	NCA01	29	36	42	38	25	42	33	35	25	41	33	40	26	PN, V
R0888	Educational institute	NCA03	44	42	42	38	24	41	34	36	24	48	39	46	41	-
R0889	Residential	NCA03	45	46	42	38	24	41	35	37	26	50	44	51	42	PN, V
R0890	Residential	NCA01	29	40	48	44	30	47	36	37	26	41	38	45	26	PN, V
R0891	Residential	NCA01	40	48	53	49	32	53	45	47	35	51	44	51	37	PN, V, SN, RP, DR
R0892	Educational institute	NCA03	48	43	40	36	23	40	33	34	24	46	41	48	45	-
R0893	Residential	NCA01	40	48	53	49	34	53	46	48	36	51	44	51	37	PN, V, SN, RP, DR
R0894	Residential	NCA01	42	50	53	50	35	53	47	48	37	53	47	54	39	PN, V, SN, RP, DR
R0895	Residential	NCA03	47	51	45	42	28	44	38	40	29	53	49	55	44	PN, V, SN, RP, DR
R0896	Residential	NCA03	45	44	41	38	23	40	34	36	25	48	42	50	42	PN, V
R0897	Residential	NCA01	35	46	52	48	33	52	41	43	29	46	43	50	32	PN, V, SN, RP, DR
R0898	Residential	NCA03	39	51	42	38	25	41	35	36	24	50	48	55	36	PN, V, SN, RP, DR
R0899	Residential	NCA01	39	48	54	50	37	51	46	48	38	50	45	52	36	PN, V, SN, RP, DR
R0900	Residential	NCA01	39	48	53	50	36	53	45	47	37	51	45	52	36	PN, V, SN, RP, DR
R0901	Residential	NCA01	30	40	48	44	29	47	36	38	26	41	38	45	27	PN, V
R0902	Residential	NCA01	37	48	54	50	35	53	44	46	34	48	45	52	34	PN, V, SN, RP, DR
R0903	Residential	NCA01	32	42	49	45	30	49	38	39	28	41	40	47	29	PN, V
R0904	Residential	NCA01	27	34	41	37	23	42	33	34	23	39	31	38	24	PN, V
R0905	Residential	NCA01	47	53	53	50	34	51	47	49	37	57	50	57	44	PN, V, SN, RP, DR
R0906	Residential	NCA03	34	51	43	40	26	43	36	38	28	46	49	56	31	PN, V, SN, RP, DR
R0907	Residential	NCA01	28	35	41	38	24	41	32	34	24	39	32	38	25	PN
R0908	Residential	NCA01	47	52	50	50	30	49	47	49	37	56	48	55	44	PN, V, SN, RP, DR
R0909	Residential	NCA03	42	52	48	44	29	47	41	43	31	57	49	56	39	PN, V, SN, RP, DR
R0910	Residential	NCA01	28	34	41	37	23	41	31	33	23	39	32	38	25	PN
R0911	Residential	NCA01	36	48	53	50	35	53	44	46	34	48	45	51	33	PN, V, SN, RP, DR
R0912	Residential	NCA01	34	45	52	48	35	52	40	42	31	45	43	50	31	PN, V, SN, RP, DR
R0913	Educational institute	NCA03	47	42	39	36	22	39	32	34	22	45	39	46	44	-
R0914	Residential	NCA03	42	52	49	45	30	48	42	43	32	57	50	57	39	PN, V, SN, RP, DR
R0915	Residential	NCA03	53	48	43	39	25	42	36	37	26	51	45	52	50	PN, V, SN, RP, DR
R0916	Residential	NCA03	46	53	47	44	28	46	41	42	31	54	51	57	43	PN, V, SN, RP, DR
R0917	Residential	NCA01	36	48	53	50	34	53	44	45	34	47	45	52	33	PN, V, SN, RP, DR
R0918	Residential	NCA01	41	50	54	51	37	54	46	48	38	52	46	53	38	PN, V, SN, RP, DR
R0919	Residential	NCA01	37	47	52	49	32	52	43	45	33	48	44	51	34	PN, V, SN, RP, DR
R0920	Residential	NCA01	38	47	53	49	35	53	45	47	36	49	44	51	35	PN, V, SN, RP, DR
R0921	Residential	NCA03	42	53	47	43	29	45	40	42	31	57	50	57	39	PN, V, SN, RP, DR
R0922	Residential	NCA01	26	39	46	42	28	45	32	34	22	37	36	42	23	PN, V
R0923	Residential	NCA01	46	52	51	47	30	50	47	49	38	54	49	54	43	PN, V, SN, RP, DR
R0924	Residential	NCA01	30	47	52	49	33	52	37	39	27	42	44	51	27	PN, V, SN, RP, DR
R0925	Residential	NCA01	46	53	51	51	30	50	47	49	38	56	49	56	43	PN, V, SN, RP, DR
R0926	Residential	NCA01	38	47	52	49	35	52	45	47	36	49	44	51	35	PN, V, SN, RP, DR
R0927	Residential	NCA03	43	51	47	44	29	46	41	42	31	56	49	56	40	PN, V, SN, RP, DR
R0928	Residential	NCA03	41	51	48	45	30	48	42	44	32	55	48	55	38	PN, V, SN, RP, DR
R0929	Residential	NCA01	29	41	48	44	30	48	35	36	25	40	38	45	26	PN, V
R0930	Residential	NCA01	24	38	45	41	28	45	30	32	20	35	36	42	21	PN, V
R0931	Residential	NCA01	28	35	43	39	25	45	32	33	23	40	33	40	25	PN, V
R0932	Residential	NCA03	52	48	43	40	26	42	36	38	26	51	46	53	49	PN, V, SN, RP, DR
R0933	Residential	NCA01	47	53	54	51	35	51	49	51	37	57	49	56	44	PN, V, SN, RP, DR
R0934	Residential	NCA01	27	36	43	39	25	42	32	34	23	39	33	40	24	PN, V
R0935	Residential	NCA01	33	47	52	49	31	52	41	43	30	45	44	50	30	PN, V, SN, RP, DR
R0936	Residential	NCA03	39	49	44	41	27	43	38	39	29	56	48	54	36	PN, V, SN, RP, DR
R0937	Residential	NCA01	32	46	52	48	32	52	37	39	25	41	43	50	29	PN, V, SN, RP, DR
R0938	Residential	NCA01	22	32	38	34	20	38	29	32	17	33	29	36	19	PN
R0939	Residential	NCA01	31	44	52	48	33	52	38	39	28	42	42	49	28	PN, V, SN, RP, DR
R0940	Residential	NCA01	42	52	53	50	32	53	47	49	36	53	48	55	39	PN, V, SN, RP, DR
R0941	Residential	NCA01	40	49	53	49	33	53	46	47	35	51	45	52	37	PN, V, SN, RP, DR
R0942	Residential	NCA01	40	49	53	50	35	54	46	48	36	50	45	52	37	PN, V, SN, RP, DR
R0943	Residential	NCA03	41	54	45	43	28	45	39	41	30	55	50	57	38	PN, V, SN, RP, DR
R0944	Residential	NCA03	46	46	43	39	24	42	35	37	26	49	44	50	43	PN, V
R0945	Residential	NCA01	44	51	51	50	31	50	47	49	38	55	49	56	41	PN, V, SN, RP, DR
R0946	Residential	NCA03	52	54	44	40	26	43	37	38	27	52	51	57	49	PN, V, SN, RP, DR
R0947	Residential	NCA01	32	46	52	48	31	52	43	44	30	43	43	50	29	PN, V, SN, RP, DR
R0948	Residential	NCA01	34	46	52	48	32	51	42	43	31	46	43	50	31	PN, V, SN, RP, DR
R0949	Residential	NCA01	36	48	54	50	35	54	44	46	34	48	45	52	33	PN, V, SN, RP, DR
R0950	Residential	NCA03	39	50	47	42	29	45	39	40	30	48	48	54	36	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R0951	Residential	NCA01	**43**	**53**	**53**	**50**	35	**53**	**46**	**48**	35	**54**	**50**	**57**	**40**	PN, V, SN, RP, DR
R0952	Residential	NCA01	32	**44**	**51**	**47**	33	**51**	**38**	**39**	27	**43**	**41**	**49**	29	PN, V
R0953	Residential	NCA01	**37**	**47**	**52**	**49**	32	**53**	**43**	**46**	33	**48**	**44**	**51**	34	PN, V, SN, RP, DR
R0954	Residential	NCA03	34	**46**	**44**	**40**	26	**42**	36	**38**	25	**51**	**44**	**50**	31	PN, V
R0955	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	**38**	**39**	28	**44**	**42**	**48**	28	PN, V
R0956	Residential	NCA01	34	**46**	**51**	**48**	33	**51**	**42**	**44**	30	**45**	**43**	**50**	31	PN, V
R0957	Residential	NCA01	23	29	36	32	18	35	26	28	18	35	26	33	20	-
R0958	Residential	NCA01	**37**	**47**	**52**	**49**	32	**52**	**44**	**45**	32	**48**	**44**	**51**	34	PN, V, SN, RP, DR
R0959	Residential	NCA01	**38**	**49**	**54**	**51**	35	**55**	**44**	**46**	34	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R0960	Residential	NCA01	29	36	**42**	**38**	24	**42**	32	35	24	**40**	33	**39**	26	PN, V
R0961	Residential	NCA01	**42**	**51**	**53**	**50**	33	**53**	**47**	**48**	**37**	**54**	**49**	**55**	**39**	PN, V, SN, RP, DR
R0962	Residential	NCA01	31	**42**	**49**	**45**	30	**49**	**37**	**39**	27	**42**	**39**	**47**	28	PN, V
R0963	Residential	NCA01	30	36	**43**	**39**	26	**43**	35	**37**	26	**41**	34	**41**	27	PN, V
R0964	Residential	NCA01	36	**48**	**53**	**50**	36	**53**	**43**	**45**	33	**46**	**44**	**51**	33	PN, V, SN, RP, DR
R0965	Residential	NCA01	35	**47**	**53**	**49**	34	**53**	**42**	**44**	32	**47**	**44**	**51**	32	PN, V, SN, RP, DR
R0966	Residential	NCA03	**42**	**54**	**48**	**44**	30	**47**	**41**	**43**	32	**55**	**50**	**57**	**39**	PN, V, SN, RP, DR
R0967	Residential	NCA01	27	35	**42**	**38**	25	**44**	30	32	22	**39**	32	**40**	24	PN, V
R0968	Residential	NCA01	36	**47**	**53**	**49**	35	**53**	**44**	**45**	34	**48**	**45**	**52**	33	PN, V, SN, RP, DR
R0969	Residential	NCA01	**38**	**47**	**52**	**49**	32	**52**	**43**	**45**	33	**47**	**44**	**51**	35	PN, V, SN, RP, DR
R0970	Medical facility	NCA03	44	43	39	35	21	38	32	34	23	45	39	46	41	-
R0971	Residential	NCA01	28	36	**42**	**38**	24	**43**	33	35	24	**40**	33	**40**	25	PN, V
R0972	Residential	NCA01	**39**	**48**	**54**	**50**	36	**54**	**46**	**48**	**37**	**48**	**45**	**52**	36	PN, V, SN, RP, DR
R0973	Residential	NCA01	**41**	**52**	**53**	**49**	31	**52**	**44**	**45**	35	**53**	**48**	**55**	**38**	PN, V, SN, RP, DR
R0974	Residential	NCA01	**41**	**49**	**54**	**50**	34	**54**	**47**	**48**	**38**	**50**	**45**	**52**	**38**	PN, V, SN, RP, DR
R0975	Medical facility	NCA01	31	40	48	44	30	48	37	39	27	42	38	45	28	-
R0976	Residential	NCA01	**48**	**53**	**53**	**51**	33	**51**	**47**	**49**	36	**57**	**49**	**56**	**45**	PN, V, SN, RP, DR
R0977	Residential	NCA01	36	**47**	**53**	**49**	33	**53**	**43**	**44**	33	**47**	**44**	**51**	33	PN, V, SN, RP, DR
R0978	Residential	NCA01	**38**	**47**	**53**	**49**	32	**53**	**43**	**45**	33	**47**	**44**	**51**	35	PN, V, SN, RP, DR
R0979	Residential	NCA03	**41**	**51**	**43**	**39**	25	**42**	36	**38**	25	**56**	**48**	**55**	**38**	PN, V, SN, RP, DR
R0980	Residential	NCA03	**40**	**53**	**45**	**42**	28	**44**	**39**	**41**	30	**55**	**50**	**56**	37	PN, V, SN, RP, DR
R0981	Residential	NCA01	34	**45**	**52**	**48**	34	**52**	**40**	**41**	30	**46**	**43**	**49**	31	PN, V, SN, RP, DR
R0982	Residential	NCA03	**39**	**51**	**46**	**42**	28	**45**	**39**	**41**	30	**56**	**49**	**56**	36	PN, V, SN, RP, DR
R0983	Residential	NCA01	34	**46**	**53**	**49**	34	**52**	**41**	**42**	30	**44**	**43**	**50**	31	PN, V, SN, RP, DR
R0984	Residential	NCA01	**38**	**49**	**54**	**51**	35	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R0985	Residential	NCA01	**41**	**49**	**53**	**50**	33	**53**	**46**	**48**	35	**51**	**45**	**52**	**38**	PN, V, SN, RP, DR
R0986	Residential	NCA01	**37**	**49**	**55**	**51**	36	**54**	**44**	**46**	34	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R0987	Residential	NCA03	**43**	**52**	**49**	**46**	31	**49**	**43**	**45**	32	**55**	**49**	**55**	**40**	PN, V, SN, RP, DR
R0988	Residential	NCA01	27	35	**41**	**37**	24	**41**	32	33	22	**39**	31	**38**	24	PN
R0989	Medical facility	NCA03	41	40	37	34	20	37	30	32	20	43	36	44	38	-
R0990	Residential	NCA01	**40**	**48**	**53**	**50**	34	**54**	**47**	**48**	**37**	**51**	**45**	**52**	**37**	PN, V, SN, RP, DR
R0991	Residential	NCA01	**38**	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R0992	Residential	NCA01	35	**48**	**53**	**50**	36	**54**	**42**	**44**	32	**46**	**45**	**51**	32	PN, V, SN, RP, DR
R0993	Residential	NCA01	28	36	**44**	**40**	26	**45**	33	35	23	**39**	34	**40**	25	PN, V
R0994	Residential	NCA01	36	**48**	**54**	**50**	36	**54**	**44**	**45**	34	**48**	**45**	**52**	33	PN, V, SN, RP, DR
R0995	Residential	NCA01	36	**47**	**53**	**50**	34	**53**	**44**	**46**	34	**47**	**44**	**52**	33	PN, V, SN, RP, DR
R0996	Residential	NCA03	**41**	**52**	**48**	**44**	30	**46**	**41**	**43**	32	**57**	**50**	**57**	**38**	PN, V, SN, RP, DR
R0997	Residential	NCA01	36	**45**	**51**	**48**	33	**51**	**42**	**44**	31	**46**	**43**	**50**	33	PN, V
R0998	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	**40**	**41**	29	**44**	**42**	**49**	30	PN, V, SN, RP, DR
R0999	Residential	NCA03	**52**	**50**	**43**	**39**	25	**42**	36	37	27	**53**	**48**	**54**	**49**	PN, V, SN, RP, DR
R1000	Residential	NCA01	34	**47**	**53**	**49**	33	**53**	**40**	**42**	29	**45**	**44**	**51**	31	PN, V, SN, RP, DR
R1001	Residential	NCA01	**37**	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**48**	**44**	**51**	34	PN, V
R1002	Residential	NCA01	**37**	**49**	**54**	**51**	35	**54**	**44**	**46**	34	**48**	**46**	**53**	34	PN, V, SN, RP, DR
R1003	Residential	NCA01	**38**	**49**	**54**	**51**	36	**54**	**45**	**47**	36	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R1004	Residential	NCA01	33	**42**	**49**	**45**	30	**48**	**39**	**41**	29	**44**	**39**	**46**	30	PN, V
R1005	Residential	NCA01	26	31	**37**	33	20	**37**	28	30	20	**37**	28	35	23	PN
R1006	Residential	NCA01	32	**43**	**51**	**47**	32	**50**	**38**	**40**	29	**43**	**41**	**47**	29	PN, V
R1007	Residential	NCA03	**40**	**53**	**46**	**42**	29	**45**	**38**	**40**	28	**55**	**50**	**56**	37	PN, V, SN, RP, DR
R1008	Residential	NCA01	27	**37**	**45**	**42**	27	**45**	30	32	22	**39**	35	**42**	24	PN, V
R1009	Residential	NCA01	**40**	**48**	**53**	**50**	34	**54**	**45**	**48**	36	**51**	**45**	**52**	**37**	PN, V, SN, RP, DR
R1010	Residential	NCA01	32	**44**	**52**	**48**	33	**51**	**38**	**40**	28	**42**	**42**	**49**	29	PN, V, SN, RP, DR
R1011	Residential	NCA03	**42**	**54**	**48**	**44**	30	**47**	**40**	**42**	31	**57**	**51**	**58**	**39**	PN, V, SN, RP, DR
R1012	Residential	NCA01	**48**	**53**	**53**	**52**	35	**52**	**50**	**52**	**38**	**57**	**50**	**57**	**45**	PN, V, SN, RP, DR
R1013	Residential	NCA01	**45**	**52**	**51**	**50**	31	**50**	**47**	**49**	35	**54**	**49**	**56**	**42**	PN, V, SN, RP, DR
R1014	Residential	NCA01	34	**46**	**51**	**48**	32	**52**	36	**38**	26	**45**	**43**	**50**	31	PN, V, SN, RP, DR
R1015	Residential	NCA01	31	**39**	**45**	**41**	27	**45**	**37**	**38**	26	**41**	36	**43**	28	PN, V
R1016	Residential	NCA01	**41**	**50**	**53**	**51**	35	**53**	**47**	**49**	**37**	**51**	**45**	**53**	**38**	PN, V, SN, RP, DR
R1017	Residential	NCA03	**52**	**54**	**44**	**40**	26	**43**	37	**39**	27	**53**	**52**	**57**	**49**	PN, V, SN, RP, DR
R1018	Residential	NCA01	**42**	**50**	**56**	**52**	**38**	**55**	**48**	**50**	**39**	**53**	**47**	**53**	**39**	PN, V, SN, RP, DR
R1019	Residential	NCA01	32	**43**	**49**	**45**	29	**49**	**40**	**42**	31	**44**	**40**	**47**	29	PN, V
R1020	Residential	NCA01	31	**46**	**52**	**48**	33	**52**	**38**	**39**	27	**42**	**43**	**50**	28	PN, V, SN, RP, DR
R1021	Residential	NCA01	**37**	**47**	**53**	**49**	34	**53**	**43**	**45**	34	**47**	**44**	**51**	34	PN, V, SN, RP, DR
R1022	Residential	NCA01	**40**	**48**	**54**	**50**	33	**54**	**46**	**48**	35	**51**	**45**	**52**	**37**	PN, V, SN, RP, DR
R1023	Residential	NCA01	**42**	**50**	**56**	**51**	**38**	**55**	**48**	**50**	**39**	**52**	**46**	**54**	**39**	PN, V, SN, RP, DR
R1024	Residential	NCA03	**39**	**56**	**46**	**43**	28	**45**	**40**	**42**	30	**54**	**54**	**58**	36	PN, V, SN, RP, DR
R1025	Medical facility	NCA01	34	46	52	48	34	52	41	42	30	46	43	50	31	-
R1026	Residential	NCA01	28	35	**42**	**38**	24	**42**	32	34	23	**40**	33	**40**	25	PN, V
R1027	Residential	NCA03	**43**	**55**	**45**	**42**	28	**45**	**39**	**41**	30	**54**	**52**	**57**	**40**	PN, V, SN, RP, DR
R1028	Residential	NCA01	**39**	**49**	**53**	**49**	34	**53**	**46**	**48**	**37**	**50**	**45**	**52**	36	PN, V, SN, RP, DR
R1029	Residential	NCA03	**43**	**52**	**50**	**47**	31	**50**	**45**	**47**	34	**56**	**48**	**55**	**40**	PN, V, SN, RP, DR
R1030	Residential	NCA01	28	**38**	**46**	**42**	28	**45**	31	33	23	**39**	35	**42**	25	PN, V
R1031	Residential	NCA03	**42**	**52**	**49**	**45**	31	**48**	**42**	**44**	31	**56**	**49**	**56**	**39**	PN, V, SN, RP, DR
R1032	Residential	NCA01	36	**47**	**52**	**49**	32	**52**	**44**	**45**	34	**48**	**44**	**51**	33	PN, V, SN, RP, DR
R1033	Residential	NCA01	**41**	**49**	**55**	**51**	**37**	**53**	**47**	**49**	**38**	**52**	**46**	**54**	**38**	PN, V, SN, RP, DR
R1034	Residential	NCA01	**48**	**54**	**52**	**53**	35	**52**	**50**	**52**	**39**	**57**	**51**	**58**	**45**	PN, V, SN, RP, DR
R1035	Residential	NCA01	**38**	**47**	**53**	**49**	33	**53**	**42**	**44**	31	**49**	**44**	**51**	35	PN, V, SN, RP, DR
R1036	Residential	NCA03	**44**	**54**	**46**	**42**	27	**45**	**40**	**41**	29	**53**	**51**	**58**	**41**	PN, V, SN, RP, DR
R1037	Medical facility	NCA03	46	43	39	35	22	38	32	33	23	45	40	47	43	-
R1038	Residential	NCA01	28	36	**43**	**39**	24	**43**	34	35	24	**40**	33	**40**	25	PN, V
R1039	Residential	NCA01	35	**47**	**52**	**48**	31	**52**	**45**	**47**	32	**47**	**45**	**52**	32	PN, V, SN, RP, DR
R1040	Residential	NCA01	33	**47**	**53**	**49**	35	**53**	**39**	**41**	30	**45**	**44**	**50**	30	PN, V, SN, RP, DR
R1041	Residential	NCA01	28	**37**	**45**	**40**	26	**43**	31	33	22	**40**	34	**40**	25	PN, V
R1042	Residential	NCA01	**40**	**48**	**54**	**50**	34	**54**	**46**	**48**	**37**	**50**	**45**	**52**	**37**	PN, V, SN, RP, DR
R1043	Residential	NCA01	**47**	**54**	**54**	**51**	36	**53**	**49**	**51**	**38**	**57**	**50**	**57**	**44**	PN, V, SN, RP, DR
R1044	Residential	NCA01	**37**	**48**	**54**	**51**	34	**54**	**41**	**43**	32	**48**	**46**	**53**	34	PN, V, SN, RP, DR
R1045	Residential	NCA01	**38**	**49**	**54**	**51**	36	**54**	**45**	**47**	35	**49**	**46**	**53**	35	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1046	Residential	NCA03	47	45	41	38	24	41	34	36	24	49	43	50	44	PN, V
R1047	Residential	NCA03	41	52	48	45	30	46	42	43	31	56	49	56	38	PN, V, SN, RP, DR
R1048	Residential	NCA03	43	55	47	43	29	45	41	43	31	56	52	59	40	PN, V, SN, RP, DR
R1049	Residential	NCA03	44	54	48	45	31	48	42	44	32	54	51	58	41	PN, V, SN, RP, DR
R1050	Residential	NCA01	37	49	55	51	36	54	44	46	34	49	46	53	34	PN, V, SN, RP, DR
R1051	Residential	NCA01	29	37	44	40	26	45	34	36	25	41	34	41	26	PN, V
R1052	Residential	NCA03	40	53	40	38	23	38	35	36	26	56	50	57	37	PN, V, SN, RP, DR
R1053	Residential	NCA01	47	54	53	52	36	53	48	50	39	57	50	57	44	PN, V, SN, RP, DR
R1054	Residential	NCA03	46	54	51	47	33	50	44	46	32	59	51	57	43	PN, V, SN, RP, DR
R1055	Residential	NCA03	47	56	46	42	28	44	40	42	29	55	53	59	44	PN, V, SN, RP, DR
R1056	Residential	NCA03	50	46	41	38	24	41	35	37	26	49	43	51	47	PN, V
R1057	Residential	NCA01	40	49	55	51	37	53	47	49	38	51	46	53	37	PN, V, SN, RP, DR
R1058	Residential	NCA01	37	49	55	51	36	55	44	46	34	48	46	54	34	PN, V, SN, RP, DR
R1059	Residential	NCA01	35	48	54	50	35	54	46	48	36	46	45	52	32	PN, V, SN, RP, DR
R1060	Residential	NCA01	47	54	53	51	35	53	48	50	39	56	50	57	44	PN, V, SN, RP, DR
R1061	Residential	NCA01	34	45	52	48	32	52	41	43	31	45	43	50	31	PN, V, SN, RP, DR
R1062	Residential	NCA03	44	56	47	43	28	45	40	42	30	55	53	60	41	PN, V, SN, RP, DR
R1063	Residential	NCA01	36	48	54	50	35	53	43	45	34	47	45	52	33	PN, V, SN, RP, DR
R1064	Residential	NCA03	43	56	46	43	29	45	41	43	31	57	53	59	40	PN, V, SN, RP, DR
R1065	Residential	NCA01	46	53	53	50	34	53	47	49	36	55	50	57	43	PN, V, SN, RP, DR
R1066	Residential	NCA01	48	54	53	50	36	53	49	50	39	56	50	57	45	PN, V, SN, RP, DR
R1067	Residential	NCA03	41	55	46	43	29	45	40	41	30	50	52	56	38	PN, V, SN, RP, DR
R1068	Residential	NCA01	41	48	52	50	31	52	47	48	36	52	45	52	38	PN, V, SN, RP, DR
R1069	Residential	NCA01	33	42	48	45	29	48	40	41	29	43	39	46	30	PN, V
R1070	Residential	NCA01	36	47	53	50	33	52	45	46	34	46	45	52	33	PN, V, SN, RP, DR
R1071	Residential	NCA03	43	55	47	44	30	47	41	43	32	58	52	59	40	PN, V, SN, RP, DR
R1072	Residential	NCA01	38	50	55	52	36	54	44	46	34	48	47	53	35	PN, V, SN, RP, DR
R1073	Residential	NCA03	50	46	41	37	24	40	34	36	25	50	43	51	47	PN, V
R1074	Residential	NCA01	44	52	53	49	32	53	47	48	38	54	49	56	41	PN, V, SN, RP, DR
R1075	Residential	NCA01	30	39	46	42	28	46	36	38	24	41	37	44	27	PN, V
R1076	Residential	NCA03	56	43	34	31	17	34	26	27	16	44	42	49	53	PN, V, SN, RP, DR
R1077	Residential	NCA01	33	45	52	48	34	52	40	41	30	45	42	49	30	PN, V, SN, RP, DR
R1078	Residential	NCA01	39	48	54	50	36	54	46	48	37	50	45	52	36	PN, V, SN, RP, DR
R1079	Residential	NCA01	46	53	53	51	32	52	47	49	36	54	49	56	43	PN, V, SN, RP, DR
R1080	Residential	NCA01	33	45	52	48	34	52	39	40	29	44	43	50	30	PN, V, SN, RP, DR
R1081	Residential	NCA01	28	37	43	40	26	43	33	35	24	40	35	40	25	PN, V
R1082	Residential	NCA03	49	55	53	50	34	55	47	49	39	56	51	58	46	PN, V, SN, RP, DR
R1083	Residential	NCA01	44	50	54	50	35	53	46	48	36	53	47	53	41	PN, V, SN, RP, DR
R1084	Residential	NCA01	38	48	53	50	33	53	41	41	30	49	46	52	35	PN, V, SN, RP, DR
R1085	Residential	NCA01	27	34	40	36	23	40	32	34	23	39	31	38	24	PN
R1086	Educational institute	NCA03	52	43	41	37	24	40	34	36	24	47	40	45	49	-
R1087	Medical facility	NCA03	45	44	39	35	22	39	32	34	24	45	40	47	42	-
R1088	Residential	NCA03	56	47	42	38	24	41	35	36	26	50	44	50	53	PN, V, SN, RP, DR
R1089	Residential	NCA01	33	43	51	47	32	51	39	41	29	44	41	48	30	PN, V
R1090	Residential	NCA01	24	30	34	30	17	34	26	28	18	36	27	34	21	-
R1091	Residential	NCA03	44	51	48	44	30	48	41	42	31	57	48	55	41	PN, V, SN, RP, DR
R1092	Residential	NCA01	37	48	54	50	34	54	43	45	33	48	46	52	34	PN, V, SN, RP, DR
R1093	Residential	NCA01	40	49	54	51	34	54	47	49	37	51	46	53	37	PN, V, SN, RP, DR
R1094	Residential	NCA03	41	51	44	42	26	42	39	41	30	56	49	56	38	PN, V, SN, RP, DR
R1095	Residential	NCA03	41	55	46	45	29	45	42	43	32	57	52	58	38	PN, V, SN, RP, DR
R1096	Residential	NCA01	24	30	35	32	18	35	28	30	19	36	27	34	21	-
R1097	Residential	NCA03	40	52	44	41	26	43	37	39	28	54	49	54	37	PN, V, SN, RP, DR
R1098	Residential	NCA01	23	32	38	34	20	38	27	29	17	34	30	36	20	PN
R1099	Medical facility	NCA03	44	44	39	35	22	39	32	34	23	45	40	47	41	-
R1100	Residential	NCA01	30	38	44	40	25	43	35	37	26	42	35	42	27	PN, V
R1101	Residential	NCA03	42	53	46	44	29	45	41	43	31	57	49	56	39	PN, V, SN, RP, DR
R1102	Residential	NCA01	36	48	53	50	34	53	43	45	34	48	45	52	33	PN, V, SN, RP, DR
R1103	Residential	NCA03	53	46	41	38	24	41	34	36	22	50	44	52	50	PN, V, SN, RP, DR
R1104	Residential	NCA03	40	50	42	39	25	41	36	38	26	51	47	54	37	PN, V, SN, RP, DR
R1105	Residential	NCA01	30	41	49	45	30	48	33	35	25	41	39	45	27	PN, V
R1106	Residential	NCA01	30	43	51	47	32	50	37	38	27	42	41	47	27	PN, V
R1107	Residential	NCA03	45	53	50	47	32	49	45	46	34	56	50	57	42	PN, V, SN, RP, DR
R1108	Residential	NCA01	47	54	54	51	35	54	48	49	38	55	51	58	44	PN, V, SN, RP, DR
R1109	Residential	NCA01	27	39	46	42	27	46	29	31	20	38	36	43	24	PN, V
R1110	Residential	NCA01	23	35	41	37	23	41	26	28	18	35	32	37	20	PN
R1111	Residential	NCA01	34	47	54	49	35	53	40	42	30	45	44	51	31	PN, V, SN, RP, DR
R1112	Residential	NCA01	32	44	50	47	31	50	39	41	29	44	42	49	29	PN, V
R1113	Residential	NCA03	54	50	42	39	25	42	35	37	25	52	48	55	51	PN, V, SN, RP, DR
R1114	Residential	NCA01	33	42	49	45	30	49	39	41	29	44	39	46	30	PN, V
R1115	Residential	NCA01	29	38	45	41	27	45	36	37	26	40	35	42	26	PN, V
R1116	Residential	NCA03	43	54	46	42	28	44	39	41	30	50	51	58	40	PN, V, SN, RP, DR
R1117	Residential	NCA01	41	50	55	50	36	54	48	49	38	53	46	54	38	PN, V, SN, RP, DR
R1118	Residential	NCA01	30	39	47	43	29	47	33	35	25	41	37	43	27	PN, V
R1119	Residential	NCA01	39	49	54	51	37	54	47	49	38	51	46	53	36	PN, V, SN, RP, DR
R1120	Residential	NCA01	41	51	57	53	39	55	49	51	40	52	48	56	38	PN, V, SN, RP, DR
R1121	Residential	NCA01	41	50	55	52	37	53	48	50	37	51	47	54	38	PN, V, SN, RP, DR
R1122	Residential	NCA01	26	31	36	32	19	35	27	29	20	38	28	35	23	PN
R1123	Residential	NCA03	52	46	39	36	22	39	32	34	22	51	43	50	49	PN, V
R1124	Residential	NCA01	41	49	55	51	36	54	46	48	37	50	46	53	38	PN, V, SN, RP, DR
R1125	Residential	NCA01	36	48	54	50	33	54	38	40	28	48	45	52	33	PN, V, SN, RP, DR
R1126	Residential	NCA01	34	46	53	50	35	53	40	42	30	45	44	51	31	PN, V, SN, RP, DR
R1127	Residential	NCA01	41	51	56	53	39	56	48	51	40	52	48	55	38	PN, V, SN, RP, DR
R1128	Residential	NCA03	40	54	44	40	25	43	36	38	27	53	52	58	37	PN, V, SN, RP, DR
R1129	Residential	NCA01	26	34	40	36	22	40	31	33	23	38	31	37	23	PN
R1130	Residential	NCA01	41	49	56	52	38	53	48	50	39	51	46	53	38	PN, V, SN, RP, DR
R1131	Residential	NCA03	54	46	39	35	21	38	32	33	22	46	42	49	51	PN, V, SN, RP, DR
R1132	Residential	NCA01	36	49	54	50	35	53	43	44	34	47	45	51	33	PN, V, SN, RP, DR
R1133	Residential	NCA01	38	49	55	52	35	55	45	47	34	49	47	54	35	PN, V, SN, RP, DR
R1134	Commercial	NCA03	46	45	40	37	23	40	33	35	25	47	42	49	43	-
R1135	Residential	NCA01	42	51	56	53	38	56	48	51	39	52	48	55	39	PN, V, SN, RP, DR
R1136	Residential	NCA01	31	40	46	42	27	46	37	38	27	42	37	44	28	PN, V
R1137	Residential	NCA01	40	49	55	52	35	55	46	49	38	51	46	53	37	PN, V, SN, RP, DR
R1138	Residential	NCA03	55	51	43	39	26	42	36	37	25	53	49	55	52	PN, V, SN, RP, DR
R1139	Residential	NCA03	44	58	48	45	30	46	41	43	32	55	54	60	41	PN, V, SN, RP, DR
R1140	Residential	NCA01	35	48	53	50	33	53	42	44	31	47	45	53	32	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1141	Residential	NCA01	31	**43**	**48**	**45**	30	**49**	**37**	**38**	27	**42**	**40**	**46**	28	PN, V
R1142	Residential	NCA03	**44**	**52**	**48**	**44**	30	**47**	**40**	**42**	31	**56**	**48**	**55**	**41**	PN, V, SN, RP, DR
R1143	Residential	NCA01	36	**48**	**53**	**50**	33	**53**	**45**	**45**	33	**46**	**45**	**52**	33	PN, V, SN, RP, DR
R1144	Residential	NCA01	36	**48**	**54**	**51**	34	**54**	**43**	**44**	33	**48**	**45**	**52**	33	PN, V, SN, RP, DR
R1145	Residential	NCA01	33	**43**	**50**	**46**	31	**50**	**39**	**41**	29	**43**	**40**	**47**	30	PN, V
R1146	Residential	NCA03	**42**	**53**	**46**	**43**	28	**45**	**40**	**41**	30	**54**	**50**	**57**	**39**	PN, V, SN, RP, DR
R1147	Residential	NCA01	36	**46**	**52**	**49**	34	**52**	**44**	**45**	33	**47**	**44**	**51**	33	PN, V, SN, RP, DR
R1148	Residential	NCA01	**41**	**51**	**56**	**53**	**37**	**56**	**48**	**50**	**37**	**52**	**48**	**55**	**38**	PN, V, SN, RP, DR
R1149	Residential	NCA03	**42**	**53**	**46**	**44**	29	**45**	**41**	**42**	32	**56**	**49**	**56**	**39**	PN, V, SN, RP, DR
R1150	Residential	NCA03	**54**	**51**	**44**	**41**	27	**44**	**38**	**39**	26	**53**	**48**	**55**	**51**	PN, V, SN, RP, DR
R1151	Residential	NCA01	33	**47**	**54**	**50**	**37**	**54**	**41**	**43**	31	**44**	**45**	**52**	30	PN, V, SN, RP, DR
R1152	Residential	NCA03	**50**	**57**	**53**	**51**	34	**53**	**47**	**49**	36	**60**	**53**	**60**	**47**	PN, V, SN, RP, DR
R1153	Residential	NCA03	**43**	**55**	**42**	**39**	25	**42**	36	37	26	**53**	**52**	**59**	**40**	PN, V, SN, RP, DR
R1154	Residential	NCA03	**40**	**54**	**44**	**41**	26	**44**	**38**	**40**	29	**53**	**52**	**57**	37	PN, V, SN, RP, DR
R1155	Residential	NCA01	23	32	**37**	34	20	**39**	27	29	19	35	28	34	20	PN
R1156	Residential	NCA01	**38**	**48**	**54**	**50**	35	**53**	**45**	**47**	36	**49**	**45**	**51**	35	PN, V, SN, RP, DR
R1157	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	**38**	**39**	28	**43**	**43**	**49**	28	PN, V, SN, RP, DR
R1158	Residential	NCA01	36	**48**	**54**	**50**	35	**54**	**42**	**44**	34	**47**	**45**	**52**	33	PN, V, SN, RP, DR
R1159	Residential	NCA01	28	36	**44**	**39**	26	**45**	33	35	24	**40**	33	**41**	25	PN, V
R1160	Residential	NCA03	**42**	**53**	**49**	**46**	31	**49**	**44**	**43**	30	**57**	**50**	**57**	**39**	PN, V, SN, RP, DR
R1161	Residential	NCA03	**41**	**55**	**44**	**41**	25	**43**	**38**	**39**	28	**53**	**52**	**58**	**38**	PN, V, SN, RP, DR
R1162	Residential	NCA01	28	**38**	**43**	**39**	25	**43**	35	36	25	**40**	34	**41**	25	PN, V
R1163	Residential	NCA03	**40**	**51**	**46**	**42**	28	**45**	**40**	**41**	30	**52**	**50**	**57**	37	PN, V, SN, RP, DR
R1164	Residential	NCA01	28	36	**44**	**39**	26	**43**	31	33	23	**40**	33	**40**	25	PN, V
R1165	Residential	NCA01	28	**37**	**43**	**40**	25	**44**	34	35	24	**40**	34	**41**	25	PN, V
R1166	Residential	NCA01	35	**47**	**54**	**50**	35	**54**	**42**	**44**	31	**46**	**45**	**52**	32	PN, V, SN, RP, DR
R1167	Residential	NCA03	**54**	**53**	**46**	**42**	27	**44**	**38**	**39**	28	**54**	**51**	**57**	**51**	PN, V, SN, RP, DR
R1168	Residential	NCA03	**41**	**57**	**45**	**41**	27	**43**	**38**	**40**	29	**55**	**53**	**60**	**38**	PN, V, SN, RP, DR
R1169	Residential	NCA01	27	33	**39**	35	23	**39**	31	33	22	**39**	30	**37**	24	PN
R1170	Residential	NCA03	**54**	**44**	36	33	18	36	29	31	16	**47**	**41**	**48**	**51**	PN, V, SN, RP, DR
R1171	Residential	NCA01	**38**	**49**	**55**	**51**	36	**55**	**44**	**45**	32	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R1172	Residential	NCA03	**40**	**56**	**46**	**42**	28	**45**	**39**	**41**	30	**53**	**53**	**59**	37	PN, V, SN, RP, DR
R1173	Residential	NCA01	31	**43**	**50**	**46**	32	**50**	**37**	**39**	27	**42**	**41**	**47**	28	PN, V
R1174	Residential	NCA01	**37**	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	34	PN, V, SN, RP, DR
R1175	Residential	NCA01	36	**47**	**53**	**50**	35	**53**	**43**	**44**	33	**47**	**45**	**52**	33	PN, V, SN, RP, DR
R1176	Residential	NCA01	**39**	**50**	**56**	**53**	**38**	**56**	**47**	**49**	**39**	**51**	**47**	**55**	36	PN, V, SN, RP, DR
R1177	Residential	NCA01	**37**	**50**	**55**	**52**	35	**55**	**46**	**48**	35	**49**	**47**	**54**	34	PN, V, SN, RP, DR
R1178	Residential	NCA01	**37**	**50**	**55**	**51**	36	**55**	**45**	**47**	35	**48**	**47**	**55**	34	PN, V, SN, RP, DR
R1179	Commercial	NCA01	36	50	55	52	36	55	44	46	33	48	47	54	33	-
R1180	Residential	NCA01	**40**	**51**	**56**	**52**	**37**	**55**	**48**	**49**	**38**	**51**	**47**	**54**	**37**	PN, V, SN, RP, DR
R1181	Residential	NCA03	**42**	**55**	**45**	**42**	27	**44**	**39**	**40**	30	**55**	**53**	**60**	**39**	PN, V, SN, RP, DR
R1182	Residential	NCA03	**52**	**57**	**55**	**52**	35	**54**	**49**	**51**	**38**	**60**	**53**	**60**	**49**	PN, V, SN, RP, DR
R1183	Residential	NCA03	**40**	**56**	**46**	**43**	29	**45**	**40**	**42**	31	**55**	**53**	**60**	37	PN, V, SN, RP, DR
R1184	Residential	NCA03	**41**	**52**	**52**	**48**	32	**50**	**46**	**48**	35	**58**	**50**	**57**	**38**	PN, V, SN, RP, DR
R1185	Residential	NCA03	**44**	**56**	**45**	**42**	27	**44**	**39**	**40**	29	**53**	**52**	**59**	**41**	PN, V, SN, RP, DR
R1186	Residential	NCA01	31	**46**	**51**	**48**	34	**54**	35	36	26	**42**	**42**	**49**	28	PN, V, SN, RP, DR
R1187	Residential	NCA03	**44**	**54**	**49**	**45**	30	**46**	**43**	**44**	32	**57**	**51**	**58**	**41**	PN, V, SN, RP, DR
R1188	Residential	NCA03	**40**	**53**	**45**	**42**	27	**44**	**39**	**40**	28	**51**	**52**	**59**	37	PN, V, SN, RP, DR
R1189	Residential	NCA03	**42**	**55**	**46**	**43**	29	**45**	**40**	**42**	30	**56**	**52**	**57**	**39**	PN, V, SN, RP, DR
R1190	Residential	NCA01	32	**47**	**55**	**51**	36	**54**	**39**	**40**	28	**44**	**45**	**52**	29	PN, V, SN, RP, DR
R1191	Residential	NCA01	36	**50**	**55**	**52**	**38**	**55**	**44**	**45**	33	**46**	**47**	**53**	33	PN, V, SN, RP, DR
R1192	Residential	NCA03	**43**	**52**	**47**	**43**	30	**45**	**40**	**42**	31	**57**	**50**	**57**	**40**	PN, V, SN, RP, DR
R1193	Residential	NCA01	**39**	**50**	**56**	**52**	**37**	**55**	**48**	**49**	**38**	**51**	**47**	**54**	36	PN, V, SN, RP, DR
R1194	Residential	NCA01	26	**38**	**45**	**41**	28	**45**	30	32	22	**38**	35	**42**	23	PN, V
R1195	Residential	NCA01	**47**	**54**	**54**	**53**	36	**53**	**50**	**52**	**38**	**55**	**50**	**57**	**44**	PN, V, SN, RP, DR
R1196	Residential	NCA01	32	**46**	**53**	**50**	35	**53**	**39**	**40**	29	**44**	**44**	**51**	29	PN, V, SN, RP, DR
R1197	Residential	NCA03	**58**	**48**	**42**	**38**	24	**41**	34	37	24	**48**	**44**	**51**	**55**	PN, V, SN, RP, DR
R1198	Residential	NCA01	**42**	**51**	**54**	**50**	34	**54**	**49**	**51**	**39**	**52**	**47**	**54**	**39**	PN, V, SN, RP, DR
R1199	Residential	NCA01	33	**45**	**51**	**48**	33	**51**	**40**	**41**	29	**44**	**43**	**50**	30	PN, V
R1200	Residential	NCA01	**39**	**50**	**55**	**52**	36	**56**	**46**	**48**	**37**	**51**	**47**	**54**	36	PN, V, SN, RP, DR
R1201	Residential	NCA01	**37**	**48**	**53**	**50**	34	**54**	**45**	**47**	35	**48**	**46**	**52**	34	PN, V, SN, RP, DR
R1202	Residential	NCA01	**46**	**53**	**52**	**52**	32	**52**	**49**	**51**	**40**	**55**	**50**	**57**	**43**	PN, V, SN, RP, DR
R1203	Residential	NCA01	**38**	**49**	**55**	**51**	34	**54**	**45**	**47**	35	**49**	**47**	**53**	35	PN, V, SN, RP, DR
R1204	Residential	NCA01	29	**41**	**49**	**45**	31	**49**	33	35	25	**41**	**39**	**46**	26	PN, V
R1205	Residential	NCA03	**42**	**52**	**45**	**42**	28	**44**	**39**	**41**	29	**59**	**50**	**57**	**39**	PN, V, SN, RP, DR
R1206	Residential	NCA01	29	**37**	**43**	**39**	26	**43**	33	35	24	**40**	34	**41**	26	PN, V
R1207	Residential	NCA01	29	36	**43**	**39**	26	**45**	34	35	24	**41**	33	**41**	26	PN, V
R1208	Residential	NCA01	**42**	**50**	**55**	**51**	34	**54**	**48**	**49**	36	**53**	**47**	**53**	**39**	PN, V, SN, RP, DR
R1209	Residential	NCA01	32	**46**	**51**	**48**	32	**51**	**39**	**41**	30	**44**	**40**	**47**	29	PN, V
R1210	Residential	NCA03	**57**	**47**	**42**	**38**	23	**41**	34	36	24	**47**	**44**	**51**	**54**	PN, V, SN, RP, DR
R1211	Residential	NCA01	31	**44**	**51**	**47**	33	**51**	36	**38**	27	**42**	**42**	**49**	28	PN, V
R1212	Residential	NCA03	**42**	**54**	**42**	**38**	25	**42**	34	36	26	**59**	**51**	**57**	**39**	PN, V, SN, RP, DR
R1213	Residential	NCA03	**47**	**58**	**47**	**43**	28	**45**	**40**	**41**	29	**56**	**55**	**62**	**44**	PN, V, SN, RP, DR
R1214	Residential	NCA01	29	**40**	**47**	**43**	30	**47**	31	33	23	**40**	**38**	**44**	26	PN, V
R1215	Residential	NCA03	**46**	**54**	**51**	**47**	32	**48**	**41**	**43**	29	**59**	**51**	**58**	**43**	PN, V, SN, RP, DR
R1216	Residential	NCA01	32	**40**	**47**	**43**	29	**47**	**37**	**39**	28	**44**	**37**	**44**	29	PN, V
R1217	Residential	NCA01	**39**	**50**	**56**	**52**	36	**56**	**46**	**48**	**37**	**51**	**47**	**54**	36	PN, V, SN, RP, DR
R1218	Residential	NCA03	**55**	**52**	**44**	**41**	26	**43**	37	**39**	28	**53**	**49**	**56**	**52**	PN, V, SN, RP, DR
R1219	Residential	NCA03	**58**	**48**	**42**	**38**	23	**41**	35	37	24	**48**	**45**	**52**	**55**	PN, V, SN, RP, DR
R1220	Residential	NCA03	**43**	**53**	**46**	**44**	28	**45**	**40**	**42**	31	**58**	**50**	**57**	**40**	PN, V, SN, RP, DR
R1221	Residential	NCA01	**40**	**50**	**56**	**52**	36	**56**	**47**	**50**	**38**	**51**	**47**	**54**	**37**	PN, V, SN, RP, DR
R1222	Residential	NCA01	29	**39**	**46**	**42**	28	**46**	33	35	25	**40**	**37**	**42**	26	PN, V
R1223	Residential	NCA01	**38**	**49**	**54**	**51**	34	**53**	**44**	**45**	33	**50**	**47**	**54**	35	PN, V, SN, RP, DR
R1224	Residential	NCA01	27	36	**42**	**39**	26	**43**	31	33	23	**39**	33	**40**	24	PN, V
R1225	Residential	NCA01	31	**43**	**50**	**46**	32	**50**	**38**	**39**	28	**43**	**40**	**47**	28	PN, V
R1226	Residential	NCA03	**58**	**49**	**43**	**39**	25	**42**	36	**38**	25	**49**	**45**	**52**	**55**	PN, V, SN, RP, DR
R1227	Residential	NCA01	33	**46**	**51**	**47**	33	**54**	**38**	**39**	29	**44**	**41**	**48**	30	PN, V, SN, RP, DR
R1228	Residential	NCA01	**37**	**48**	**54**	**50**	33	**53**	**43**	**45**	32	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R1229	Residential	NCA03	**59**	**49**	**43**	**39**	24	**42**	36	**38**	26	**48**	**44**	**52**	**56**	PN, V, SN, RP, DR
R1230	Residential	NCA03	**43**	**57**	**47**	**44**	30	**46**	**41**	**43**	31	**59**	**55**	**62**	**40**	PN, V, SN, RP, DR
R1231	Residential	NCA01	**40**	**50**	**55**	**53**	**37**	**54**	**49**	**51**	**39**	**51**	**47**	**54**	**37**	PN, V, SN, RP, DR
R1232	Residential	NCA01	27	36	**43**	**39**	26	**43**	31	33	22	**39**	33	**40**	24	PN, V
R1233	Residential	NCA03	**38**	**52**	**43**	**40**	25	**42**	37	**39**	27	**50**	**51**	**58**	35	PN, V, SN, RP, DR
R1234	Residential	NCA01	**38**	**50**	**53**	**51**	32	**53**	**45**	**47**	34	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R1235	Residential	NCA03	**60**	**48**	**43**	**39**	25	**42**	36	37	26	**51**	**46**	**53**	**57**	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
			Residential: Noticeable	Clearly audible	Moderately intrusive	Highly intrusive **Bold** Highly noise affected										
			Non-residential: Exceeds noise management level													
R1236	Residential	NCA01	23	33	**40**	35	21	**42**	27	29	18	35	29	35	20	PN, V
R1237	Residential	NCA01	**37**	**49**	**53**	**50**	33	**53**	**42**	**43**	30	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R1238	Residential	NCA01	**38**	**49**	**55**	**52**	35	**55**	**45**	**47**	35	**50**	**47**	**54**	35	PN, V, SN, RP, DR
R1239	Residential	NCA01	**39**	**51**	**56**	**53**	**38**	**56**	**46**	**48**	**37**	**50**	**47**	**54**	36	PN, V, SN, RP, DR
R1240	Residential	NCA01	**42**	**51**	**54**	**51**	32	**54**	**48**	**50**	**39**	**52**	**47**	**54**	**39**	PN, V, SN, RP, DR
R1241	Residential	NCA03	**40**	**57**	**42**	**39**	25	**41**	36	**38**	27	**52**	**54**	**61**	37	PN, V, SN, RP, DR
R1242	Residential	NCA01	24	33	**40**	36	23	**41**	27	29	19	36	30	**37**	21	PN
R1243	Residential	NCA01	30	**41**	**48**	**44**	30	**48**	32	34	23	**41**	**38**	**45**	27	PN, V
R1244	Residential	NCA01	35	**46**	**52**	**49**	34	**53**	**41**	**43**	31	**46**	**43**	**51**	32	PN, V, SN, RP, DR
R1245	Medical facility	NCA01	32	47	54	50	36	54	39	41	29	44	45	52	29	-
R1246	Residential	NCA01	20	30	35	32	18	**39**	24	26	16	32	26	34	17	PN
R1247	Residential	NCA01	21	27	34	30	17	35	25	26	15	32	25	32	18	-
R1248	Residential	NCA01	**47**	**53**	**50**	**52**	31	**50**	**52**	**54**	**40**	**56**	**51**	**57**	**44**	PN, V, SN, RP, DR
R1249	Residential	NCA01	**41**	**51**	**57**	**53**	**39**	**54**	**49**	**51**	**40**	**51**	**47**	**54**	**38**	PN, V, SN, RP, DR
R1250	Residential	NCA03	**44**	**57**	**45**	**44**	28	**44**	**41**	**42**	31	**59**	**54**	**61**	**41**	PN, V, SN, RP, DR
R1251	Residential	NCA01	**39**	**52**	**57**	**53**	**39**	**55**	**49**	**51**	**41**	**50**	**48**	**55**	36	PN, V, SN, RP, DR
R1252	Residential	NCA03	**45**	**58**	**49**	**45**	31	**47**	**41**	**43**	32	**57**	**54**	**61**	**42**	PN, V, SN, RP, DR
R1253	Residential	NCA03	**43**	**55**	**47**	**43**	30	**46**	**40**	**42**	32	**58**	**52**	**58**	**40**	PN, V, SN, RP, DR
R1254	Residential	NCA01	**41**	**50**	**55**	**52**	**37**	**54**	**47**	**49**	**38**	**51**	**46**	**54**	**38**	PN, V, SN, RP, DR
R1255	Residential	NCA03	**60**	**48**	**42**	**39**	23	**43**	36	**38**	25	**52**	**46**	**53**	**57**	PN, V, SN, RP, DR
R1256	Residential	NCA03	**40**	**57**	**45**	**42**	27	**44**	**39**	**40**	29	**56**	**55**	**60**	37	PN, V, SN, RP, DR
R1257	Residential	NCA01	25	32	**39**	35	22	**39**	29	31	21	36	30	**38**	22	PN
R1258	Residential	NCA03	**59**	**49**	**43**	**40**	25	**42**	36	**38**	25	**50**	**46**	**53**	**56**	PN, V, SN, RP, DR
R1259	Residential	NCA01	**43**	**51**	**54**	**51**	33	**54**	**49**	**51**	**39**	**53**	**47**	**54**	**40**	PN, V, SN, RP, DR
R1260	Residential	NCA01	**38**	**51**	**56**	**53**	**37**	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN, V, SN, RP, DR
R1261	Residential	NCA01	**44**	**52**	**56**	**53**	**38**	**56**	**50**	**52**	**41**	**54**	**49**	**55**	**41**	PN, V, SN, RP, DR
R1262	Residential	NCA03	**44**	**58**	**42**	**38**	24	**41**	34	36	25	**54**	**56**	**61**	**41**	PN, V, SN, RP, DR
R1263	Residential	NCA03	**42**	**56**	**47**	**45**	30	**46**	**42**	**43**	33	**57**	**52**	**58**	**39**	PN, V, SN, RP, DR
R1264	Residential	NCA01	28	**47**	**54**	**50**	35	**54**	35	36	24	**40**	**45**	**52**	25	PN, V, SN, RP, DR
R1265	Residential	NCA03	**39**	**56**	**42**	**40**	25	**42**	37	**38**	27	**55**	**53**	**59**	36	PN, V, SN, RP, DR
R1266	Residential	NCA03	**60**	**50**	**43**	**39**	25	**44**	36	**38**	25	**51**	**47**	**54**	**57**	PN, V, SN, RP, DR
R1267	Residential	NCA01	**42**	**52**	**57**	**54**	**40**	**57**	**50**	**52**	**40**	**54**	**49**	**56**	**39**	PN, V, SN, RP, DR
R1268	Residential	NCA01	31	**38**	**43**	**40**	25	**43**	35	36	26	**42**	35	**41**	28	PN, V
R1269	Residential	NCA01	28	**40**	**47**	**43**	29	**47**	32	34	24	**40**	**37**	**44**	25	PN, V
R1270	Residential	NCA03	**43**	**55**	**47**	**43**	28	**45**	**40**	**41**	30	**56**	**53**	**60**	**40**	PN, V, SN, RP, DR
R1271	Residential	NCA01	28	**38**	**46**	**42**	28	**45**	32	34	21	**38**	36	**42**	25	PN, V
R1272	Residential	NCA01	**41**	**50**	**55**	**52**	35	**54**	**47**	**48**	36	**52**	**47**	**54**	**38**	PN, V, SN, RP, DR
R1273	Residential	NCA01	34	**49**	**54**	**50**	36	**54**	**41**	**43**	31	**44**	**45**	**52**	31	PN, V, SN, RP, DR
R1274	Residential	NCA01	36	**49**	**55**	**50**	35	**55**	**44**	**46**	32	**47**	**46**	**53**	33	PN, V, SN, RP, DR
R1275	Residential	NCA01	**40**	**50**	**55**	**52**	35	**55**	**47**	**49**	36	**49**	**47**	**54**	**37**	PN, V, SN, RP, DR
R1276	Residential	NCA01	**37**	**52**	**57**	**54**	**37**	**57**	**44**	**45**	33	**48**	**49**	**55**	34	PN, V, SN, RP, DR
R1277	Residential	NCA01	36	**50**	**56**	**52**	**38**	**56**	**43**	**45**	32	**47**	**46**	**52**	33	PN, V, SN, RP, DR
R1278	Residential	NCA01	33	**45**	**51**	**48**	32	**52**	**40**	**42**	30	**45**	**42**	**50**	30	PN, V, SN, RP, DR
R1279	Residential	NCA01	22	29	35	31	18	36	26	28	18	34	26	33	19	-
R1280	Residential	NCA03	**42**	**56**	**44**	**41**	26	**43**	**38**	**39**	27	**53**	**53**	**60**	**39**	PN, V, SN, RP, DR
R1281	Residential	NCA03	**60**	**52**	**44**	**41**	26	**43**	**38**	**40**	28	**53**	**49**	**56**	**57**	PN, V, SN, RP, DR
R1282	Residential	NCA03	**43**	**59**	**45**	**42**	28	**45**	**39**	**40**	28	**53**	**57**	**64**	**40**	PN, V, SN, AA, RP, DR
R1283	Residential	NCA01	24	30	34	31	17	35	27	29	20	35	27	34	21	-
R1284	Residential	NCA03	**57**	**53**	**45**	**42**	27	**44**	**38**	**40**	29	**54**	**50**	**57**	**54**	PN, V, SN, RP, DR
R1285	Residential	NCA01	**43**	**51**	**54**	**52**	36	**54**	**49**	**50**	**39**	**53**	**49**	**55**	**40**	PN, V, SN, RP, DR
R1286	Residential	NCA01	35	**47**	**54**	**50**	34	**54**	**42**	**44**	32	**47**	**45**	**52**	32	PN, V, SN, RP, DR
R1287	Residential	NCA01	24	30	**38**	34	21	**39**	28	30	20	**37**	28	35	21	PN
R1288	Residential	NCA01	**41**	**52**	**56**	**54**	**39**	**56**	**49**	**51**	**40**	**53**	**49**	**55**	**38**	PN, V, SN, RP, DR
R1289	Residential	NCA01	21	29	36	32	19	36	26	29	17	32	27	33	18	-
R1290	Residential	NCA01	**39**	**51**	**57**	**53**	**38**	**57**	**46**	**48**	35	**49**	**48**	**55**	36	PN, V, SN, RP, DR
R1291	Residential	NCA01	**41**	**52**	**57**	**54**	**39**	**56**	**49**	**51**	**40**	**53**	**49**	**55**	**38**	PN, V, SN, RP, DR
R1292	Residential	NCA03	**45**	**56**	**41**	**38**	22	**40**	35	37	24	**51**	**53**	**62**	**42**	PN, V, SN, RP, DR
R1293	Residential	NCA03	**43**	**57**	**44**	**40**	26	**43**	37	**39**	27	**52**	**54**	**61**	**40**	PN, V, SN, RP, DR
R1294	Residential	NCA03	**42**	**59**	**46**	**43**	28	**46**	**40**	**42**	30	**54**	**57**	**63**	**39**	PN, V, SN, RP, DR
R1295	Residential	NCA03	**53**	**61**	**46**	**42**	28	**45**	**39**	**40**	30	**56**	**57**	**64**	**50**	PN, V, SN, AA, RP, DR
R1296	Residential	NCA01	31	**42**	**49**	**46**	32	**49**	35	**37**	26	**43**	**40**	**47**	28	PN, V
R1297	Residential	NCA01	30	**40**	**47**	**43**	29	**47**	35	**37**	26	**41**	**38**	**44**	27	PN, V
R1298	Residential	NCA01	**46**	**53**	**54**	**51**	34	**54**	**47**	**49**	**38**	**55**	**49**	**56**	**43**	PN, V, SN, RP, DR
R1299	Residential	NCA01	**41**	**51**	**56**	**53**	35	**56**	**48**	**50**	**39**	**50**	**48**	**55**	**38**	PN, V, SN, RP, DR
R1300	Residential	NCA01	30	**43**	**48**	**44**	30	**49**	36	**38**	26	**42**	**39**	**45**	27	PN, V
R1301	Residential	NCA01	30	**43**	**48**	**44**	30	**49**	36	**38**	26	**42**	**39**	**45**	27	PN, V
R1302	Residential	NCA01	**39**	**50**	**55**	**52**	35	**55**	**45**	**47**	36	**49**	**46**	**53**	36	PN, V, SN, RP, DR
R1303	Residential	NCA01	36	**48**	**55**	**51**	**37**	**55**	**42**	**44**	33	**47**	**46**	**53**	33	PN, V, SN, RP, DR
R1304	Residential	NCA01	**40**	**50**	**55**	**52**	34	**55**	**45**	**47**	36	**50**	**47**	**54**	**37**	PN, V, SN, RP, DR
R1305	Residential	NCA01	28	**39**	**47**	**43**	29	**47**	32	34	23	**39**	**37**	**44**	25	PN, V
R1306	Residential	NCA01	28	36	**43**	**39**	25	**43**	34	34	24	**40**	34	**40**	25	PN, V
R1307	Residential	NCA03	**48**	**54**	**45**	**42**	28	**44**	**39**	**40**	29	**55**	**50**	**57**	**45**	PN, V, SN, RP, DR
R1308	Residential	NCA03	**43**	**59**	**46**	**42**	28	**45**	**40**	**41**	30	**53**	**57**	**60**	**40**	PN, V, SN, RP, DR
R1309	Residential	NCA03	**42**	**58**	**46**	**43**	28	**46**	**40**	**42**	31	**58**	**54**	**60**	**39**	PN, V, SN, RP, DR
R1310	Residential	NCA01	18	25	31	27	15	31	22	24	14	30	21	29	15	-
R1311	Residential	NCA01	26	36	**42**	**38**	24	**43**	30	32	22	**38**	33	**39**	23	PN, V
R1312	Residential	NCA01	**41**	**52**	**56**	**53**	**37**	**55**	**49**	**52**	**40**	**50**	**48**	**55**	**38**	PN, V, SN, RP, DR
R1313	Residential	NCA03	**49**	**59**	**53**	**50**	34	**51**	**47**	**49**	36	**65**	**56**	**63**	**46**	PN, V, SN, AA, RP, DR
R1314	Residential	NCA01	32	**43**	**51**	**47**	32	**51**	**39**	**41**	28	**44**	**41**	**48**	29	PN, V
R1315	Residential	NCA01	**37**	**49**	**54**	**51**	32	**54**	**44**	**46**	33	**48**	**46**	**53**	34	PN, V, SN, RP, DR
R1316	Residential	NCA01	30	**41**	**47**	**45**	30	**47**	36	**37**	26	**42**	**39**	**45**	27	PN, V
R1317	Residential	NCA01	**38**	**49**	**53**	**51**	33	**54**	**45**	**47**	35	**48**	**46**	**53**	35	PN, V, SN, RP, DR
R1318	Residential	NCA01	27	**39**	**46**	**42**	28	**46**	33	35	24	**39**	36	**43**	24	PN, V
R1319	Residential	NCA01	25	36	**42**	**39**	24	**42**	30	32	20	**37**	33	**40**	22	PN, V
R1320	Residential	NCA01	28	**38**	**46**	**42**	28	**47**	33	34	23	**40**	36	**42**	25	PN, V
R1321	Residential	NCA01	32	**42**	**49**	**45**	31	**49**	**39**	**40**	28	**44**	**39**	**46**	29	PN, V
R1322	Residential	NCA01	33	**44**	**52**	**48**	34	**51**	**39**	**40**	28	**45**	**42**	**49**	30	PN, V, SN, RP, DR
R1323	Residential	NCA03	**44**	**58**	**39**	37	21	**39**	32	34	21	**57**	**55**	**61**	**41**	PN, V, SN, RP, DR
R1324	Residential	NCA01	**43**	**53**	**54**	**52**	34	**54**	**49**	**51**	**40**	**53**	**49**	**55**	**40**	PN, V, SN, RP, DR
R1325	Residential	NCA03	**44**	**59**	**49**	**45**	30	**47**	**42**	**44**	32	**60**	**55**	**62**	**41**	PN, V, SN, RP, DR
R1326	Residential	NCA01	**38**	**50**	**55**	**52**	36	**55**	**44**	**46**	33	**48**	**47**	**54**	35	PN, V, SN, RP, DR
R1327	Residential	NCA01	27	33	**39**	35	22	**41**	30	33	22	**38**	30	**37**	24	PN
R1328	Residential	NCA01	30	**40**	**47**	**43**	29	**47**	33	35	25	**42**	**37**	**44**	27	PN, V
R1329	Residential	NCA01	**46**	**52**	**56**	**53**	36	**55**	**46**	**47**	**37**	**55**	**48**	**55**	**43**	PN, V, SN, RP, DR
R1330	Residential	NCA01	24	32	**40**	36	23	**40**	29	31	19	35	30	**37**	21	PN

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1331	Residential	NCA03	44	58	47	45	29	45	42	44	31	60	55	63	41	PN, V, SN, AA, RP, DR
R1332	Residential	NCA03	43	53	47	44	30	46	41	43	32	56	50	57	40	PN, V, SN, RP, DR
R1333	Residential	NCA01	38	48	54	50	34	53	46	48	36	48	45	52	35	PN, V, SN, RP, DR
R1334	Residential	NCA03	52	60	54	50	34	52	48	50	37	64	56	63	49	PN, V, SN, AA, RP, DR
R1335	Residential	NCA03	52	60	53	50	35	52	47	48	37	64	57	63	49	PN, V, SN, AA, RP, DR
R1336	Residential	NCA01	38	50	56	52	35	55	46	48	34	50	47	54	35	PN, V, SN, RP, DR
R1337	Residential	NCA01	43	52	56	54	37	57	50	52	40	55	49	55	40	PN, V, SN, RP, DR
R1338	Residential	NCA03	43	57	48	44	30	47	42	43	30	56	54	60	40	PN, V, SN, RP, DR
R1339	Residential	NCA01	36	50	54	52	34	54	41	43	31	47	47	54	33	PN, V, SN, RP, DR
R1340	Residential	NCA03	45	55	49	45	32	47	44	44	33	60	52	59	42	PN, V, SN, RP, DR
R1341	Residential	NCA01	32	45	53	49	35	52	38	40	28	44	43	50	29	PN, V, SN, RP, DR
R1342	Residential	NCA03	44	60	47	44	29	46	42	43	31	59	57	64	41	PN, V, SN, AA, RP, DR
R1343	Residential	NCA01	29	37	43	40	25	43	34	36	25	41	34	41	26	PN, V
R1344	Residential	NCA01	25	33	40	36	22	41	29	31	19	36	31	38	22	PN
R1345	Residential	NCA03	45	61	49	46	31	47	43	44	32	61	57	64	42	PN, V, SN, AA, RP, DR
R1346	Residential	NCA01	31	40	48	44	30	47	36	38	26	43	38	45	28	PN, V
R1347	Residential	NCA03	45	60	48	45	31	47	42	44	31	58	56	63	42	PN, V, SN, AA, RP, DR
R1348	Medical facility	NCA01	34	46	55	51	35	54	40	41	30	45	44	51	31	-
R1349	Residential	NCA01	36	50	54	51	34	54	43	44	32	46	46	53	33	PN, V, SN, RP, DR
R1350	Commercial	NCA04	46	45	41	37	23	41	34	36	24	46	39	46	43	-
R1351	Residential	NCA01	36	47	51	48	31	52	44	46	33	47	44	51	33	PN, V, SN, RP, DR
R1352	Residential	NCA01	30	38	42	39	24	43	35	37	26	42	34	41	27	PN, V
R1353	Residential	NCA01	20	29	35	31	19	36	25	27	16	32	26	33	17	-
R1354	Residential	NCA01	45	54	55	53	36	54	51	52	40	56	50	57	42	PN, V, SN, RP, DR
R1355	Residential	NCA01	33	46	54	50	35	54	39	41	29	44	44	51	30	PN, V, SN, RP, DR
R1356	Residential	NCA01	47	55	53	54	35	53	52	53	42	54	50	57	44	PN, V, SN, RP, DR
R1357	Residential	NCA01	30	40	46	42	28	46	36	37	26	42	37	44	27	PN, V
R1358	Residential	NCA01	25	32	39	35	22	39	29	31	20	37	29	36	22	PN
R1359	Residential	NCA03	44	60	48	45	30	47	42	44	31	61	56	63	41	PN, V, SN, AA, RP, DR
R1360	Residential	NCA01	30	39	45	41	27	44	34	36	25	42	36	43	27	PN, V
R1361	Residential	NCA01	42	54	60	56	42	57	52	54	41	52	51	58	39	PN, V, SN, RP, DR
R1362	Residential	NCA01	36	48	53	50	35	54	43	45	33	48	44	51	33	PN, V, SN, RP, DR
R1363	Residential	NCA01	39	51	57	53	37	57	46	48	36	50	48	55	36	PN, V, SN, RP, DR
R1364	Residential	NCA01	44	53	58	54	41	57	50	53	41	54	49	56	41	PN, V, SN, RP, DR
R1365	Residential	NCA01	37	51	55	53	35	55	43	45	32	47	47	55	34	PN, V, SN, RP, DR
R1366	Residential	NCA01	30	37	42	39	25	42	34	36	26	42	33	40	27	PN, V
R1367	Residential	NCA01	25	34	41	37	23	43	29	31	20	37	31	39	22	PN, V
R1368	Commercial	NCA01	34	48	55	51	37	55	42	43	31	46	46	52	31	-
R1369	Residential	NCA03	45	62	48	45	30	46	42	44	32	60	58	65	42	PN, V, SN, AA, RP, DR
R1370	Residential	NCA01	29	36	42	38	24	42	34	36	26	42	33	40	26	PN, V
R1371	Residential	NCA01	38	52	56	53	37	57	46	48	35	49	48	56	35	PN, V, SN, RP, DR
R1372	Residential	NCA03	44	61	49	46	31	47	43	45	32	62	58	64	41	PN, V, SN, AA, RP, DR
R1373	Residential	NCA01	44	54	60	56	40	57	52	54	42	56	51	58	41	PN, V, SN, RP, DR
R1374	Residential	NCA03	51	63	46	42	28	45	39	40	28	57	60	67	48	PN, V, SN, AA, RP, DR
R1375	Residential	NCA01	44	53	59	56	42	57	51	53	43	54	50	57	41	PN, V, SN, RP, DR
R1376	Residential	NCA01	43	51	57	53	39	55	49	51	41	52	48	55	40	PN, V, SN, RP, DR
R1377	Residential	NCA03	45	62	48	46	31	46	43	44	33	58	58	65	42	PN, V, SN, AA, RP, DR
R1378	Residential	NCA03	42	56	46	43	27	45	41	42	30	59	52	59	39	PN, V, SN, RP, DR
R1379	Residential	NCA01	30	44	52	47	33	51	38	39	27	42	41	49	27	PN, V, SN, RP, DR
R1380	Residential	NCA03	46	57	49	46	31	47	43	45	32	61	53	60	43	PN, V, SN, RP, DR
R1381	Residential	NCA01	36	50	54	51	34	55	43	45	32	47	47	53	33	PN, V, SN, RP, DR
R1382	Residential	NCA01	30	38	44	41	26	44	34	36	25	42	35	42	27	PN, V
R1383	Residential	NCA01	26	35	41	37	23	43	30	31	20	39	32	39	23	PN, V
R1384	Residential	NCA01	39	50	55	52	34	55	46	48	35	51	47	54	36	PN, V, SN, RP, DR
R1385	Residential	NCA01	39	51	55	52	35	55	47	49	37	50	47	54	36	PN, V, SN, RP, DR
R1386	Residential	NCA01	24	31	38	36	21	41	28	30	20	36	29	36	21	PN
R1387	Residential	NCA03	45	58	48	45	29	46	43	44	32	61	55	62	42	PN, V, SN, RP, DR
R1388	Residential	NCA01	40	51	55	53	36	54	48	50	37	51	48	55	37	PN, V, SN, RP, DR
R1389	Residential	NCA03	41	61	45	42	28	44	39	40	27	56	57	62	38	PN, V, SN, RP, DR
R1390	Residential	NCA03	53	64	45	41	27	44	37	39	25	55	60	67	50	PN, V, SN, AA, RP, DR
R1391	Residential	NCA01	28	38	46	42	28	47	33	35	24	39	36	43	25	PN, V
R1392	Residential	NCA01	27	39	45	42	27	45	33	35	24	39	36	43	24	PN, V
R1393	Residential	NCA03	41	58	47	43	28	46	41	41	30	53	55	62	38	PN, V, SN, RP, DR
R1394	Residential	NCA03	45	62	45	42	27	44	39	40	27	57	60	65	42	PN, V, SN, AA, RP, DR
R1395	Residential	NCA01	35	49	54	51	35	54	42	43	30	47	46	53	32	PN, V, SN, RP, DR
R1396	Residential	NCA03	47	62	39	35	22	38	32	33	21	47	59	65	44	PN, V, SN, AA, RP, DR
R1397	Residential	NCA03	46	61	46	42	28	44	39	40	28	55	57	62	43	PN, V, SN, RP, DR
R1398	Commercial	NCA01	33	48	55	51	37	55	40	42	30	45	46	53	30	-
R1399	Residential	NCA03	47	64	43	39	25	42	37	38	26	56	61	67	44	PN, V, SN, AA, RP, DR
R1400	Residential	NCA01	39	51	55	53	35	55	46	48	36	49	47	54	36	PN, V, SN, RP, DR
R1401	Residential	NCA03	42	54	47	44	28	45	41	42	30	57	51	58	39	PN, V, SN, RP, DR
R1402	Residential	NCA01	26	32	38	35	21	40	30	32	21	37	29	36	23	PN
R1403	Residential	NCA01	28	41	49	45	30	49	34	36	25	40	39	45	25	PN, V
R1404	Residential	NCA01	38	51	56	53	35	55	44	46	34	49	48	54	35	PN, V, SN, RP, DR
R1405	Residential	NCA01	38	50	55	52	37	54	47	49	38	49	47	54	35	PN, V, SN, RP, DR
R1406	Residential	NCA03	47	60	45	41	27	44	39	40	27	57	55	61	44	PN, V, SN, RP, DR
R1407	Residential	NCA01	39	50	55	51	36	54	46	48	37	50	46	53	36	PN, V, SN, RP, DR
R1408	Residential	NCA01	45	57	55	56	36	54	54	57	45	57	53	60	42	PN, V, SN, RP, DR
R1409	Industrial	NCA03	51	47	42	38	24	41	34	36	24	49	43	50	48	-
R1410	Residential	NCA03	43	61	43	39	25	42	37	38	26	49	57	64	40	PN, V, SN, AA, RP, DR
R1411	Residential	NCA01	37	50	54	51	33	55	44	46	33	48	46	53	34	PN, V, SN, RP, DR
R1412	Commercial	NCA01	33	46	54	51	35	54	40	41	29	45	45	52	30	-
R1413	Residential	NCA01	38	52	56	53	38	56	46	47	35	49	49	56	35	PN, V, SN, RP, DR
R1414	Residential	NCA01	38	50	54	52	33	54	45	47	34	49	47	54	35	PN, V, SN, RP, DR
R1415	Residential	NCA01	43	53	57	53	38	56	50	53	41	55	49	56	40	PN, V, SN, RP, DR
R1416	Residential	NCA01	25	34	39	36	23	41	29	31	21	37	30	37	22	PN
R1417	Residential	NCA01	38	52	57	54	36	57	46	47	34	49	49	56	35	PN, V, SN, RP, DR
R1418	Residential	NCA01	44	54	60	56	41	57	52	54	43	55	51	58	41	PN, V, SN, RP, DR
R1419	Residential	NCA03	46	62	48	45	30	46	43	44	32	62	58	65	43	PN, V, SN, AA, RP, DR
R1420	Residential	NCA03	38	64	47	43	28	45	40	41	29	51	61	62	35	PN, V, SN, AA, RP, DR
R1421	Residential	NCA03	45	62	46	42	28	45	40	41	30	51	59	66	42	PN, V, SN, AA, RP, DR
R1422	Residential	NCA03	44	61	46	43	28	46	40	41	30	53	57	64	41	PN, V, SN, AA, RP, DR
R1423	Residential	NCA01	28	37	44	39	25	43	33	35	24	40	34	40	25	PN, V
R1424	Residential	NCA03	54	61	52	48	34	51	46	47	36	65	57	64	51	PN, V, SN, AA, RP, DR
R1425	Residential	NCA01	34	50	55	52	36	55	40	42	29	45	47	55	31	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1426	Residential	NCA01	40	53	58	55	38	58	48	50	38	52	50	57	37	PN, V, SN, RP, DR
R1427	Residential	NCA03	43	62	45	41	27	44	39	39	29	53	58	64	40	PN, V, SN, AA, RP, DR
R1428	Residential	NCA01	45	57	57	57	38	57	54	54	43	57	53	60	42	PN, V, SN, RP, DR
R1429	Residential	NCA03	45	62	48	44	28	46	42	43	30	61	58	65	42	PN, V, SN, AA, RP, DR
R1430	Commercial	NCA01	33	49	56	52	39	58	40	41	29	45	47	54	30	-
R1431	Residential	NCA01	39	53	59	55	40	58	45	47	35	50	50	57	36	PN, V, SN, RP, DR
R1432	Residential	NCA01	29	38	44	41	26	45	35	37	25	41	35	42	26	PN, V
R1433	Residential	NCA01	49	57	57	55	38	57	52	53	42	57	53	60	46	PN, V, SN, RP, DR
R1434	Residential	NCA03	52	60	51	48	33	50	46	47	36	66	57	63	49	PN, V, SN, AA, RP, DR
R1435	Residential	NCA01	24	35	43	38	25	43	30	31	20	36	32	39	21	PN, V
R1436	Residential	NCA01	26	33	39	36	22	41	31	33	23	38	30	37	23	PN
R1437	Residential	NCA01	39	53	57	54	38	57	48	50	39	51	49	56	36	PN, V, SN, RP, DR
R1438	Residential	NCA01	46	56	60	57	42	59	53	54	42	56	51	57	43	PN, V, SN, RP, DR
R1439	Residential	NCA01	39	51	57	53	38	57	45	46	34	49	48	55	36	PN, V, SN, RP, DR
R1440	Commercial	NCA01	33	44	50	47	30	50	38	40	29	45	41	48	30	-
R1441	Residential	NCA03	47	64	48	46	30	47	43	44	32	62	60	67	44	PN, V, SN, AA, RP, DR
R1442	Residential	NCA01	27	36	42	38	23	42	32	34	23	39	33	40	24	PN, V
R1443	Residential	NCA01	24	32	39	36	23	41	29	31	20	36	30	37	21	PN
R1444	Commercial	NCA01	32	47	54	50	37	55	39	40	29	44	45	52	29	-
R1445	Commercial	NCA03	66	55	46	42	27	45	39	41	29	53	52	59	63	-
R1446	Residential	NCA01	24	35	41	37	24	42	29	31	20	36	32	39	21	PN, V
R1447	Residential	NCA01	36	54	60	56	40	60	39	41	31	47	51	58	33	PN, V, SN, RP, DR
R1448	Residential	NCA03	42	64	44	41	26	43	38	39	27	59	59	66	39	PN, V, SN, AA, RP, DR
R1449	Commercial	NCA04	42	42	37	34	20	37	30	32	21	42	38	45	39	-
R1450	Residential	NCA03	43	62	47	44	29	47	42	43	31	57	58	65	40	PN, V, SN, AA, RP, DR
R1451	Residential	NCA03	50	60	51	48	33	49	45	47	34	65	56	62	47	PN, V, SN, AA, RP, DR
R1452	Residential	NCA01	37	51	57	54	37	57	45	47	35	49	49	56	34	PN, V, SN, RP, DR
R1453	Residential	NCA03	51	61	50	46	33	48	43	44	34	66	58	65	48	PN, V, SN, AA, RP, DR
R1454	Residential	NCA01	24	33	41	38	23	41	27	29	19	36	32	37	21	PN
R1455	Residential	NCA03	48	64	50	46	31	48	44	45	34	65	59	66	45	PN, V, SN, AA, RP, DR
R1456	Residential	NCA01	38	52	55	52	36	55	46	48	34	49	48	54	35	PN, V, SN, RP, DR
R1457	Residential	NCA01	35	48	54	50	34	53	40	42	29	45	43	52	32	PN, V, SN, RP, DR
R1458	Commercial	NCA01	31	47	54	51	36	55	38	39	27	43	45	52	28	-
R1459	Residential	NCA03	44	59	49	45	31	47	43	44	31	63	56	62	41	PN, V, SN, RP, DR
R1460	Residential	NCA01	29	38	44	40	26	45	35	37	25	41	35	42	26	PN, V
R1461	Residential	NCA01	39	52	58	54	39	58	46	48	35	51	49	56	36	PN, V, SN, RP, DR
R1462	Residential	NCA01	37	52	57	54	37	57	44	45	32	48	49	56	34	PN, V, SN, RP, DR
R1463	Residential	NCA03	44	58	47	44	27	45	41	42	30	62	55	62	41	PN, V, SN, RP, DR
R1464	Active recreation	NCA01	49	58	57	59	39	57	56	58	44	58	55	62	46	-
R1465	Residential	NCA03	48	63	50	47	31	48	44	45	31	63	59	66	45	PN, V, SN, AA, RP, DR
R1466	Residential	NCA01	38	51	57	53	40	57	44	46	33	49	48	55	35	PN, V, SN, RP, DR
R1467	Residential	NCA01	27	35	41	37	24	42	32	34	23	39	32	39	24	PN, V
R1468	Commercial	NCA01	31	47	54	50	37	54	38	40	28	44	44	51	28	-
R1469	Residential	NCA03	48	64	49	46	31	47	44	45	32	63	60	67	45	PN, V, SN, AA, RP, DR
R1470	Residential	NCA01	25	37	43	40	26	43	29	31	21	37	34	40	22	PN, V
R1471	Residential	NCA01	39	53	57	55	40	58	47	48	37	50	50	57	36	PN, V, SN, RP, DR
R1472	Residential	NCA03	47	63	49	46	31	48	44	45	33	67	60	67	44	PN, V, SN, AA, RP, DR
R1473	Residential	NCA01	36	51	57	53	39	57	42	44	32	48	48	54	33	PN, V, SN, RP, DR
R1474	Residential	NCA03	42	64	48	44	28	46	42	43	30	60	59	66	39	PN, V, SN, AA, RP, DR
R1475	Residential	NCA01	39	53	58	55	39	58	47	48	36	50	50	57	36	PN, V, SN, RP, DR
R1476	Medical facility	NCA01	24	40	46	44	30	48	30	31	20	36	37	44	21	-
R1477	Residential	NCA01	29	39	46	42	28	46	35	37	25	41	37	43	26	PN, V
R1478	Residential	NCA01	29	38	45	41	26	45	33	35	25	41	36	41	26	PN, V
R1479	Residential	NCA01	48	56	62	58	42	58	55	56	45	57	53	60	45	PN, V, SN, AA, RP, DR
R1480	Residential	NCA01	36	51	57	53	40	57	42	44	33	47	48	54	33	PN, V, SN, RP, DR
R1481	Residential	NCA03	50	60	51	49	34	49	46	47	34	60	56	62	47	PN, V, SN, RP, DR
R1482	Commercial	NCA01	35	51	57	53	39	57	42	43	31	46	48	54	32	-
R1483	Residential	NCA01	43	57	63	59	45	59	55	57	47	54	54	61	40	PN, V, SN, AA, RP, DR
R1484	Industrial	NCA01	33	52	57	55	41	58	40	41	30	45	49	55	30	-
R1485	Residential	NCA01	43	54	59	55	40	59	51	53	41	52	50	57	40	PN, V, SN, RP, DR
R1486	Commercial	NCA01	31	45	53	49	35	53	38	39	28	43	43	50	28	-
R1487	Residential	NCA01	42	53	58	55	38	58	49	50	37	52	50	57	39	PN, V, SN, RP, DR
R1488	Residential	NCA01	29	38	44	41	27	45	34	36	25	41	35	42	26	PN, V
R1489	Residential	NCA01	27	39	45	41	28	45	33	35	24	39	36	43	24	PN, V
R1490	Residential	NCA03	60	65	54	54	36	53	49	52	39	69	61	68	57	PN, V, SN, AA, RP, DR
R1491	Residential	NCA03	43	68	40	37	23	40	34	36	24	52	63	69	40	PN, V, SN, AA, RP, DR
R1492	Residential	NCA03	60	64	55	52	35	52	49	51	39	68	60	67	57	PN, V, SN, AA, RP, DR
R1493	Residential	NCA01	31	45	52	48	34	51	36	38	27	43	43	48	28	PN, V, SN, RP, DR
R1494	Residential	NCA01	42	51	56	53	35	55	48	50	34	52	48	55	39	PN, V, SN, RP, DR
R1495	Residential	NCA03	46	63	49	46	31	48	43	44	33	63	58	65	43	PN, V, SN, AA, RP, DR
R1496	Residential	NCA03	45	67	45	43	28	44	39	41	28	57	62	69	42	PN, V, SN, AA, RP, DR
R1497	Residential	NCA01	39	51	56	53	35	56	45	45	34	50	48	55	36	PN, V, SN, RP, DR
R1498	Residential	NCA01	31	45	51	47	33	51	38	40	28	43	42	48	28	PN, V
R1499	Residential	NCA01	36	53	56	55	36	56	45	48	35	46	49	56	33	PN, V, SN, RP, DR
R1500	Residential	NCA01	28	35	40	37	23	42	33	35	24	39	32	39	25	PN, V
R1501	Commercial	NCA04	41	41	38	34	20	37	31	33	22	41	38	44	38	-
R1502	Residential	NCA01	29	39	46	42	27	46	34	36	25	41	36	43	26	PN, V
R1503	Residential	NCA03	43	69	45	41	27	44	38	39	24	59	64	71	40	PN, V, SN, AA, RP, DR
R1504	Commercial	NCA01	33	47	54	51	36	55	39	41	29	45	45	52	30	-
R1505	Residential	NCA03	46	69	46	43	28	45	39	42	30	59	64	71	43	PN, V, SN, AA, RP, DR
R1506	Residential	NCA01	42	54	59	56	41	59	52	53	42	54	51	58	39	PN, V, SN, RP, DR
R1507	Residential	NCA01	27	35	42	38	25	42	32	33	23	38	32	39	24	PN, V
R1508	Residential	NCA03	42	69	45	41	27	44	39	40	29	59	64	70	39	PN, V, SN, AA, RP, DR
R1509	Residential	NCA03	45	66	45	42	28	45	39	41	30	56	62	69	42	PN, V, SN, AA, RP, DR
R1510	Residential	NCA03	47	64	50	47	31	48	45	45	31	67	59	66	44	PN, V, SN, AA, RP, DR
R1511	Residential	NCA01	25	33	40	36	23	40	29	31	21	37	30	37	22	PN
R1512	Residential	NCA01	42	54	59	56	40	59	51	52	40	54	50	57	39	PN, V, SN, RP, DR
R1513	Residential	NCA01	38	51	55	53	35	55	44	45	32	49	48	54	35	PN, V, SN, RP, DR
R1514	Residential	NCA01	25	32	38	34	20	37	28	30	20	36	28	35	22	PN
R1515	Residential	NCA01	24	32	38	35	21	40	28	30	19	35	29	36	21	PN
R1516	Residential	NCA01	41	55	59	57	40	59	50	52	40	53	52	58	38	PN, V, SN, RP, DR
R1517	Residential	NCA01	50	58	62	59	43	60	56	58	46	58	55	62	47	PN, V, SN, AA, RP, DR
R1518	Residential	NCA01	32	45	50	47	32	50	38	40	29	44	42	48	29	PN, V
R1519	Residential	NCA03	43	68	39	36	22	38	30	32	20	60	63	71	40	PN, V, SN, AA, RP, DR
R1520	Residential	NCA01	27	36	42	38	25	43	32	34	23	39	33	40	24	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1521	Residential	NCA01	31	44	50	46	32	50	37	39	27	43	41	47	28	PN, V
R1522	Residential	NCA03	44	68	43	39	25	42	36	37	22	60	64	71	41	PN, V, SN, AA, RP, DR
R1523	Industrial	NCA04	60	48	41	38	24	41	35	36	26	47	43	50	57	-
R1524	Residential	NCA01	41	54	59	56	39	60	50	51	40	52	51	58	38	PN, V, SN, RP, DR
R1525	Residential	NCA01	24	31	37	33	19	37	28	30	20	36	28	35	21	PN
R1526	Residential	NCA03	43	68	38	34	21	38	31	33	20	53	63	68	40	PN, V, SN, AA, RP, DR
R1527	Residential	NCA01	28	41	49	44	31	48	34	34	23	40	39	45	25	PN, V
R1528	Residential	NCA01	42	55	59	56	39	59	49	51	39	53	51	58	39	PN, V, SN, RP, DR
R1529	Residential	NCA01	38	53	58	54	38	58	44	46	33	49	50	57	35	PN, V, SN, RP, DR
R1530	Residential	NCA03	44	67	49	45	31	47	42	43	30	68	63	70	41	PN, V, SN, AA, RP, DR
R1531	Residential	NCA01	30	44	50	46	32	52	35	36	25	42	41	48	27	PN, V, SN, RP, DR
R1532	Residential	NCA01	41	52	56	54	37	56	48	50	38	52	49	56	38	PN, V, SN, RP, DR
R1533	Residential	NCA01	37	54	58	55	39	58	45	47	34	48	51	58	34	PN, V, SN, RP, DR
R1534	Residential	NCA01	28	36	41	38	24	42	33	35	23	39	32	38	25	PN, V
R1535	Residential	NCA03	40	67	37	33	19	36	30	31	20	55	62	67	37	PN, V, SN, AA, RP, DR
R1536	Residential	NCA03	44	68	40	37	24	40	34	35	21	61	63	70	41	PN, V, SN, AA, RP, DR
R1537	Residential	NCA01	28	39	45	41	25	45	34	35	22	39	36	43	25	PN, V
R1538	Residential	NCA01	38	53	56	54	36	56	48	49	35	48	49	56	35	PN, V, SN, RP, DR
R1539	Residential	NCA01	31	42	49	45	31	49	35	37	26	42	39	47	28	PN, V
R1540	Residential	NCA03	47	71	50	46	31	48	43	46	34	68	66	73	44	PN, V, SN, AA, RP, DR
R1541	Residential	NCA01	40	54	57	55	36	57	49	50	37	51	49	56	37	PN, V, SN, RP, DR
R1542	Residential	NCA01	40	54	58	55	40	58	48	50	39	52	50	57	37	PN, V, SN, RP, DR
R1543	Residential	NCA03	57	65	52	49	35	51	47	48	37	68	60	67	54	PN, V, SN, AA, RP, DR
R1544	Residential	NCA01	49	57	61	58	43	60	55	56	45	57	54	61	46	PN, V, SN, RP, DR
R1545	Residential	NCA03	49	65	50	47	31	48	45	46	33	68	60	67	46	PN, V, SN, AA, RP, DR
R1546	Residential	NCA01	38	55	60	56	41	59	47	48	35	47	51	59	35	PN, V, SN, RP, DR
R1547	Residential	NCA03	44	69	36	32	19	35	29	31	19	48	63	70	41	PN, V, SN, AA, RP, DR
R1548	Residential	NCA01	38	53	59	55	40	58	46	47	34	48	50	56	35	PN, V, SN, RP, DR
R1549	Residential	NCA01	31	43	50	46	32	50	37	39	28	43	41	47	28	PN, V
R1550	Residential	NCA01	38	54	58	56	37	58	43	45	33	49	51	58	35	PN, V, SN, RP, DR
R1551	Residential	NCA03	57	65	52	49	35	51	48	51	37	68	61	68	54	PN, V, SN, AA, RP, DR
R1552	Active recreation	NCA01	47	58	57	57	36	56	54	56	44	58	54	62	44	-
R1553	Residential	NCA01	39	53	57	55	37	57	48	50	37	50	50	57	36	PN, V, SN, RP, DR
R1554	Residential	NCA01	37	53	58	54	38	57	47	48	36	45	49	56	34	PN, V, SN, RP, DR
R1555	Residential	NCA01	39	55	60	57	41	60	49	51	37	51	51	57	36	PN, V, SN, RP, DR
R1556	Residential	NCA03	44	67	47	45	30	46	42	43	30	67	63	70	41	PN, V, SN, AA, RP, DR
R1557	Residential	NCA03	43	67	45	42	28	45	39	40	30	57	64	71	40	PN, V, SN, AA, RP, DR
R1558	Residential	NCA01	27	34	40	37	23	42	31	33	22	38	31	38	24	PN, V
R1559	Residential	NCA01	38	52	57	54	37	57	46	48	36	50	49	56	35	PN, V, SN, RP, DR
R1560	Residential	NCA03	57	64	51	49	33	50	47	50	36	68	61	68	54	PN, V, SN, AA, RP, DR
R1561	Residential	NCA01	28	36	42	38	23	42	32	34	23	40	33	40	25	PN, V
R1562	Residential	NCA01	35	52	58	54	38	58	43	45	31	46	49	56	32	PN, V, SN, RP, DR
R1563	Residential	NCA01	40	55	61	57	42	60	46	48	34	50	52	59	37	PN, V, SN, RP, DR
R1564	Residential	NCA01	29	39	46	43	28	46	34	35	24	41	36	43	26	PN, V
R1565	Residential	NCA03	56	65	50	51	33	50	47	50	36	69	61	68	53	PN, V, SN, AA, RP, DR
R1566	Residential	NCA01	34	54	55	53	36	55	40	42	30	45	49	56	31	PN, V, SN, RP, DR
R1567	Residential	NCA03	55	65	48	48	31	48	46	48	35	69	61	68	52	PN, V, SN, AA, RP, DR
R1568	Residential	NCA01	39	56	63	59	44	63	45	47	34	50	53	60	36	PN, V, SN, AA, RP, DR
R1569	Residential	NCA01	41	55	60	56	42	60	48	49	36	52	52	59	38	PN, V, SN, RP, DR
R1570	Residential	NCA01	37	54	58	56	37	58	44	46	33	49	51	56	34	PN, V, SN, RP, DR
R1571	Residential	NCA01	45	57	61	58	42	60	54	56	44	54	53	60	42	PN, V, SN, RP, DR
R1572	Residential	NCA01	49	58	62	59	42	58	54	56	43	57	53	60	46	PN, V, SN, AA, RP, DR
R1573	Residential	NCA01	29	35	42	38	25	43	32	35	23	41	32	39	26	PN, V
R1574	Residential	NCA03	43	66	48	45	31	47	42	43	30	70	62	69	40	PN, V, SN, AA, RP, DR
R1575	Residential	NCA01	29	48	56	52	38	56	35	37	25	42	46	52	26	PN, V, SN, RP, DR
R1576	Residential	NCA03	54	58	50	48	33	49	47	49	36	60	54	61	51	PN, V, SN, RP, DR
R1577	Residential	NCA01	40	54	60	56	41	59	46	48	36	51	51	58	37	PN, V, SN, RP, DR
R1578	Residential	NCA01	42	57	60	58	40	60	52	52	41	52	52	59	39	PN, V, SN, RP, DR
R1579	Residential	NCA01	29	40	46	43	28	46	35	36	25	41	37	43	26	PN, V
R1580	Residential	NCA01	42	56	60	57	41	60	51	53	42	52	52	60	39	PN, V, SN, RP, DR
R1581	Residential	NCA01	42	57	60	57	42	60	50	52	39	54	53	59	39	PN, V, SN, RP, DR
R1582	Residential	NCA03	54	65	51	47	33	49	47	49	36	66	61	68	51	PN, V, SN, AA, RP, DR
R1583	Residential	NCA01	39	55	60	57	42	61	47	49	34	50	52	59	36	PN, V, SN, RP, DR
R1584	Residential	NCA01	25	33	41	39	24	43	29	30	20	35	31	38	22	PN, V
R1585	Residential	NCA01	37	54	58	56	36	58	42	44	31	48	51	57	34	PN, V, SN, RP, DR
R1586	Residential	NCA01	27	33	39	36	22	39	30	32	22	38	31	37	24	PN
R1587	Residential	NCA01	42	55	60	57	41	59	51	53	41	52	52	59	39	PN, V, SN, RP, DR
R1588	Residential	NCA01	30	44	50	46	32	52	36	38	27	42	40	48	27	PN, V, SN, RP, DR
R1589	Residential	NCA01	28	42	47	43	30	48	34	35	24	40	37	44	25	PN, V
R1590	Residential	NCA01	25	35	43	40	25	43	30	31	20	38	33	40	22	PN, V
R1591	Residential	NCA03	44	69	47	45	30	47	42	43	30	65	64	71	41	PN, V, SN, AA, RP, DR
R1592	Residential	NCA01	38	54	59	56	43	59	45	48	34	49	50	57	35	PN, V, SN, RP, DR
R1593	Residential	NCA01	40	55	60	56	42	60	47	49	35	52	52	59	37	PN, V, SN, RP, DR
R1594	Residential	NCA03	42	76	41	38	24	41	33	36	23	51	69	76	39	PN, V, SN, AA, RP, DR
R1595	Residential	NCA03	41	78	45	42	27	44	38	39	28	57	71	78	38	PN, V, SN, AA, RP, DR
R1596	Residential	NCA01	42	59	61	60	43	61	51	53	40	54	54	60	39	PN, V, SN, RP, DR
R1597	Residential	NCA01	28	39	46	44	27	46	33	35	24	40	37	43	25	PN, V
R1598	Residential	NCA01	42	57	61	58	42	62	52	54	43	53	53	59	39	PN, V, SN, AA, RP, DR
R1599	Residential	NCA01	42	56	60	58	40	60	52	53	41	54	53	60	39	PN, V, SN, RP, DR
R1600	Residential	NCA01	27	38	46	43	29	49	32	34	22	38	36	43	24	PN, V
R1601	Residential	NCA03	50	64	47	45	30	47	44	44	30	67	60	67	47	PN, V, SN, AA, RP, DR
R1602	Residential	NCA01	38	54	62	58	44	62	45	48	33	49	52	58	35	PN, V, SN, AA, RP, DR
R1603	Residential	NCA01	37	53	57	55	37	57	41	43	32	49	50	57	34	PN, V, SN, RP, DR
R1604	Residential	NCA01	41	57	60	58	40	59	50	51	36	53	53	60	38	PN, V, SN, RP, DR
R1605	Residential	NCA01	39	54	59	55	40	58	46	48	35	50	51	58	36	PN, V, SN, RP, DR
R1606	Residential	NCA01	25	31	36	34	20	41	29	31	20	36	28	35	22	PN
R1607	Residential	NCA03	42	74	47	43	29	46	41	42	30	59	67	74	39	PN, V, SN, AA, RP, DR
R1608	Residential	NCA01	28	35	41	37	24	42	32	34	23	40	31	38	25	PN, V
R1609	Residential	NCA01	40	56	60	58	41	60	48	50	37	51	53	59	37	PN, V, SN, RP, DR
R1610	Residential	NCA01	28	40	47	44	29	48	34	35	23	39	37	44	25	PN, V
R1611	Residential	NCA01	40	59	61	58	43	61	50	52	40	52	55	62	37	PN, V, SN, AA, RP, DR
R1612	Residential	NCA03	41	77	44	41	27	44	38	39	24	56	70	76	38	PN, V, SN, AA, RP, DR
R1613	Residential	NCA01	40	56	60	58	41	60	49	50	37	51	52	58	37	PN, V, SN, RP, DR
R1614	Residential	NCA01	40	57	61	58	43	61	49	51	39	52	53	60	37	PN, V, SN, RP, DR
R1615	Residential	NCA01	39	58	60	57	42	60	47	48	36	50	54	61	36	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1616	Residential	NCA03	43	77	46	42	29	45	40	40	27	61	70	77	40	PN, V, SN, AA, RP, DR
R1617	Commercial	NCA01	30	50	58	54	40	58	35	37	25	42	48	55	27	-
R1618	Residential	NCA01	27	35	42	38	24	42	32	33	21	38	32	39	24	PN, V
R1619	Residential	NCA01	27	36	43	39	24	43	32	33	21	38	34	41	24	PN, V
R1620	Residential	NCA01	30	40	45	42	27	47	35	36	25	42	37	44	27	PN, V
R1621	Residential	NCA01	42	59	62	60	43	62	51	53	41	53	54	62	39	PN, V, SN, AA, RP, DR
R1622	Residential	NCA01	38	57	62	59	44	62	44	46	33	49	53	59	35	PN, V, SN, AA, RP, DR
R1623	Residential	NCA03	42	77	45	42	28	45	39	40	26	61	70	77	39	PN, V, SN, AA, RP, DR
R1624	Residential	NCA03	40	76	40	37	23	40	33	35	22	53	69	76	37	PN, V, SN, AA, RP, DR
R1625	Residential	NCA01	40	55	59	57	40	59	48	50	37	52	52	58	37	PN, V, SN, RP, DR
R1626	Residential	NCA03	43	69	47	44	30	46	41	42	29	71	64	71	40	PN, V, SN, AA, RP, DR
R1627	Residential	NCA01	47	60	61	58	42	59	56	56	43	58	54	61	44	PN, V, SN, RP, DR
R1628	Residential	NCA03	43	78	45	43	27	44	40	40	29	57	70	77	40	PN, V, SN, AA, RP, DR
R1629	Residential	NCA01	31	41	47	44	29	47	36	38	27	43	38	45	28	PN, V
R1630	Residential	NCA01	30	44	52	48	34	52	36	38	27	42	41	48	27	PN, V, SN, RP, DR
R1631	Residential	NCA03	45	73	48	45	31	47	42	43	31	65	68	75	42	PN, V, SN, AA, RP, DR
R1632	Residential	NCA01	28	39	46	42	27	45	34	36	24	40	36	42	25	PN, V
R1633	Residential	NCA03	44	72	47	44	29	46	40	42	29	64	66	73	41	PN, V, SN, AA, RP, DR
R1634	Residential	NCA01	36	56	62	57	42	61	44	46	33	48	52	57	33	PN, V, SN, AA, RP, DR
R1635	Residential	NCA01	28	41	47	44	30	49	34	36	24	40	37	44	25	PN, V
R1636	Residential	NCA01	27	36	43	39	25	43	32	34	23	39	34	40	24	PN, V
R1637	Residential	NCA01	40	56	61	58	43	61	48	50	37	52	53	59	37	PN, V, SN, RP, DR
R1639	Residential	NCA01	30	41	48	44	28	48	34	36	25	42	39	44	27	PN, V
R1640	Residential	NCA01	40	57	60	58	43	61	48	50	38	53	54	61	37	PN, V, SN, RP, DR
R1641	Educational institute	NCA03	49	73	50	47	32	50	45	46	33	75	68	75	46	-
R1642	Residential	NCA03	44	77	44	40	26	43	37	38	24	55	69	76	41	PN, V, SN, AA, RP, DR
R1643	Residential	NCA01	38	54	59	56	39	58	47	49	36	49	51	58	35	PN, V, SN, RP, DR
R1644	Residential	NCA01	38	56	60	57	41	60	48	49	35	49	52	59	35	PN, V, SN, RP, DR
R1645	Residential	NCA01	27	35	41	37	24	42	31	33	22	38	32	39	24	PN, V
R1646	Residential	NCA01	36	53	55	51	37	58	43	44	32	47	46	53	33	PN, V, SN, RP, DR
R1647	Residential	NCA01	47	61	65	61	45	60	56	58	45	57	54	61	44	PN, V, SN, AA, RP, DR
R1648	Residential	NCA04	83	48	40	37	23	40	34	35	24	45	47	54	80	PN, V, SN, AA, RP, DR
R1649	Educational institute	NCA03	52	69	53	49	34	51	46	48	37	74	65	72	49	-
R1650	Residential	NCA01	40	54	60	57	41	59	46	48	35	51	52	58	37	PN, V, SN, RP, DR
R1651	Residential	NCA01	30	39	44	41	26	48	35	37	26	41	36	43	27	PN, V
R1652	Residential	NCA01	40	56	61	58	42	61	48	50	38	51	53	59	37	PN, V, SN, RP, DR
R1653	Residential	NCA03	44	78	46	43	27	45	40	42	30	64	70	77	41	PN, V, SN, AA, RP, DR
R1655	Residential	NCA03	45	78	46	44	27	46	40	42	30	63	70	77	42	PN, V, SN, AA, RP, DR
R1656	Residential	NCA03	44	77	45	41	27	44	38	40	26	65	69	76	41	PN, V, SN, AA, RP, DR
R1657	Residential	NCA03	46	71	46	43	29	46	40	42	29	73	66	73	43	PN, V, SN, AA, RP, DR
R1659	Residential	NCA04	94	50	40	36	22	39	32	35	24	46	46	53	91	PN, V, SN, AA, RP, DR
R1660	Commercial	NCA01	38	55	61	58	43	61	43	45	32	49	52	59	35	-
R1661	Residential	NCA01	31	41	47	43	27	47	37	39	27	43	38	45	28	PN, V
R1662	Residential	NCA01	40	55	60	57	41	60	47	49	36	51	52	59	37	PN, V, SN, RP, DR
R1663	Residential	NCA03	43	74	48	45	30	48	42	43	30	69	68	75	40	PN, V, SN, AA, RP, DR
R1664	Residential	NCA01	30	38	43	39	26	46	35	37	27	42	34	41	27	PN, V
R1665	Residential	NCA01	27	33	35	33	18	35	31	31	20	39	30	37	24	PN
R1666	Residential	NCA04	73	49	42	39	25	42	35	37	24	46	45	51	70	PN, V, SN, AA, RP, DR
R1667	Residential	NCA01	30	42	49	46	32	50	36	37	25	41	39	46	27	PN, V
R1669	Residential	NCA01	38	55	59	56	40	59	46	48	35	50	51	58	35	PN, V, SN, RP, DR
R1670	Residential	NCA04	92	52	43	39	25	42	36	38	25	47	49	55	89	PN, V, SN, AA, RP, DR
R1671	Residential	NCA03	43	78	45	42	27	45	39	41	28	66	70	77	40	PN, V, SN, AA, RP, DR
R1672	Residential	NCA03	45	77	48	45	30	47	42	43	31	67	69	76	42	PN, V, SN, AA, RP, DR
R1673	Educational institute	NCA03	59	74	52	49	34	52	49	51	37	77	69	76	56	-
R1674	Residential	NCA01	27	40	47	43	29	47	32	34	23	39	37	43	24	PN, V
R1675	Residential	NCA01	38	55	59	55	38	59	46	48	35	51	51	58	35	PN, V, SN, RP, DR
R1676	Residential	NCA04	71	45	41	38	24	41	34	36	24	44	39	46	68	PN, V, SN, AA, RP, DR
R1677	Residential	NCA01	27	41	45	44	30	48	32	33	20	38	36	42	24	PN, V
R1678	Residential	NCA01	30	41	47	44	29	49	35	37	26	42	38	45	27	PN, V
R1679	Residential	NCA01	42	61	66	62	47	58	58	60	49	53	57	64	39	PN, V, SN, AA, RP, DR
R1680	Residential	NCA04	92	51	41	38	24	41	35	37	25	48	48	54	89	PN, V, SN, AA, RP, DR
R1681	Residential	NCA01	41	54	58	57	38	58	51	53	39	52	51	58	38	PN, V, SN, RP, DR
R1682	Residential	NCA01	44	58	62	59	45	62	55	57	46	54	54	61	41	PN, V, SN, AA, RP, DR
R1683	Educational institute	NCA03	52	75	50	48	32	50	45	46	34	78	70	77	49	-
R1684	Residential	NCA01	22	29	35	32	19	35	26	28	16	33	26	33	19	-
R1685	Residential	NCA01	44	59	62	60	46	63	55	57	46	55	55	61	41	PN, V, SN, AA, RP, DR
R1686	Residential	NCA03	47	77	49	45	31	47	43	43	31	72	70	77	44	PN, V, SN, AA, RP, DR
R1687	Residential	NCA01	41	57	61	58	40	60	52	54	39	52	54	61	38	PN, V, SN, RP, DR
R1688	Residential	NCA01	31	37	43	41	25	47	35	36	24	43	35	42	28	PN, V
R1689	Residential	NCA01	30	45	52	48	35	52	37	38	27	42	43	50	27	PN, V, SN, RP, DR
R1690	Residential	NCA04	91	53	40	37	23	40	34	35	24	47	51	57	88	PN, V, SN, AA, RP, DR
R1691	Residential	NCA01	42	59	62	59	41	61	54	55	39	52	53	61	39	PN, V, SN, AA, RP, DR
R1692	Residential	NCA01	41	56	60	58	39	59	51	53	40	51	53	60	38	PN, V, SN, RP, DR
R1693	Residential	NCA03	47	79	48	45	30	48	43	44	32	70	71	78	44	PN, V, SN, AA, RP, DR
R1694	Residential	NCA04	69	50	42	39	25	42	35	37	26	47	44	51	66	PN, V, SN, AA, RP, DR
R1695	Residential	NCA01	44	60	63	60	44	63	54	56	44	55	55	62	41	PN, V, SN, AA, RP, DR
R1696	Residential	NCA04	91	53	37	33	21	37	30	32	19	39	49	56	88	PN, V, SN, AA, RP, DR
R1697	Residential	NCA01	27	35	42	38	25	42	32	34	22	39	32	39	24	PN, V
R1698	Residential	NCA01	40	60	62	62	44	62	54	56	41	49	56	63	37	PN, V, SN, AA, RP, DR
R1699	Industrial	NCA04	45	43	41	37	22	41	33	35	24	44	40	47	42	-
R1700	Residential	NCA01	25	40	46	42	28	46	30	29	18	33	36	42	22	PN, V
R1701	Residential	NCA04	70	43	37	34	20	37	30	32	22	39	37	44	67	PN, V, SN, AA, RP, DR
R1702	Residential	NCA04	83	56	44	40	26	43	37	39	28	50	52	59	80	PN, V, SN, AA, RP, DR
R1703	Residential	NCA01	42	60	63	60	43	63	52	54	41	53	55	62	39	PN, V, SN, AA, RP, DR
R1704	Residential	NCA01	30	44	51	47	34	52	36	37	26	42	42	48	27	PN, V, SN, RP, DR
R1705	Educational institute	NCA03	54	80	50	47	32	50	45	46	35	79	72	79	51	-
R1706	Residential	NCA01	42	59	62	60	43	62	51	52	40	52	54	61	39	PN, V, SN, AA, RP, DR
R1707	Residential	NCA03	48	77	49	46	31	48	43	45	33	74	70	77	45	PN, V, SN, AA, RP, DR
R1708	Commercial	NCA01	35	55	61	57	43	61	42	43	31	47	52	58	32	-
R1709	Residential	NCA04	72	56	41	37	23	40	34	36	25	48	50	65	69	PN, V, SN, AA, RP, DR
R1710	Residential	NCA04	66	45	40	36	23	40	33	35	24	41	38	46	63	PN, V, SN, AA, RP, DR
R1711	Residential	NCA01	44	60	62	62	44	62	53	55	42	55	56	63	41	PN, V, SN, AA, RP, DR
R1712	Industrial	NCA01	48	61	67	64	47	62	59	60	48	59	57	64	45	-
R1713	Residential	NCA01	42	61	63	62	44	63	52	53	42	53	57	62	39	PN, V, SN, AA, RP, DR
R1714	Residential	NCA01	42	60	63	62	44	64	52	54	42	54	57	63	39	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1715	Commercial	NCA01	33	49	56	52	39	56	39	40	29	45	46	53	30	-
R1716	Residential	NCA01	**39**	**57**	**61**	**57**	**42**	**60**	**47**	**48**	35	**50**	**53**	**60**	36	PN, V, SN, RP, DR
R1717	Residential	NCA01	**43**	**59**	**63**	**59**	**44**	**63**	**51**	**53**	**41**	**53**	**54**	**61**	**40**	PN, V, SN, AA, RP, DR
R1718	Residential	NCA04	**65**	**57**	**42**	**39**	25	**42**	35	**38**	26	**49**	**49**	**65**	**62**	PN, V, SN, AA, RP, DR
R1719	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	**37**	**38**	27	**43**	**43**	**50**	28	PN, V, SN, RP, DR
R1720	Residential	NCA01	27	36	**42**	**39**	25	**43**	33	34	21	**39**	33	**40**	24	PN, V
R1721	Residential	NCA01	**43**	**59**	**61**	**59**	**43**	**63**	**52**	**54**	**41**	**54**	**55**	**62**	**40**	PN, V, SN, AA, RP, DR
R1722	Residential	NCA04	**57**	**54**	**43**	**40**	26	**43**	36	**39**	28	**50**	**48**	**55**	**54**	PN, V, SN, RP, DR
R1723	Residential	NCA04	**70**	**49**	**42**	**39**	25	**42**	35	37	26	**47**	**44**	**51**	**67**	PN, V, SN, AA, RP, DR
R1724	Residential	NCA01	36	**56**	**61**	**57**	**41**	**61**	**40**	**42**	29	**47**	**52**	**59**	33	PN, V, SN, RP, DR
R1725	Residential	NCA01	29	**38**	**45**	**42**	27	**46**	34	36	25	**41**	35	**43**	26	PN, V
R1726	Residential	NCA01	31	**45**	**52**	**48**	34	**51**	**37**	**38**	26	**43**	**42**	**49**	28	PN, V, SN, RP, DR
R1727	Residential	NCA01	28	**40**	**47**	**44**	30	**48**	34	35	24	**40**	**37**	**44**	25	PN, V
R1728	Residential	NCA01	36	**52**	**57**	**53**	**39**	**57**	**40**	**42**	28	**47**	**48**	**55**	33	PN, V, SN, RP, DR
R1729	Residential	NCA01	**41**	**58**	**61**	**58**	**41**	**61**	**50**	**52**	**38**	**52**	**54**	**61**	**38**	PN, V, SN, RP, DR
R1730	Residential	NCA01	26	**38**	**45**	**41**	27	**45**	31	33	21	**38**	36	**42**	23	PN, V
R1731	Residential	NCA04	**67**	**40**	35	31	17	35	27	30	17	37	34	**41**	**64**	PN, V, SN, AA, RP, DR
R1732	Residential	NCA01	**41**	**61**	**62**	**60**	**43**	**62**	**49**	**51**	**37**	**53**	**55**	**62**	**38**	PN, V, SN, AA, RP, DR
R1733	Residential	NCA01	**37**	**56**	**62**	**58**	**44**	**61**	**45**	**47**	34	**50**	**52**	**60**	34	PN, V, SN, AA, RP, DR
R1734	Residential	NCA01	**39**	**59**	**64**	**61**	**46**	**65**	**46**	**48**	34	**51**	**56**	**62**	36	PN, V, SN, AA, RP, DR
R1735	Residential	NCA01	**40**	**60**	**62**	**59**	**44**	**62**	**50**	**50**	**37**	**52**	**55**	**62**	**37**	PN, V, SN, AA, RP, DR
R1736	Residential	NCA01	**38**	**60**	**66**	**62**	**48**	**66**	**43**	**44**	33	**50**	**57**	**64**	35	PN, V, SN, AA, RP, DR
R1737	Residential	NCA01	**38**	**58**	**64**	**60**	**46**	**64**	**45**	**46**	34	**50**	**55**	**62**	35	PN, V, SN, AA, RP, DR
R1738	Residential	NCA01	31	**45**	**52**	**48**	34	**52**	**37**	**39**	26	**43**	**42**	**49**	28	PN, V, SN, RP, DR
R1739	Educational institute	NCA03	57	77	52	49	34	52	49	48	37	79	71	78	54	-
R1740	Residential	NCA01	**37**	**57**	**60**	**58**	**40**	**61**	**44**	**46**	32	**48**	**54**	**60**	34	PN, V, SN, RP, DR
R1741	Residential	NCA04	**51**	**44**	34	30	17	34	27	29	18	**39**	**38**	**45**	**48**	PN, V
R1742	Residential	NCA01	**39**	**59**	**66**	**62**	**47**	**65**	**46**	**48**	34	**49**	**56**	**63**	36	PN, V, SN, AA, RP, DR
R1743	Residential	NCA01	**39**	**60**	**62**	**61**	**42**	**62**	**48**	**49**	35	**51**	**55**	**62**	36	PN, V, SN, AA, RP, DR
R1744	Residential	NCA04	**62**	**47**	**41**	**38**	24	**41**	34	36	25	**44**	**39**	**47**	**59**	PN, V, SN, RP, DR
R1745	Residential	NCA01	28	**38**	**46**	**42**	28	**45**	33	35	23	**40**	35	**41**	25	PN, V
R1746	Residential	NCA01	26	33	**39**	36	22	**39**	31	32	21	**37**	30	**37**	23	PN
R1747	Residential	NCA04	**50**	**50**	**41**	**38**	24	**39**	34	36	22	**44**	**42**	**49**	**47**	PN, V
R1748	Residential	NCA01	23	30	36	32	19	36	27	29	16	34	26	33	20	-
R1749	Residential	NCA04	**59**	**61**	**44**	**40**	26	**43**	36	**38**	26	**46**	**49**	**62**	**56**	PN, V, SN, RP, DR
R1750	Residential	NCA01	**39**	**57**	**61**	**57**	**42**	**60**	**47**	**49**	35	**51**	**53**	**60**	36	PN, V, SN, RP, DR
R1751	Residential	NCA04	**49**	**49**	**41**	37	24	**41**	34	36	24	**44**	**41**	**48**	**46**	PN, V
R1752	Residential	NCA01	30	**37**	**45**	**41**	27	**45**	34	36	24	**40**	34	**41**	27	PN, V
R1753	Residential	NCA01	35	**55**	**59**	**57**	**40**	**60**	**43**	**45**	28	**46**	**51**	**58**	32	PN, V, SN, RP, DR
R1754	Residential	NCA01	28	36	**42**	**38**	25	**45**	32	34	24	**40**	33	**40**	25	PN, V
R1755	Residential	NCA01	**37**	**58**	**59**	**56**	**40**	**59**	**44**	**45**	29	**43**	**53**	**59**	34	PN, V, SN, RP, DR
R1756	Residential	NCA01	**42**	**58**	**62**	**60**	**42**	**62**	**51**	**51**	**39**	**53**	**55**	**61**	**39**	PN, V, SN, AA, RP, DR
R1757	Residential	NCA01	36	**58**	**64**	**60**	**45**	**64**	**43**	**45**	32	**47**	**54**	**62**	33	PN, V, SN, AA, RP, DR
R1758	Residential	NCA01	**41**	**60**	**62**	**59**	**44**	**62**	**48**	**51**	**38**	**52**	**56**	**63**	**38**	PN, V, SN, AA, RP, DR
R1759	Residential	NCA01	**37**	**57**	**61**	**58**	**42**	**61**	**45**	**46**	33	**49**	**52**	**60**	34	PN, V, SN, RP, DR
R1760	Residential	NCA01	**37**	**56**	**61**	**57**	**40**	**61**	**45**	**47**	32	**48**	**53**	**59**	34	PN, V, SN, RP, DR
R1761	Residential	NCA01	30	**40**	**47**	**45**	29	**47**	36	**37**	25	**41**	**37**	**43**	27	PN, V
R1762	Residential	NCA01	**42**	**62**	**69**	**66**	**50**	**62**	**60**	**62**	**50**	**49**	**59**	**66**	**39**	PN, V, SN, AA, RP, DR
R1763	Residential	NCA04	**59**	**60**	36	35	21	36	29	31	18	**39**	**48**	**62**	**56**	PN, V, SN, RP, DR
R1764	Residential	NCA01	**44**	**64**	**71**	**67**	**52**	**64**	**61**	**63**	**51**	**53**	**60**	**67**	**41**	PN, V, SN, AA, RP, DR
R1765	Residential	NCA01	25	34	**40**	**38**	22	**41**	30	32	20	**37**	30	**38**	22	PN
R1766	Residential	NCA01	**39**	**57**	**61**	**59**	**40**	**60**	**46**	**48**	34	**50**	**54**	**60**	36	PN, V, SN, RP, DR
R1767	Industrial	NCA04	47	93	46	43	29	46	40	42	28	57	88	95	44	-
R1768	Residential	NCA04	**57**	**63**	**44**	**41**	27	**44**	**38**	**40**	29	**51**	**50**	**63**	**54**	PN, V, SN, AA, RP, DR
R1769	Residential	NCA01	**41**	**57**	**61**	**58**	**40**	**62**	**50**	**51**	**39**	**50**	**53**	**60**	**38**	PN, V, SN, AA, RP, DR
R1770	Residential	NCA04	**66**	**45**	**41**	37	24	**41**	33	36	22	**42**	**38**	**44**	**63**	PN, V, SN, AA, RP, DR
R1771	Residential	NCA01	29	**40**	**47**	**44**	29	**47**	35	**37**	24	**41**	**37**	**44**	26	PN, V
R1772	Residential	NCA04	**54**	**46**	**41**	37	24	**41**	33	36	24	**46**	**38**	**46**	**51**	PN, V, SN, RP, DR
R1773	Residential	NCA04	**54**	**62**	**44**	**40**	27	**44**	37	**39**	27	**47**	**50**	**63**	**51**	PN, V, SN, AA, RP, DR
R1774	Residential	NCA01	**38**	**57**	**62**	**59**	**42**	**62**	**46**	**48**	34	**50**	**53**	**60**	35	PN, V, SN, AA, RP, DR
R1775	Commercial	NCA01	33	51	58	55	41	58	40	42	30	45	49	56	30	-
R1776	Residential	NCA04	**56**	**57**	**39**	36	23	**39**	31	33	21	**42**	**45**	**62**	**53**	PN, V, SN, RP, DR
R1777	Commercial	NCA01	35	60	65	62	47	66	42	44	32	46	56	63	32	-
R1778	Residential	NCA01	25	33	**40**	36	23	**42**	29	31	18	35	29	36	22	PN, V
R1779	Industrial	NCA04	45	78	48	44	29	47	42	43	30	59	90	97	42	-
R1780	Residential	NCA04	**61**	**50**	**42**	**39**	25	**42**	36	37	27	**48**	**44**	**51**	**58**	PN, V, SN, RP, DR
R1781	Residential	NCA04	**61**	**42**	**38**	34	21	**38**	31	33	21	**41**	36	**44**	**58**	PN, V, SN, RP, DR
R1782	Residential	NCA01	27	34	**41**	**38**	23	**41**	32	33	19	**38**	32	**38**	24	PN
R1783	Residential	NCA04	**63**	**45**	**42**	**38**	24	**41**	35	37	25	**46**	37	**44**	**60**	PN, V, SN, AA, RP, DR
R1784	Residential	NCA01	31	**52**	**57**	**54**	**40**	**57**	**40**	**38**	26	**42**	**48**	**55**	28	PN, V, SN, RP, DR
R1785	Residential	NCA01	30	**43**	**51**	**47**	33	**53**	34	36	25	**41**	**40**	**47**	27	PN, V, SN, RP, DR
R1786	Residential	NCA01	28	**41**	**48**	**45**	30	**49**	34	36	24	**40**	**37**	**44**	25	PN, V
R1787	Residential	NCA01	29	**37**	**43**	**39**	25	**43**	35	36	24	**40**	34	**41**	26	PN, V
R1788	Residential	NCA04	**48**	**49**	**43**	**40**	25	**43**	36	**38**	26	**47**	**41**	**49**	**45**	PN, V
R1789	Commercial	NCA01	54	70	77	74	59	73	67	69	57	63	65	73	51	-
R1790	Residential	NCA01	**49**	**61**	**64**	**62**	**46**	**64**	**56**	**57**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, AA, RP, DR
R1791	Residential	NCA04	**56**	**48**	**41**	**38**	24	**41**	34	36	26	**44**	**39**	**46**	**53**	PN, V, SN, RP, DR
R1792	Residential	NCA04	**57**	**56**	**44**	**41**	27	**44**	**38**	**40**	28	**51**	**47**	**59**	**54**	PN, V, SN, RP, DR
R1793	Residential	NCA01	25	31	**38**	34	21	**38**	29	31	18	**37**	29	35	22	PN
R1794	Residential	NCA01	36	**57**	**61**	**58**	**41**	**61**	**44**	**46**	32	**49**	**54**	**61**	33	PN, V, SN, RP, DR
R1795	Residential	NCA01	**49**	**61**	**65**	**62**	**47**	**64**	**58**	**60**	**47**	**53**	**57**	**63**	**46**	PN, V, SN, AA, RP, DR
R1796	Residential	NCA01	29	**37**	**43**	**39**	25	**43**	34	36	23	**41**	34	**41**	26	PN, V
R1797	Residential	NCA01	28	**38**	**45**	**43**	27	**46**	33	35	23	**40**	36	**42**	25	PN, V
R1798	Residential	NCA01	**39**	**57**	**62**	**58**	**43**	**61**	**47**	**49**	36	**51**	**53**	**60**	36	PN, V, SN, AA, RP, DR
R1799	Residential	NCA01	28	**37**	**43**	**40**	25	**43**	33	35	21	**40**	34	**41**	25	PN, V
R1800	Residential	NCA04	**67**	**49**	**43**	**39**	25	**43**	36	**38**	27	**45**	**45**	**52**	**64**	PN, V, SN, AA, RP, DR
R1801	Residential	NCA01	**40**	**57**	**61**	**58**	**41**	**61**	**47**	**49**	36	**52**	**54**	**61**	**37**	PN, V, SN, RP, DR
R1802	Residential	NCA01	26	35	**40**	**37**	23	**40**	30	32	21	**37**	32	**38**	23	PN
R1803	Residential	NCA01	**48**	**60**	**62**	**61**	**42**	**62**	**55**	**57**	**42**	**52**	**56**	**63**	**45**	PN, V, SN, AA, RP, DR
R1804	Residential	NCA01	25	35	**41**	**38**	24	**42**	29	30	17	**37**	32	**39**	22	PN, V
R1805	Residential	NCA01	28	36	**42**	**40**	25	**43**	34	35	24	**40**	34	**40**	25	PN, V
R1806	Residential	NCA04	**59**	**44**	**39**	35	22	**38**	31	33	22	**40**	37	**44**	**56**	PN, V, SN, RP, DR
R1807	Residential	NCA04	**53**	**47**	**41**	**38**	24	**41**	34	36	25	**43**	**41**	**52**	**50**	PN, V, SN, RP, DR
R1808	Residential	NCA01	**45**	**62**	**64**	**63**	**45**	**64**	**56**	**57**	**45**	**56**	**57**	**64**	**42**	PN, V, SN, AA, RP, DR
R1809	Residential	NCA01	**38**	**59**	**62**	**58**	**42**	**62**	**49**	**50**	34	**50**	**54**	**61**	35	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1810	Residential	NCA01	**44**	**63**	**64**	**64**	**46**	**64**	**55**	**56**	**45**	**56**	**58**	**65**	**41**	PN, V, SN, AA, RP, DR
R1811	Residential	NCA01	28	**37**	**44**	**41**	26	**43**	34	35	23	**40**	33	**40**	25	PN, V
R1812	Residential	NCA01	30	**40**	**46**	**43**	29	**47**	35	**37**	26	**41**	**37**	**43**	27	PN, V
R1813	Residential	NCA01	**47**	**60**	**62**	**60**	**42**	**63**	**53**	**55**	**41**	**59**	**55**	**62**	**44**	PN, V, SN, AA, RP, DR
R1814	Industrial	NCA04	46	76	44	43	25	43	41	38	25	51	81	88	43	-
R1815	Residential	NCA01	**40**	**58**	**62**	**58**	**43**	**62**	**45**	**47**	35	**52**	**53**	**60**	**37**	PN, V, SN, AA, RP, DR
R1816	Residential	NCA04	**51**	**55**	**45**	**42**	27	**45**	**39**	**41**	26	**51**	**50**	**60**	**48**	PN, V, SN, RP, DR
R1817	Residential	NCA04	**62**	**45**	**42**	**39**	25	**42**	36	**38**	26	**47**	**43**	**50**	**59**	PN, V, SN, RP, DR
R1818	Residential	NCA01	**38**	**56**	**61**	**57**	**42**	**61**	**46**	**47**	33	**50**	**52**	**59**	35	PN, V, SN, RP, DR
R1819	Residential	NCA04	**55**	**58**	**44**	**42**	27	**44**	**38**	**40**	28	**50**	**48**	**56**	**52**	PN, V, SN, RP, DR
R1820	Residential	NCA01	**40**	**56**	**60**	**58**	**40**	**60**	**48**	**49**	35	**51**	**53**	**60**	**37**	PN, V, SN, RP, DR
R1821	Residential	NCA01	**45**	**63**	**64**	**64**	**46**	**64**	**55**	**57**	**44**	**55**	**59**	**66**	**42**	PN, V, SN, AA, RP, DR
R1822	Residential	NCA01	25	**38**	**46**	**43**	28	**46**	30	31	16	**37**	34	**41**	22	PN, V
R1823	Residential	NCA01	27	34	**41**	**40**	24	**44**	32	34	20	**38**	31	**38**	24	PN, V
R1824	Residential	NCA01	**42**	**62**	**65**	**62**	**45**	**65**	**53**	**55**	**41**	**54**	**56**	**63**	**39**	PN, V, SN, AA, RP, DR
R1825	Residential	NCA01	**38**	**59**	**60**	**59**	**41**	**60**	**47**	**48**	31	**49**	**54**	**60**	35	PN, V, SN, RP, DR
R1826	Residential	NCA04	**63**	**52**	**42**	**39**	25	**42**	35	37	26	**47**	**45**	**52**	**60**	PN, V, SN, AA, RP, DR
R1827	Residential	NCA01	30	**44**	**49**	**46**	32	**52**	**37**	**38**	27	**42**	**40**	**47**	27	PN, V, SN, RP, DR
R1828	Residential	NCA01	**42**	**63**	**64**	**62**	**45**	**65**	**53**	**54**	**40**	**54**	**58**	**65**	**39**	PN, V, SN, AA, RP, DR
R1829	Residential	NCA01	27	**40**	**47**	**44**	29	**52**	33	35	21	**39**	**38**	**46**	24	PN, V, SN, RP, DR
R1830	Industrial	NCA04	48	77	52	49	33	52	45	47	35	63	82	89	45	-
R1831	Residential	NCA01	36	**52**	**59**	**54**	**40**	**59**	**42**	**43**	31	**48**	**49**	**56**	33	PN, V, SN, RP, DR
R1832	Residential	NCA01	29	**42**	**49**	**46**	31	**50**	36	36	25	**41**	**39**	**45**	26	PN, V
R1833	Residential	NCA04	**49**	**59**	**43**	**39**	25	**42**	36	**38**	26	**48**	**47**	**55**	**46**	PN, V, SN, RP, DR
R1834	Residential	NCA04	**50**	**57**	**44**	**40**	26	**43**	**38**	**39**	26	**50**	**47**	**55**	**47**	PN, V, SN, RP, DR
R1835	Residential	NCA04	**41**	**55**	**45**	**42**	28	**45**	**39**	**40**	29	**52**	**51**	**58**	**38**	PN, V, SN, RP, DR
R1836	Residential	NCA01	**41**	**63**	**64**	**64**	**45**	**66**	**52**	**53**	**39**	**53**	**58**	**65**	**38**	PN, V, SN, AA, RP, DR
R1837	Residential	NCA04	**52**	**53**	**44**	**40**	26	**44**	37	**39**	27	**49**	**45**	**53**	**49**	PN, V, SN, RP, DR
R1838	Residential	NCA01	27	**38**	**45**	**41**	27	**44**	33	35	23	**39**	34	**41**	24	PN, V
R1839	Residential	NCA01	**41**	**62**	**64**	**62**	**45**	**64**	**52**	**56**	**40**	**54**	**56**	**63**	**38**	PN, V, SN, AA, RP, DR
R1840	Residential	NCA01	**43**	**63**	**65**	**64**	**47**	**65**	**52**	**54**	**42**	**54**	**58**	**65**	**40**	PN, V, SN, AA, RP, DR
R1841	Residential	NCA01	**40**	**63**	**64**	**62**	**44**	**64**	**50**	**51**	**37**	**52**	**58**	**64**	**37**	PN, V, SN, AA, RP, DR
R1842	Residential	NCA01	29	**42**	**48**	**45**	31	**49**	35	**37**	25	**41**	**38**	**45**	26	PN, V
R1843	Residential	NCA01	**43**	**63**	**65**	**63**	**46**	**65**	**51**	**53**	**40**	**55**	**58**	**65**	**40**	PN, V, SN, AA, RP, DR
R1844	Residential	NCA04	**47**	**48**	**42**	**38**	25	**42**	35	37	26	**43**	**41**	**52**	**44**	PN, V
R1845	Residential	NCA01	**42**	**64**	**65**	**65**	**47**	**65**	**51**	**52**	**39**	**53**	**59**	**66**	**39**	PN, V, SN, AA, RP, DR
R1846	Residential	NCA01	**38**	**61**	**63**	**61**	**44**	**64**	**46**	**47**	34	**50**	**56**	**62**	35	PN, V, SN, AA, RP, DR
R1847	Residential	NCA01	**39**	**63**	**64**	**62**	**44**	**64**	**49**	**51**	36	**51**	**58**	**64**	36	PN, V, SN, AA, RP, DR
R1848	Residential	NCA01	32	**47**	**54**	**50**	36	**55**	**38**	**40**	27	**44**	**44**	**51**	29	PN, V, SN, RP, DR
R1849	Residential	NCA01	36	**62**	**68**	**64**	**50**	**68**	**44**	**46**	31	**48**	**59**	**66**	33	PN, V, SN, AA, RP, DR
R1850	Industrial	NCA01	34	60	65	61	47	65	41	42	30	46	54	62	31	-
R1851	Residential	NCA04	**55**	**48**	**44**	**41**	27	**44**	**38**	**40**	28	**51**	**44**	**53**	**52**	PN, V, SN, RP, DR
R1852	Residential	NCA01	**39**	**62**	**63**	**60**	**43**	**63**	**49**	**51**	35	**49**	**56**	**63**	36	PN, V, SN, AA, RP, DR
R1853	Residential	NCA01	32	**44**	**49**	**46**	30	**53**	**38**	**39**	26	**44**	**41**	**47**	29	PN, V, SN, RP, DR
R1854	Residential	NCA01	**40**	**63**	**67**	**65**	**49**	**68**	**47**	**49**	34	**50**	**59**	**66**	**37**	PN, V, SN, AA, RP, DR
R1855	Residential	NCA01	29	**40**	**46**	**43**	29	**46**	34	36	24	**40**	**37**	**44**	26	PN, V
R1856	Residential	NCA01	27	35	**42**	**38**	25	**42**	32	34	20	**39**	33	**39**	24	PN, V
R1857	Residential	NCA01	**39**	**63**	**64**	**61**	**44**	**64**	**48**	**51**	35	**51**	**57**	**64**	36	PN, V, SN, AA, RP, DR
R1858	Residential	NCA01	**38**	**62**	**66**	**63**	**47**	**67**	**45**	**47**	33	**49**	**58**	**65**	35	PN, V, SN, AA, RP, DR
R1859	Residential	NCA01	28	**39**	**47**	**44**	31	**48**	34	36	24	**40**	**37**	**44**	25	PN, V
R1860	Residential	NCA04	**51**	**46**	**39**	35	21	**39**	32	34	23	**45**	**39**	**47**	**48**	PN, V
R1861	Industrial	NCA04	50	78	50	48	32	50	44	46	35	77	92	99	47	-
R1862	Residential	NCA04	**52**	**47**	**40**	36	23	**40**	32	35	24	**45**	**39**	**47**	**49**	PN, V
R1863	Residential	NCA01	**40**	**63**	**66**	**63**	**47**	**65**	**49**	**51**	**37**	**52**	**60**	**67**	**37**	PN, V, SN, AA, RP, DR
R1864	Residential	NCA01	**38**	**62**	**68**	**64**	**50**	**68**	**44**	**46**	33	**48**	**59**	**66**	35	PN, V, SN, AA, RP, DR
R1865	Residential	NCA04	**55**	**49**	**42**	**39**	25	**42**	35	37	25	**46**	**43**	**50**	**52**	PN, V, SN, RP, DR
R1866	Residential	NCA01	**41**	**63**	**64**	**63**	**45**	**64**	**49**	**51**	**37**	**52**	**58**	**66**	**38**	PN, V, SN, AA, RP, DR
R1867	Residential	NCA04	**56**	**45**	**39**	36	22	**39**	32	34	24	**45**	**40**	**47**	**53**	PN, V, SN, RP, DR
R1868	Residential	NCA04	**47**	**48**	**42**	**39**	24	**42**	35	37	25	**47**	**41**	**51**	**44**	PN, V
R1869	Residential	NCA01	28	**37**	**43**	**40**	26	**43**	32	34	21	**40**	33	**40**	25	PN, V
R1870	Residential	NCA01	29	**42**	**49**	**45**	31	**49**	35	**37**	25	**41**	**39**	**46**	26	PN, V
R1871	Residential	NCA04	**52**	**46**	**41**	**38**	24	**41**	35	37	25	**46**	37	**44**	**49**	PN, V
R1872	Residential	NCA04	**54**	**48**	**40**	36	23	**39**	33	35	24	**47**	**42**	**49**	**51**	PN, V, SN, RP, DR
R1873	Residential	NCA04	**47**	**48**	**43**	**40**	26	**43**	37	**39**	28	**49**	**46**	**53**	**44**	PN, V, SN, RP, DR
R1874	Residential	NCA01	**41**	**60**	**64**	**61**	**44**	**65**	**49**	**50**	**37**	**52**	**56**	**63**	**38**	PN, V, SN, AA, RP, DR
R1875	Residential	NCA01	**39**	**62**	**65**	**61**	**46**	**65**	**48**	**50**	36	**50**	**58**	**64**	36	PN, V, SN, AA, RP, DR
R1876	Residential	NCA01	**38**	**63**	**64**	**62**	**44**	**64**	**49**	**51**	35	**50**	**58**	**64**	35	PN, V, SN, AA, RP, DR
R1877	Residential	NCA01	27	**37**	**44**	**41**	26	**44**	33	35	21	**39**	34	**41**	24	PN, V
R1878	Industrial	NCA04	44	44	39	36	22	39	32	34	24	44	39	45	41	-
R1879	Residential	NCA01	**39**	**63**	**68**	**64**	**47**	**68**	**47**	**49**	35	**50**	**59**	**66**	36	PN, V, SN, AA, RP, DR
R1880	Commercial	NCA01	33	46	55	51	36	58	40	42	29	45	44	51	30	-
R1881	Residential	NCA01	33	**47**	**54**	**50**	36	**55**	**39**	**41**	29	**45**	**44**	**51**	30	PN, V, SN, RP, DR
R1882	Residential	NCA01	31	**46**	**53**	**49**	36	**53**	**37**	**39**	27	**43**	**44**	**51**	28	PN, V, SN, RP, DR
R1883	Residential	NCA04	**57**	**47**	**39**	36	22	**39**	32	34	23	**46**	**42**	**49**	**54**	PN, V, SN, RP, DR
R1884	Residential	NCA04	**50**	**41**	36	33	20	36	29	31	21	**40**	35	**42**	**47**	PN, V
R1885	Residential	NCA01	**38**	**61**	**65**	**62**	**47**	**65**	**47**	**49**	35	**49**	**56**	**63**	35	PN, V, SN, AA, RP, DR
R1886	Residential	NCA04	**61**	**51**	**43**	**40**	26	**43**	36	**38**	27	**48**	**45**	**53**	**58**	PN, V, SN, RP, DR
R1887	Residential	NCA01	27	**37**	**44**	**40**	26	**44**	31	33	20	**39**	35	**41**	24	PN, V
R1888	Residential	NCA04	**57**	**49**	**42**	**38**	24	**41**	34	37	25	**43**	**42**	**49**	**54**	PN, V, SN, RP, DR
R1889	Residential	NCA01	**39**	**62**	**65**	**61**	**46**	**64**	**49**	**50**	35	**50**	**58**	**65**	36	PN, V, SN, AA, RP, DR
R1890	Industrial	NCA04	45	43	40	36	23	40	33	35	24	44	39	46	42	-
R1891	Residential	NCA01	29	**42**	**49**	**45**	31	**48**	35	36	25	**41**	**39**	**45**	26	PN, V
R1892	Industrial	NCA04	54	76	52	50	34	51	47	49	35	96	83	90	51	-
R1893	Residential	NCA01	**39**	**61**	**62**	**61**	**42**	**62**	**54**	**56**	**40**	**51**	**56**	**63**	36	PN, V, SN, AA, RP, DR
R1894	Residential	NCA04	**51**	**38**	**39**	35	22	**38**	31	31	20	**38**	33	**40**	**48**	PN, V
R1895	Residential	NCA01	29	**40**	**47**	**44**	30	**48**	35	36	23	**41**	**38**	**45**	26	PN, V
R1896	Residential	NCA01	29	**37**	**44**	**40**	26	**44**	34	35	19	**40**	35	**42**	26	PN, V
R1897	Residential	NCA01	27	35	**41**	**37**	24	**41**	33	34	19	**39**	32	**39**	24	PN
R1898	Residential	NCA04	**57**	**50**	**41**	**38**	24	**41**	34	36	25	**47**	**45**	**52**	**54**	PN, V, SN, RP, DR
R1899	Residential	NCA01	**42**	**61**	**64**	**62**	**43**	**64**	**56**	**58**	**42**	**50**	**57**	**64**	**39**	PN, V, SN, AA, RP, DR
R1900	Residential	NCA04	**55**	**39**	37	33	20	37	29	31	21	37	35	**41**	**52**	PN, V, SN, RP, DR
R1901	Residential	NCA01	22	32	**37**	34	20	**39**	28	30	17	34	29	36	19	PN
R1902	Residential	NCA01	23	30	36	32	19	36	27	29	13	35	27	34	20	-
R1903	Residential	NCA01	**43**	**62**	**64**	**63**	**44**	**65**	**56**	**57**	**40**	**55**	**58**	**64**	**40**	PN, V, SN, AA, RP, DR
R1904	Industrial	NCA04	44	44	40	36	23	40	32	34	24	41	37	45	41	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R1905	Residential	NCA01	30	**39**	**47**	**44**	30	**48**	35	**37**	22	**42**	35	**42**	27	PN, V
R1906	Industrial	NCA01	51	78	82	79	65	73	68	70	59	61	67	74	48	-
R1907	Residential	NCA01	**43**	**62**	**65**	**62**	**44**	**65**	**55**	**56**	**40**	**56**	**57**	**64**	**40**	PN, V, SN, AA, RP, DR
R1908	Residential	NCA01	27	**38**	**46**	**42**	27	**45**	33	35	22	**40**	35	**42**	24	PN, V
R1909	Residential	NCA04	**48**	**40**	37	33	20	37	30	32	20	**38**	34	**41**	**45**	PN, V
R1910	Industrial	NCA01	32	62	68	64	49	67	38	39	26	43	58	65	29	-
R1911	Residential	NCA01	31	**47**	**53**	**49**	35	**54**	**37**	**39**	27	**43**	**43**	**51**	28	PN, V, SN, RP, DR
R1912	Commercial	NCA01	34	50	56	53	39	62	40	42	29	46	47	54	31	-
R1913	Residential	NCA01	**44**	**62**	**65**	**63**	**44**	**65**	**55**	**57**	**40**	**55**	**58**	**65**	**41**	PN, V, SN, AA, RP, DR
R1914	Residential	NCA04	**46**	**39**	**38**	34	21	**38**	30	32	21	**38**	34	**41**	**43**	PN, V
R1915	Residential	NCA04	**48**	**42**	**39**	35	21	**39**	31	33	22	**39**	37	**43**	**45**	PN, V
R1916	Residential	NCA01	36	**63**	**68**	**64**	**50**	**68**	**45**	**47**	33	**48**	**59**	**66**	33	PN, V, SN, AA, RP, DR
R1917	Residential	NCA04	**46**	**48**	**40**	37	23	**40**	34	35	25	**47**	**45**	**53**	**43**	PN, V, SN, RP, DR
R1918	Residential	NCA01	**42**	**63**	**66**	**64**	**45**	**66**	**54**	**56**	**38**	**54**	**58**	**65**	**39**	PN, V, SN, AA, RP, DR
R1919	Educational institute	NCA01	26	35	41	38	23	43	30	32	17	38	32	39	23	-
R1920	Residential	NCA01	**43**	**62**	**65**	**63**	**44**	**65**	**55**	**56**	**39**	**55**	**58**	**65**	**40**	PN, V, SN, AA, RP, DR
R1921	Residential	NCA01	26	33	**39**	35	22	**39**	30	32	18	**38**	30	**37**	23	PN
R1922	Residential	NCA01	29	**42**	**50**	**46**	32	**50**	35	**37**	24	**41**	**40**	**45**	26	PN, V
R1923	Industrial	NCA04	60	76	55	51	38	55	49	51	39	96	83	90	57	-
R1924	Residential	NCA04	**52**	**54**	**45**	**41**	27	**44**	**38**	**40**	29	**51**	**51**	**57**	**49**	PN, V, SN, RP, DR
R1925	Residential	NCA04	**50**	**49**	**40**	37	23	**40**	33	35	25	**44**	**44**	**52**	**47**	PN, V
R1926	Residential	NCA01	**42**	**66**	**67**	**65**	**46**	**67**	**54**	**56**	**39**	**54**	**60**	**67**	**39**	PN, V, SN, AA, RP, DR
R1927	Residential	NCA04	**53**	**40**	**38**	34	21	**38**	31	33	22	**40**	34	**41**	**50**	PN, V, SN, RP, DR
R1928	Residential	NCA04	**50**	**49**	**43**	**39**	25	**42**	37	**39**	26	**49**	**47**	**53**	**47**	PN, V, SN, RP, DR
R1929	Residential	NCA01	**41**	**67**	**67**	**67**	**47**	**67**	**54**	**55**	**39**	**52**	**61**	**68**	**38**	PN, V, SN, AA, RP, DR
R1930	Residential	NCA04	**46**	**49**	**39**	36	22	**39**	32	34	23	**42**	**46**	**54**	**43**	PN, V, SN, RP, DR
R1931	Commercial	NCA01	35	53	60	56	42	60	41	44	31	47	51	58	32	-
R1932	Residential	NCA04	**50**	**46**	**38**	35	22	**38**	31	33	22	**41**	**42**	**49**	**47**	PN, V
R1933	Residential	NCA01	25	32	**39**	34	21	**39**	29	31	16	**37**	29	**37**	22	PN
R1934	Residential	NCA01	**41**	**64**	**66**	**63**	**46**	**66**	**53**	**55**	**38**	**53**	**58**	**65**	**38**	PN, V, SN, AA, RP, DR
R1935	Residential	NCA01	28	36	**42**	**39**	25	**43**	32	34	19	**39**	33	**40**	25	PN, V
R1936	Residential	NCA04	**45**	**47**	**42**	**38**	25	**42**	34	37	26	**43**	**43**	**49**	**42**	PN, V
R1937	Residential	NCA04	**46**	**48**	**40**	36	23	**40**	32	35	24	**47**	**44**	**49**	**43**	PN, V
R1938	Residential	NCA01	31	**40**	**47**	**44**	29	**47**	36	**38**	22	**42**	35	**42**	28	PN, V
R1939	Residential	NCA01	31	**47**	**52**	**49**	35	**54**	**38**	**40**	27	**43**	**41**	**48**	28	PN, V, SN, RP, DR
R1940	Residential	NCA04	**47**	**43**	**38**	34	21	**38**	30	33	22	**40**	**40**	**47**	**44**	PN, V
R1941	Residential	NCA01	29	**39**	**47**	**43**	29	**46**	35	36	23	**41**	**37**	**44**	26	PN, V
R1942	Residential	NCA01	**40**	**66**	**66**	**64**	**46**	**66**	**51**	**52**	36	**52**	**60**	**67**	**37**	PN, V, SN, AA, RP, DR
R1943	Residential	NCA04	**44**	**45**	**40**	37	23	**40**	33	35	23	**42**	36	**43**	**41**	PN, V
R1944	Residential	NCA01	23	30	36	32	19	**37**	26	28	12	35	27	34	20	PN
R1945	Residential	NCA01	**42**	**60**	**61**	**61**	**42**	**63**	**54**	**56**	**41**	**54**	**56**	**63**	**39**	PN, V, SN, AA, RP, DR
R1946	Residential	NCA04	**48**	**43**	**40**	36	23	**40**	34	35	24	**44**	**38**	**45**	**45**	PN, V
R1947	Industrial	NCA04	58	71	53	49	35	54	48	50	37	84	74	81	55	-
R1948	Residential	NCA01	29	**42**	**49**	**45**	31	**48**	35	**37**	25	**41**	**39**	**46**	26	PN, V
R1949	Residential	NCA04	**45**	**41**	**39**	35	22	**39**	31	34	23	**42**	37	**45**	**42**	PN, V
R1950	Residential	NCA04	**47**	**44**	**39**	35	22	**39**	31	34	23	**40**	37	**44**	**44**	PN, V
R1951	Industrial	NCA04	48	65	49	46	32	48	43	45	34	67	65	72	45	-
R1952	Place of worship	NCA01	32	45	50	48	32	53	37	39	24	44	40	47	29	-
R1953	Residential	NCA01	**42**	**68**	**67**	**68**	**48**	**68**	**51**	**53**	**39**	**53**	**63**	**69**	**39**	PN, V, SN, AA, RP, DR
R1954	Residential	NCA04	**52**	**43**	**39**	35	22	**39**	32	34	23	**40**	36	**43**	**49**	PN, V
R1955	Residential	NCA01	30	**38**	**44**	**40**	26	**44**	36	**38**	23	**42**	35	**42**	27	PN, V
R1956	Residential	NCA01	26	33	**39**	36	22	**40**	29	31	16	**37**	30	**37**	23	PN
R1957	Residential	NCA04	**46**	**43**	**41**	37	23	**41**	33	35	25	**42**	37	**43**	**43**	PN, V
R1958	Residential	NCA04	**54**	**48**	**42**	**39**	25	**42**	35	37	26	**46**	**41**	**49**	**51**	PN, V, SN, RP, DR
R1959	Residential	NCA01	**38**	**66**	**67**	**65**	**48**	**67**	**41**	**42**	28	**50**	**61**	**68**	35	PN, V, SN, AA, RP, DR
R1960	Residential	NCA01	**40**	**67**	**66**	**65**	**46**	**67**	**49**	**50**	33	**51**	**60**	**67**	**37**	PN, V, SN, AA, RP, DR
R1961	Residential	NCA04	**48**	**40**	**39**	36	22	**39**	33	35	24	**43**	35	**42**	**45**	PN, V
R1962	Residential	NCA01	31	**40**	**46**	**44**	30	**48**	**37**	**39**	26	**43**	36	**43**	28	PN, V
R1963	Residential	NCA01	**38**	**66**	**66**	**65**	**46**	**66**	**47**	**49**	34	**50**	**60**	**67**	35	PN, V, SN, AA, RP, DR
R1964	Residential	NCA04	**52**	**39**	**40**	36	23	**40**	33	35	24	**44**	35	**42**	**49**	PN, V
R1965	Residential	NCA04	**52**	**43**	**40**	36	22	**39**	31	34	23	**40**	**40**	**46**	**49**	PN, V
R1966	Residential	NCA04	**41**	**40**	**40**	37	23	**39**	34	36	24	**46**	37	**44**	**38**	PN, V
R1967	Residential	NCA01	**41**	**68**	**69**	**69**	**50**	**69**	**50**	**52**	**38**	**52**	**64**	**71**	**38**	PN, V, SN, AA, RP, DR
R1968	Residential	NCA01	28	**37**	**45**	**41**	28	**44**	33	35	21	**40**	35	**41**	25	PN, V
R1969	Residential	NCA04	**51**	**48**	**42**	**38**	24	**41**	34	36	26	**46**	**42**	**49**	**48**	PN, V
R1970	Residential	NCA04	**53**	**46**	**43**	**39**	25	**43**	35	37	25	**45**	**40**	**47**	**50**	PN, V, SN, RP, DR
R1971	Residential	NCA01	31	**38**	**44**	**40**	25	**44**	36	**38**	22	**43**	35	**42**	28	PN, V
R1972	Residential	NCA04	**51**	**46**	**40**	36	22	**39**	33	35	24	**46**	**42**	**48**	**48**	PN, V
R1973	Residential	NCA01	28	**43**	**50**	**47**	32	**51**	35	**37**	22	**41**	**38**	**46**	25	PN, V
R1974	Residential	NCA01	33	**66**	**66**	**65**	**47**	**66**	**41**	**43**	28	**42**	**60**	**67**	30	PN, V, SN, AA, RP, DR
R1975	Residential	NCA01	27	**37**	**45**	**41**	27	**45**	33	35	22	**40**	35	**42**	24	PN, V
R1976	Residential	NCA01	31	**48**	**53**	**50**	36	**55**	**38**	**39**	27	**43**	**43**	**50**	28	PN, V, SN, RP, DR
R1977	Residential	NCA04	**42**	**44**	**39**	35	22	**39**	32	33	23	**41**	**38**	**45**	**39**	PN, V
R1978	Residential	NCA04	**53**	**44**	**42**	**39**	25	**42**	35	37	26	**44**	**42**	**48**	**50**	PN, V, SN, RP, DR
R1979	Residential	NCA01	30	**44**	**51**	**48**	34	**51**	35	**37**	26	**42**	**41**	**48**	27	PN, V
R1980	Residential	NCA01	**39**	**67**	**69**	**67**	**49**	**67**	**47**	**49**	36	**50**	**62**	**69**	36	PN, V, SN, AA, RP, DR
R1981	Residential	NCA04	**43**	**52**	**44**	**41**	27	**44**	**38**	**40**	29	**50**	**50**	**56**	**40**	PN, V, SN, RP, DR
R1982	Residential	NCA01	**37**	**66**	**66**	**66**	**46**	**67**	**46**	**48**	33	**49**	**61**	**68**	34	PN, V, SN, AA, RP, DR
R1983	Residential	NCA01	**39**	**66**	**68**	**66**	**48**	**68**	**48**	**49**	36	**50**	**60**	**67**	36	PN, V, SN, AA, RP, DR
R1984	Residential	NCA01	29	**47**	**54**	**50**	36	**55**	35	**37**	25	**41**	**41**	**48**	26	PN, V, SN, RP, DR
R1985	Residential	NCA01	28	**40**	**46**	**42**	29	**46**	35	36	22	**41**	**37**	**44**	25	PN, V
R1986	Residential	NCA04	**42**	**44**	**43**	**39**	25	**43**	35	37	27	**44**	**42**	**47**	**39**	PN, V
R1987	Industrial	NCA01	43	69	69	69	50	69	53	55	40	54	63	70	40	-
R1988	Residential	NCA01	30	**47**	**53**	**51**	35	**54**	**37**	**39**	24	**42**	**41**	**48**	27	PN, V, SN, RP, DR
R1989	Residential	NCA04	**52**	**48**	**42**	**39**	25	**42**	35	37	27	**45**	**41**	**49**	**49**	PN, V
R1990	Residential	NCA01	27	35	**40**	**37**	24	**41**	32	34	20	**39**	31	**39**	24	PN
R1991	Residential	NCA01	31	**48**	**54**	**51**	**38**	**55**	**37**	**38**	25	**43**	**44**	**51**	28	PN, V, SN, RP, DR
R1992	Residential	NCA04	**43**	**39**	**39**	36	22	**39**	33	35	23	**41**	34	**41**	**40**	PN
R1993	Residential	NCA01	28	**42**	**49**	**45**	31	**49**	34	36	24	**40**	**39**	**46**	25	PN, V
R1994	Residential	NCA04	**43**	35	**39**	35	22	**39**	32	34	23	**41**	32	**39**	**40**	PN, V
R1995	Residential	NCA01	**39**	**66**	**69**	**66**	**49**	**69**	**47**	**49**	34	**50**	**61**	**68**	36	PN, V, SN, AA, RP, DR
R1996	Residential	NCA01	**39**	**66**	**67**	**65**	**46**	**67**	**48**	**49**	34	**51**	**61**	**68**	36	PN, V, SN, AA, RP, DR
R1997	Residential	NCA04	**49**	**42**	**39**	36	22	**39**	32	34	24	**40**	**38**	**45**	**46**	PN, V
R1998	Residential	NCA01	31	**48**	**53**	**50**	36	**54**	**37**	**38**	27	**43**	**44**	**50**	28	PN, V, SN, RP, DR
R1999	Residential	NCA01	29	**39**	**46**	**43**	29	**47**	33	35	19	**41**	35	**41**	26	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2000	Residential	NCA01	28	**37**	**43**	**39**	26	**44**	33	34	20	**40**	34	**41**	25	PN, V
R2001	Residential	NCA04	**43**	**47**	**44**	**40**	26	**43**	37	**39**	28	**49**	**45**	**51**	**40**	PN, V
R2002	Residential	NCA04	**52**	**43**	**41**	37	24	**41**	33	35	24	**41**	**39**	**46**	**49**	PN, V
R2003	Residential	NCA01	**38**	**67**	**70**	**66**	**49**	**70**	**47**	**49**	34	**50**	**61**	**68**	35	PN, V, SN, AA, RP, DR
R2004	Residential	NCA04	**38**	**38**	37	34	20	37	30	33	23	37	34	**41**	35	PN
R2005	Residential	NCA01	30	**46**	**53**	**50**	35	**54**	35	**37**	23	**42**	**41**	**48**	27	PN, V, SN, RP, DR
R2006	Residential	NCA01	**37**	**66**	**69**	**66**	**50**	**69**	**44**	**46**	32	**47**	**61**	**68**	34	PN, V, SN, AA, RP, DR
R2007	Residential	NCA01	25	32	**38**	34	21	**39**	25	27	14	34	29	36	22	PN
R2008	Residential	NCA01	29	**41**	**46**	**42**	30	**47**	34	36	24	**41**	**37**	**44**	26	PN, V
R2009	Residential	NCA01	**38**	**66**	**70**	**67**	**50**	**70**	**46**	**48**	32	**49**	**62**	**69**	35	PN, V, SN, AA, RP, DR
R2010	Residential	NCA01	30	**43**	**50**	**46**	32	**50**	36	**38**	22	**42**	**41**	**48**	27	PN, V
R2011	Residential	NCA01	26	32	**38**	34	21	**38**	29	30	16	**38**	29	36	23	PN
R2012	Residential	NCA04	**42**	**49**	**43**	**40**	26	**43**	37	**39**	28	**49**	**47**	**52**	**39**	PN, V
R2013	Residential	NCA04	**52**	**41**	**40**	37	23	**40**	32	35	24	**41**	**38**	**45**	**49**	PN, V
R2014	Residential	NCA01	**38**	**65**	**68**	**65**	**49**	**68**	**46**	**48**	32	**48**	**60**	**67**	35	PN, V, SN, AA, RP, DR
R2015	Residential	NCA01	**39**	**67**	**70**	**67**	**52**	**71**	**46**	**48**	35	**50**	**62**	**69**	36	PN, V, SN, AA, RP, DR
R2016	Residential	NCA01	**40**	**70**	**68**	**68**	**47**	**68**	**49**	**52**	35	**51**	**61**	**69**	**37**	PN, V, SN, AA, RP, DR
R2017	Residential	NCA04	**44**	37	**41**	**38**	24	**41**	34	36	25	**42**	35	**42**	**41**	PN, V
R2018	Residential	NCA04	**48**	**40**	**41**	**38**	24	**41**	34	36	23	**40**	37	**44**	**45**	PN, V
R2019	Residential	NCA01	28	**37**	**43**	**39**	26	**43**	33	35	20	**40**	34	**40**	25	PN, V
R2020	Residential	NCA01	27	**38**	**45**	**41**	27	**45**	33	35	21	**40**	35	**42**	24	PN, V
R2021	Residential	NCA01	26	**39**	**45**	**41**	27	**46**	29	31	17	**38**	36	**43**	23	PN, V
R2022	Commercial	NCA01	35	68	66	63	49	71	40	42	31	45	56	63	32	-
R2023	Residential	NCA04	**50**	**40**	**39**	35	22	**39**	31	33	23	**39**	37	**43**	**47**	PN, V
R2024	Residential	NCA01	**40**	**70**	**72**	**70**	**54**	**73**	**47**	**48**	35	**51**	**64**	**71**	**37**	PN, V, SN, AA, RP, DR
R2025	Residential	NCA01	27	33	**40**	35	21	**39**	31	33	16	**39**	30	**38**	24	PN
R2026	Residential	NCA01	36	**69**	**72**	**69**	**54**	**72**	**42**	**44**	30	**48**	**63**	**70**	33	PN, V, SN, AA, RP, DR
R2027	Residential	NCA04	**41**	**44**	**43**	**40**	26	**43**	36	**39**	26	**44**	**41**	**47**	**38**	PN, V
R2028	Industrial	NCA01	42	76	71	73	50	73	54	56	39	54	65	72	39	-
R2029	Residential	NCA04	**43**	**51**	**44**	**41**	27	**44**	37	**39**	29	**50**	**49**	**56**	**40**	PN, V, SN, RP, DR
R2030	Place of worship	NCA01	30	42	48	45	31	48	34	36	22	42	39	47	27	-
R2031	Residential	NCA01	35	**68**	**72**	**68**	**54**	**72**	**41**	**43**	29	**47**	**63**	**70**	32	PN, V, SN, AA, RP, DR
R2032	Residential	NCA04	**48**	**41**	37	34	21	37	30	32	22	**39**	35	**47**	**45**	PN, V
R2033	Residential	NCA01	29	**39**	**45**	**41**	28	**46**	34	35	23	**40**	36	**43**	26	PN, V
R2034	Residential	NCA01	**40**	**71**	**71**	**70**	**49**	**69**	**49**	**51**	36	**51**	**65**	**72**	**37**	PN, V, SN, AA, RP, DR
R2035	Place of worship	NCA01	30	43	50	46	32	50	36	37	25	41	40	47	27	-
R2036	Residential	NCA01	27	34	**39**	35	22	**39**	31	33	18	**38**	30	**37**	24	PN
R2037	Residential	NCA04	**45**	**44**	**42**	**39**	25	**42**	35	37	25	**44**	**42**	**49**	**42**	PN, V
R2038	Industrial	NCA04	48	61	49	47	32	49	44	46	35	71	60	67	45	-
R2039	Commercial	NCA01	33	56	60	56	43	62	40	41	29	45	46	53	30	-
R2040	Residential	NCA01	**38**	**70**	**67**	**67**	**48**	**68**	**48**	**50**	34	**50**	**62**	**69**	35	PN, V, SN, AA, RP, DR
R2041	Residential	NCA04	**44**	**39**	**38**	34	20	36	31	33	22	**39**	37	**44**	**41**	PN, V
R2042	Residential	NCA04	**42**	**47**	**43**	**39**	25	**42**	36	**38**	26	**45**	**45**	**51**	**39**	PN, V
R2043	Residential	NCA01	22	28	34	32	17	36	24	26	13	34	25	32	19	-
R2044	Commercial	NCA01	33	51	57	53	39	58	40	42	28	45	46	53	30	-
R2045	Residential	NCA04	**43**	**51**	**44**	**40**	26	**43**	37	**39**	28	**49**	**49**	**54**	**40**	PN, V, SN, RP, DR
R2046	Residential	NCA04	**46**	**46**	**42**	**38**	25	**41**	35	37	26	**44**	**44**	**49**	**43**	PN, V
R2047	Residential	NCA04	**47**	**46**	**41**	37	24	**41**	34	36	25	**46**	**40**	**45**	**44**	PN, V
R2048	Residential	NCA04	**45**	**43**	**40**	37	23	**40**	34	36	24	**45**	**40**	**47**	**42**	PN, V
R2049	Residential	NCA01	28	**39**	**46**	**41**	28	**46**	34	36	21	**41**	36	**43**	25	PN, V
R2050	Commercial	NCA01	34	64	65	61	47	69	41	43	28	46	56	63	31	-
R2051	Residential	NCA01	**39**	**73**	**70**	**70**	**49**	**70**	**49**	**50**	34	**51**	**64**	**71**	36	PN, V, SN, AA, RP, DR
R2052	Industrial	NCA04	44	44	40	37	23	40	33	35	25	44	38	44	41	-
R2053	Residential	NCA01	29	**40**	**47**	**43**	29	**47**	34	36	22	**41**	**37**	**44**	26	PN, V
R2054	Residential	NCA04	**44**	**41**	**40**	37	22	**39**	33	35	24	**44**	**39**	**47**	**41**	PN, V
R2055	Residential	NCA01	**40**	**78**	**78**	**76**	**59**	**78**	**47**	**49**	36	**50**	**70**	**77**	**37**	PN, V, SN, AA, RP, DR
R2056	Commercial	NCA01	32	49	55	51	37	55	39	40	27	43	46	53	29	-
R2057	Residential	NCA01	29	**39**	**47**	**44**	29	**48**	34	36	21	**40**	**37**	**44**	26	PN, V
R2058	Residential	NCA01	28	**42**	**48**	**45**	31	**49**	34	36	25	**40**	**39**	**46**	25	PN, V
R2059	Residential	NCA01	25	33	**39**	**37**	22	**41**	29	31	16	**37**	30	**37**	22	PN
R2060	Residential	NCA01	27	36	**43**	**39**	25	**43**	33	35	21	**39**	33	**40**	24	PN, V
R2061	Residential	NCA01	**41**	**76**	**72**	**73**	**51**	**72**	**52**	**54**	**39**	**52**	**66**	**72**	**38**	PN, V, SN, AA, RP, DR
R2062	Residential	NCA04	**47**	**52**	**45**	**42**	28	**45**	**39**	**41**	30	**50**	**50**	**56**	**44**	PN, V, SN, RP, DR
R2063	Residential	NCA04	**51**	**47**	**44**	**39**	25	**43**	37	**39**	27	**48**	**44**	**50**	**48**	PN, V
R2064	Residential	NCA01	36	**69**	**72**	**69**	**53**	**73**	**44**	**45**	30	**48**	**64**	**71**	33	PN, V, SN, AA, RP, DR
R2065	Residential	NCA01	29	**38**	**45**	**41**	28	**46**	35	36	23	**40**	35	**42**	26	PN, V
R2066	Residential	NCA01	24	34	**41**	**37**	23	**41**	30	32	17	36	31	**38**	21	PN
R2067	Residential	NCA04	**46**	**45**	**42**	**38**	25	**42**	35	37	26	**48**	**42**	**47**	**43**	PN, V
R2068	Residential	NCA04	**45**	**44**	37	34	20	36	31	33	19	**39**	37	**42**	**42**	PN, V
R2069	Commercial	NCA01	32	50	55	52	38	59	38	40	25	44	43	50	29	-
R2070	Residential	NCA01	**41**	**76**	**73**	**75**	**54**	**74**	**50**	**53**	**38**	**53**	**69**	**76**	**38**	PN, V, SN, AA, RP, DR
R2071	Residential	NCA04	**46**	**51**	**40**	36	23	**39**	33	35	25	**45**	**48**	**54**	**43**	PN, V, SN, RP, DR
R2072	Residential	NCA01	**38**	**71**	**69**	**70**	**50**	**70**	**47**	**49**	33	**50**	**64**	**71**	35	PN, V, SN, AA, RP, DR
R2073	Residential	NCA01	34	**68**	**72**	**68**	**54**	**72**	**42**	**43**	29	**46**	**63**	**70**	31	PN, V, SN, AA, RP, DR
R2074	Residential	NCA01	30	**44**	**50**	**46**	33	**51**	36	**38**	25	**42**	**40**	**48**	27	PN, V
R2075	Industrial	NCA04	48	60	50	48	32	50	45	47	35	70	60	67	45	-
R2076	Residential	NCA04	**48**	**44**	**41**	**38**	23	**41**	35	37	25	**47**	**42**	**47**	**45**	PN, V
R2077	Residential	NCA04	**41**	**38**	34	31	16	33	27	29	18	**39**	32	**39**	**38**	PN
R2078	Residential	NCA04	**50**	**47**	**43**	**39**	25	**43**	36	**38**	27	**47**	**45**	**48**	**47**	PN, V
R2079	Residential	NCA04	**50**	**46**	**42**	**38**	24	**41**	35	37	26	**46**	**43**	**48**	**47**	PN, V
R2080	Residential	NCA01	24	31	36	33	20	**37**	27	29	13	35	28	35	21	PN
R2081	Residential	NCA01	**39**	**77**	**75**	**75**	**55**	**76**	**48**	**50**	36	**51**	**70**	**77**	36	PN, V, SN, AA, RP, DR
R2082	Residential	NCA01	30	**43**	**50**	**46**	32	**50**	**37**	**39**	24	**42**	**40**	**47**	27	PN, V
R2083	Residential	NCA01	**40**	**77**	**72**	**72**	**51**	**72**	**48**	**50**	36	**49**	**66**	**73**	**37**	PN, V, SN, AA, RP, DR
R2084	Residential	NCA04	**46**	**44**	**40**	37	22	**39**	34	36	24	**45**	**40**	**46**	**43**	PN, V
R2085	Industrial	NCA04	58	64	51	49	34	50	48	49	38	73	63	70	55	-
R2086	Residential	NCA01	25	33	**39**	36	22	**40**	30	31	15	**37**	30	**37**	22	PN
R2087	Residential	NCA01	**38**	**76**	**77**	**75**	**60**	**78**	**46**	**48**	34	**50**	**69**	**76**	35	PN, V, SN, AA, RP, DR
R2088	Residential	NCA01	**41**	**76**	**77**	**75**	**60**	**78**	**49**	**51**	**37**	**50**	**69**	**76**	**38**	PN, V, SN, AA, RP, DR
R2089	Commercial	NCA01	31	49	55	51	37	55	38	40	28	43	45	52	28	-
R2090	Industrial	NCA04	43	59	44	42	28	44	38	40	29	67	58	65	40	-
R2091	Residential	NCA01	27	36	**43**	**39**	25	**43**	32	34	19	**39**	34	**40**	24	PN, V
R2092	Residential	NCA01	**37**	**78**	**72**	**74**	**52**	**73**	**45**	**48**	35	**48**	**67**	**74**	34	PN, V, SN, AA, RP, DR
R2093	Residential	NCA01	**39**	**77**	**73**	**74**	**53**	**73**	**44**	**47**	35	**49**	**68**	**75**	36	PN, V, SN, AA, RP, DR
R2094	Residential	NCA01	28	**40**	**46**	**42**	29	**47**	32	34	20	**40**	**37**	**44**	25	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2095	Residential	NCA04	**46**	**47**	**41**	37	23	**41**	34	36	25	**47**	**45**	**51**	**43**	PN, V
R2096	Residential	NCA01	28	**44**	**50**	**46**	32	**51**	34	36	24	**40**	**41**	**48**	25	PN, V
R2097	Residential	NCA01	29	**40**	**46**	**45**	28	**49**	34	36	24	**41**	36	**44**	26	PN, V
R2098	Residential	NCA01	29	**41**	**47**	**44**	30	**47**	34	36	23	**41**	**38**	**45**	26	PN, V
R2099	Commercial	NCA01	25	36	44	42	26	46	29	31	16	37	32	39	22	-
R2100	Residential	NCA04	**49**	**49**	**44**	**40**	26	**43**	37	**39**	28	**49**	**46**	**50**	**46**	PN, V
R2101	Commercial	NCA01	30	42	49	45	30	49	36	37	22	42	38	45	27	-
R2102	Industrial	NCA04	48	56	49	46	31	49	43	45	34	61	54	61	45	-
R2103	Commercial	NCA01	37	70	68	66	50	75	43	45	32	47	60	67	34	-
R2104	Commercial	NCA01	25	37	42	42	27	47	29	31	16	37	33	40	22	-
R2105	Residential	NCA04	**49**	**50**	**44**	**41**	27	**44**	**38**	**41**	30	**51**	**48**	**54**	**46**	PN, V, SN, RP, DR
R2106	Industrial	NCA04	66	65	57	54	39	57	50	52	41	73	64	71	63	-
R2107	Residential	NCA01	24	33	**40**	36	21	**40**	28	30	15	36	31	**38**	21	PN
R2108	Residential	NCA04	**49**	**50**	**41**	**39**	24	**41**	36	**38**	25	**48**	**47**	**54**	**46**	PN, V, SN, RP, DR
R2109	Residential	NCA02	**54**	**75**	**91**	**100**	**78**	**87**	**82**	**83**	**72**	**66**	**78**	**85**	**51**	PN, V, SN, AA, RP, DR
R2110	Residential	NCA01	**37**	**76**	**76**	**74**	**56**	**77**	**44**	**47**	33	**47**	**69**	**75**	34	PN, V, SN, AA, RP, DR
R2111	Residential	NCA04	**50**	**43**	**40**	37	23	**40**	34	36	24	**46**	**40**	**46**	**47**	PN, V
R2112	Residential	NCA01	32	**75**	**76**	**74**	**56**	**76**	**39**	**41**	25	**44**	**68**	**75**	29	PN, V, SN, AA, RP, DR
R2113	Residential	NCA04	**45**	**51**	**44**	**41**	27	**44**	**38**	**40**	29	**51**	**49**	**55**	**42**	PN, V, SN, RP, DR
R2114	Residential	NCA01	**37**	**76**	**75**	**74**	**56**	**76**	**44**	**47**	33	**46**	**68**	**75**	34	PN, V, SN, AA, RP, DR
R2115	Residential	NCA01	29	**43**	**50**	**46**	32	**50**	35	**37**	23	**41**	**40**	**46**	26	PN, V
R2116	Residential	NCA04	**48**	**51**	**45**	**42**	27	**44**	**39**	**41**	30	**51**	**49**	**55**	**45**	PN, V, SN, RP, DR
R2117	Residential	NCA01	27	**38**	**45**	**41**	27	**45**	32	34	20	**39**	35	**42**	24	PN, V
R2118	Residential	NCA01	**38**	**77**	**77**	**76**	**59**	**78**	**45**	**47**	33	**48**	**70**	**77**	35	PN, V, SN, AA, RP, DR
R2119	Commercial	NCA01	35	58	61	58	46	64	40	42	30	46	53	60	32	-
R2120	Residential	NCA04	**44**	**52**	**44**	**41**	27	**44**	**38**	**40**	29	**50**	**49**	**55**	**41**	PN, V, SN, RP, DR
R2121	Industrial	NCA04	52	59	50	47	32	50	45	47	35	69	59	66	49	-
R2122	Residential	NCA02	**52**	**72**	**89**	**92**	**76**	**86**	**78**	**81**	**70**	**62**	**76**	**83**	**49**	PN, V, SN, AA, RP, DR
R2123	Residential	NCA01	27	**37**	**43**	**39**	25	**43**	32	34	20	**39**	34	**41**	24	PN, V
R2124	Residential	NCA04	**41**	**38**	**38**	34	21	**38**	30	32	22	**39**	35	**41**	**38**	PN
R2125	Commercial	NCA01	38	77	78	76	60	78	45	47	34	50	70	77	35	-
R2126	Commercial	NCA01	30	45	52	49	34	53	35	37	22	42	42	49	27	-
R2127	Residential	NCA01	27	36	**42**	**39**	25	**43**	32	34	20	**39**	33	**41**	24	PN, V
R2128	Residential	NCA02	**51**	**72**	**88**	**91**	**75**	**86**	**77**	**80**	**69**	**59**	**75**	**82**	**48**	PN, V, SN, AA, RP, DR
R2129	Residential	NCA01	28	**43**	**49**	**46**	32	**49**	34	36	24	**40**	**39**	**47**	25	PN, V
R2130	Residential	NCA04	**45**	**49**	**40**	37	23	**40**	35	37	24	**46**	**44**	**47**	**42**	PN, V
R2131	Residential	NCA04	**45**	**44**	**41**	**38**	24	**41**	35	37	26	**46**	**42**	**48**	**42**	PN, V
R2132	Residential	NCA01	26	36	**43**	**39**	25	**43**	32	34	19	**38**	34	**40**	23	PN, V
R2133	Residential	NCA04	**42**	**42**	**40**	37	23	**40**	34	36	25	**45**	**40**	**45**	**39**	PN, V
R2134	Industrial	NCA04	52	61	45	41	28	45	37	39	29	68	59	66	49	-
R2135	Residential	NCA02	**51**	**70**	**88**	**91**	**75**	**85**	**74**	**77**	**66**	**61**	**75**	**82**	**48**	PN, V, SN, AA, RP, DR
R2136	Residential	NCA04	**41**	**42**	**38**	36	21	**38**	33	35	23	**44**	**39**	**45**	**38**	PN, V
R2137	Industrial	NCA04	47	58	49	46	32	48	43	45	34	62	56	63	44	-
R2138	Residential	NCA02	**47**	**72**	**88**	**92**	**75**	**86**	**72**	**74**	**64**	**59**	**75**	**82**	**44**	PN, V, SN, AA, RP, DR
R2139	Commercial	NCA01	32	53	57	54	39	57	38	39	24	43	48	55	29	-
R2140	Residential	NCA02	**48**	**73**	**88**	**91**	**74**	**86**	**68**	**70**	**60**	**60**	**75**	**82**	**45**	PN, V, SN, AA, RP, DR
R2141	Residential	NCA04	**38**	**39**	**41**	**38**	24	**41**	34	36	25	**46**	37	**44**	35	PN, V
R2142	Residential	NCA02	**54**	**69**	**80**	**79**	**64**	**79**	**73**	**74**	**63**	**66**	**69**	**76**	**51**	PN, V, SN, AA, RP, DR
R2143	Commercial	NCA01	30	41	47	44	30	48	36	38	22	42	38	45	27	-
R2144	Residential	NCA04	**48**	**46**	**42**	**39**	25	**42**	35	37	27	**47**	**43**	**50**	**45**	PN, V
R2145	Residential	NCA04	33	**44**	**41**	**38**	24	**41**	34	36	25	**46**	**43**	**49**	30	PN, V
R2146	Residential	NCA02	**47**	**73**	**88**	**90**	**74**	**86**	**66**	**68**	**58**	**59**	**75**	**82**	**44**	PN, V, SN, AA, RP, DR
R2147	Residential	NCA01	27	**40**	**46**	**42**	28	**46**	34	36	23	**40**	**37**	**44**	24	PN, V
R2148	Residential	NCA04	**47**	**40**	**39**	35	21	**39**	31	33	22	**43**	37	**42**	**44**	PN, V
R2149	Residential	NCA02	**49**	**73**	**89**	**91**	**75**	**86**	**65**	**67**	**56**	**59**	**75**	**82**	**46**	PN, V, SN, AA, RP, DR
R2150	Commercial	NCA01	34	56	60	57	43	62	39	42	29	45	51	58	31	-
R2151	Commercial	NCA01	31	46	52	49	34	53	37	39	25	43	42	49	28	-
R2152	Residential	NCA02	**47**	**74**	**89**	**91**	**75**	**86**	**64**	**66**	**55**	**58**	**75**	**82**	**44**	PN, V, SN, AA, RP, DR
R2153	Residential	NCA01	23	33	**39**	35	22	**40**	26	29	16	34	30	**37**	20	PN
R2154	Residential	NCA04	**47**	37	**42**	**39**	24	**42**	36	**38**	25	**45**	35	**43**	**44**	PN, V
R2155	Residential	NCA04	**47**	**41**	**41**	**38**	24	**41**	34	37	26	**46**	**38**	**46**	**44**	PN, V
R2156	Residential	NCA04	**38**	**51**	**45**	**42**	27	**44**	**38**	**40**	29	**52**	**48**	**55**	35	PN, V, SN, RP, DR
R2157	Industrial	NCA04	46	59	48	46	31	48	42	44	33	60	58	65	43	-
R2158	Residential	NCA02	**45**	**74**	**92**	**99**	**80**	**88**	**60**	**62**	**51**	**56**	**77**	**84**	**42**	PN, V, SN, AA, RP, DR
R2159	Residential	NCA02	**45**	**72**	**88**	**91**	**75**	**86**	**63**	**64**	**51**	**58**	**75**	**82**	**42**	PN, V, SN, AA, RP, DR
R2160	Residential	NCA04	**46**	**44**	**44**	**40**	26	**43**	37	**39**	28	**50**	**41**	**48**	**43**	PN, V
R2161	Residential	NCA02	**45**	**73**	**88**	**91**	**75**	**86**	**61**	**62**	**50**	**57**	**75**	**82**	**42**	PN, V, SN, AA, RP, DR
R2162	Residential	NCA01	27	**39**	**45**	**42**	27	**45**	33	35	20	**39**	36	**43**	24	PN, V
R2163	Residential	NCA01	28	**43**	**49**	**46**	31	**49**	34	36	22	**40**	**39**	**46**	25	PN, V
R2164	Residential	NCA04	**46**	**45**	**41**	**38**	24	**41**	34	37	26	**47**	**43**	**45**	**43**	PN, V
R2165	Commercial	NCA01	39	79	75	73	58	79	45	47	34	48	67	74	36	-
R2166	Residential	NCA02	**39**	**73**	**89**	**92**	**76**	**86**	**49**	**51**	**38**	**49**	**75**	**82**	**36**	PN, V, SN, AA, RP, DR
R2167	Commercial	NCA01	36	65	64	61	48	68	43	45	30	47	56	63	33	-
R2168	Residential	NCA01	28	36	**44**	**40**	26	**44**	32	34	18	**39**	34	**41**	25	PN, V
R2169	Residential	NCA04	36	**41**	37	33	21	37	29	32	22	**41**	**39**	**43**	33	PN, V
R2170	Industrial	NCA04	41	41	39	37	22	39	33	36	23	44	38	45	38	-
R2171	Residential	NCA04	**38**	**45**	**44**	**41**	27	**44**	37	**39**	28	**50**	**42**	**48**	35	PN, V
R2172	Residential	NCA02	**54**	**66**	**77**	**75**	**61**	**76**	**69**	**71**	**60**	**66**	**67**	**74**	**51**	PN, V, SN, AA, RP, DR
R2173	Industrial	NCA04	43	43	40	37	23	40	33	35	25	45	40	47	40	-
R2174	Residential	NCA01	26	34	**41**	**37**	23	**41**	30	33	17	**38**	31	**38**	23	PN
R2175	Residential	NCA02	**51**	**68**	**79**	**76**	**63**	**77**	**67**	**69**	**53**	**63**	**68**	**75**	**48**	PN, V, SN, AA, RP, DR
R2176	Residential	NCA02	**40**	**73**	**88**	**90**	**74**	**85**	**51**	**53**	**40**	**51**	**75**	**82**	**37**	PN, V, SN, AA, RP, DR
R2177	Residential	NCA04	**47**	**42**	**41**	**38**	24	**41**	35	37	25	**46**	**39**	**45**	**44**	PN, V
R2178	Residential	NCA02	**42**	**73**	**88**	**90**	**75**	**86**	**56**	**58**	**44**	**53**	**75**	**82**	**39**	PN, V, SN, AA, RP, DR
R2179	Residential	NCA01	28	**43**	**49**	**46**	32	**50**	34	36	25	**40**	**40**	**47**	25	PN, V
R2180	Residential	NCA01	28	**43**	**49**	**46**	32	**50**	34	36	23	**40**	**40**	**47**	25	PN, V
R2181	Residential	NCA02	**43**	**73**	**88**	**90**	**75**	**86**	**56**	**58**	**46**	**54**	**75**	**82**	**40**	PN, V, SN, AA, RP, DR
R2182	Residential	NCA04	**38**	**41**	**41**	**38**	24	**41**	34	36	25	**48**	**39**	**46**	35	PN, V
R2183	Industrial	NCA04	44	59	48	46	31	48	42	44	33	57	58	65	41	-
R2184	Residential	NCA02	**43**	**74**	**89**	**91**	**75**	**86**	**55**	**57**	**43**	**53**	**75**	**82**	**40**	PN, V, SN, AA, RP, DR
R2185	Residential	NCA02	**57**	**65**	**72**	**72**	**55**	**70**	**67**	**69**	**58**	**68**	**65**	**72**	**54**	PN, V, SN, AA, RP, DR
R2186	Commercial	NCA01	28	40	46	42	29	46	33	35	20	39	36	43	25	-
R2187	Residential	NCA04	**46**	**51**	**45**	**42**	28	**44**	**39**	**41**	29	**52**	**49**	**54**	**43**	PN, V, SN, RP, DR
R2188	Residential	NCA01	27	**43**	**49**	**45**	31	**49**	33	35	23	**38**	**39**	**46**	24	PN, V
R2189	Industrial	NCA04	46	55	49	47	32	49	43	45	33	62	53	59	43	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2190	Residential	NCA04	41	41	37	33	20	37	30	32	21	41	39	42	38	PN
R2191	Residential	NCA04	47	49	44	41	27	44	38	40	29	51	47	53	44	PN, V, SN, RP, DR
R2192	Residential	NCA02	40	72	87	88	73	85	48	50	33	49	74	81	37	PN, V, SN, AA, RP, DR
R2193	Residential	NCA04	37	47	39	35	22	39	31	33	23	48	44	50	34	PN, V
R2194	Residential	NCA02	42	73	87	88	73	85	54	56	43	53	74	81	39	PN, V, SN, AA, RP, DR
R2195	Industrial	NCA04	63	60	57	54	39	56	50	52	40	68	58	65	60	-
R2196	Residential	NCA02	44	70	81	80	65	80	48	50	38	51	70	77	41	PN, V, SN, AA, RP, DR
R2197	Residential	NCA01	26	34	41	37	24	41	30	32	17	37	31	38	23	PN
R2198	Residential	NCA02	44	69	81	80	66	79	49	51	39	54	69	76	41	PN, V, SN, AA, RP, DR
R2199	Residential	NCA01	27	43	48	45	31	49	33	35	23	39	39	46	24	PN, V
R2200	Residential	NCA02	45	69	79	77	63	78	54	56	45	57	68	75	42	PN, V, SN, AA, RP, DR
R2201	Residential	NCA02	41	73	88	89	74	85	53	55	43	53	75	82	38	PN, V, SN, AA, RP, DR
R2202	Commercial	NCA01	29	40	45	42	28	45	34	36	21	41	36	43	26	-
R2203	Residential	NCA02	54	65	75	72	59	74	67	68	58	66	65	71	51	PN, V, SN, AA, RP, DR
R2204	Residential	NCA01	27	38	46	42	28	46	33	35	21	39	36	43	24	PN, V
R2205	Residential	NCA02	51	65	76	72	59	76	65	67	57	61	66	73	48	PN, V, SN, AA, RP, DR
R2206	Residential	NCA04	37	43	42	39	25	42	35	37	27	48	42	45	34	PN, V
R2207	Residential	NCA01	25	34	40	37	22	40	30	32	15	36	32	38	22	PN
R2208	Residential	NCA02	41	73	88	89	74	85	53	55	41	54	75	82	38	PN, V, SN, AA, RP, DR
R2209	Residential	NCA04	38	46	35	31	18	35	27	29	19	40	43	47	35	PN, V
R2210	Residential	NCA04	45	37	39	35	22	39	30	32	22	43	35	42	42	PN, V
R2211	Residential	NCA01	26	34	42	38	24	42	31	33	17	38	32	39	23	PN, V
R2212	Residential	NCA02	40	72	88	90	75	86	52	52	40	51	75	82	37	PN, V, SN, AA, RP, DR
R2213	Industrial	NCA04	46	45	42	39	25	42	35	37	27	47	42	49	43	-
R2214	Residential	NCA04	36	43	42	38	25	42	35	36	25	47	40	48	33	PN, V
R2215	Commercial	NCA01	32	51	56	53	38	57	38	40	28	44	48	55	29	-
R2216	Industrial	NCA04	47	55	50	48	33	51	45	47	35	62	53	59	44	-
R2217	Commercial	NCA01	28	40	45	42	28	45	35	37	22	40	37	43	25	-
R2218	Residential	NCA02	51	66	75	72	59	74	66	68	58	63	65	72	48	PN, V, SN, AA, RP, DR
R2219	Residential	NCA04	45	53	45	42	28	45	38	40	29	53	51	55	42	PN, V, SN, RP, DR
R2220	Residential	NCA02	40	74	90	93	77	87	51	52	38	52	76	83	37	PN, V, SN, AA, RP, DR
R2221	Residential	NCA01	27	38	46	42	28	46	33	35	20	39	36	43	24	PN, V
R2222	Residential	NCA02	42	69	79	78	64	79	48	50	37	53	69	76	39	PN, V, SN, AA, RP, DR
R2223	Residential	NCA02	54	65	72	71	56	62	66	67	58	67	64	71	51	PN, V, SN, AA, RP, DR
R2224	Residential	NCA01	24	31	36	33	19	36	28	31	15	35	28	35	21	-
R2225	Residential	NCA02	42	67	79	75	59	78	49	50	39	54	68	75	39	PN, V, SN, AA, RP, DR
R2226	Residential	NCA02	42	70	79	76	62	78	49	51	39	51	68	75	39	PN, V, SN, AA, RP, DR
R2227	Active recreation	NCA01	29	39	46	43	29	46	33	36	19	40	36	43	26	-
R2228	Residential	NCA04	34	42	38	35	22	38	31	33	23	43	40	44	31	PN, V
R2229	Residential	NCA02	37	73	88	89	75	86	45	47	34	49	75	82	34	PN, V, SN, AA, RP, DR
R2230	Active recreation	NCA04	44	44	41	38	24	41	34	36	26	46	41	45	41	-
R2231	Residential	NCA02	54	66	74	71	57	73	66	68	57	65	64	71	51	PN, V, SN, AA, RP, DR
R2232	Active recreation	NCA04	39	41	40	37	22	40	33	35	24	45	38	45	36	-
R2233	Active recreation	NCA04	43	42	39	36	22	38	32	34	23	44	39	42	40	-
R2234	Residential	NCA01	24	33	42	39	24	42	27	30	16	35	31	38	21	PN, V
R2235	Industrial	NCA04	46	55	48	45	31	48	42	44	33	60	53	59	43	-
R2236	Residential	NCA02	43	68	80	77	63	78	52	54	42	53	69	76	40	PN, V, SN, AA, RP, DR
R2237	Residential	NCA02	39	73	88	89	74	86	49	51	38	51	75	82	36	PN, V, SN, AA, RP, DR
R2238	Residential	NCA02	46	66	76	72	56	76	59	61	50	57	66	73	43	PN, V, SN, AA, RP, DR
R2239	Residential	NCA02	39	73	89	91	75	86	50	52	36	51	75	82	36	PN, V, SN, AA, RP, DR
R2240	Residential	NCA01	27	37	45	41	27	45	32	33	19	38	34	41	24	PN, V
R2241	Residential	NCA02	51	65	74	71	58	74	65	68	57	60	64	71	48	PN, V, SN, AA, RP, DR
R2242	Residential	NCA01	24	33	43	39	24	43	28	31	16	35	30	37	21	PN, V
R2243	Residential	NCA02	52	64	74	71	58	74	65	68	57	64	64	71	49	PN, V, SN, AA, RP, DR
R2245	Residential	NCA01	28	43	48	45	31	49	34	36	24	40	39	46	25	PN, V
R2246	Residential	NCA02	41	68	79	77	63	78	50	52	39	53	68	75	38	PN, V, SN, AA, RP, DR
R2247	Residential	NCA02	40	74	89	90	75	86	49	51	37	51	75	82	37	PN, V, SN, AA, RP, DR
R2248	Residential	NCA01	23	33	40	37	22	40	28	30	15	35	30	36	20	PN
R2249	Residential	NCA02	50	66	75	72	58	75	61	63	52	60	65	72	47	PN, V, SN, AA, RP, DR
R2250	Place of worship	NCA01	29	44	50	46	32	50	35	37	24	41	40	47	26	-
R2251	Active recreation	NCA04	44	44	41	38	24	41	35	37	26	46	42	43	41	-
R2252	Residential	NCA01	22	31	42	38	24	42	26	28	14	35	28	35	19	PN, V
R2253	Residential	NCA02	44	64	74	72	55	72	51	52	40	55	63	70	41	PN, V, SN, AA, RP, DR
R2254	Residential	NCA02	38	73	90	94	78	87	47	49	35	50	76	83	35	PN, V, SN, AA, RP, DR
R2255	Residential	NCA02	37	73	88	89	74	85	49	51	34	49	74	81	34	PN, V, SN, AA, RP, DR
R2256	Residential	NCA02	50	64	73	70	56	72	63	65	54	61	63	71	47	PN, V, SN, AA, RP, DR
R2257	Residential	NCA01	27	38	46	42	28	46	32	35	19	39	35	42	24	PN, V
R2258	Residential	NCA02	42	68	77	74	58	77	49	51	39	54	67	74	39	PN, V, SN, AA, RP, DR
R2259	Residential	NCA04	46	45	42	39	25	42	35	37	27	47	41	49	43	PN, V
R2260	Residential	NCA01	26	34	42	38	24	42	31	33	17	36	31	38	23	PN, V
R2261	Residential	NCA02	43	65	74	70	54	73	59	61	49	55	63	70	40	PN, V, SN, AA, RP, DR
R2262	Residential	NCA02	38	73	90	93	77	87	47	49	35	49	76	83	35	PN, V, SN, AA, RP, DR
R2263	Industrial	NCA04	44	54	49	47	31	49	44	46	33	61	51	58	41	-
R2264	Residential	NCA02	45	69	78	75	62	78	52	54	42	58	68	75	42	PN, V, SN, AA, RP, DR
R2265	Residential	NCA01	27	42	48	44	30	48	33	35	23	39	38	45	24	PN, V
R2266	Residential	NCA01	25	36	44	41	26	44	31	33	18	37	35	41	22	PN, V
R2267	Residential	NCA02	44	67	74	71	57	75	52	54	44	56	67	74	41	PN, V, SN, AA, RP, DR
R2268	Residential	NCA04	46	49	45	41	27	44	38	40	29	50	47	53	43	PN, V, SN, RP, DR
R2269	Active recreation	NCA01	28	46	50	49	34	52	34	36	21	41	44	51	25	-
R2270	Commercial	NCA01	31	49	53	49	34	53	36	39	25	42	43	50	28	-
R2271	Residential	NCA02	35	73	89	90	75	86	43	45	34	47	75	82	32	PN, V, SN, AA, RP, DR
R2272	Residential	NCA02	44	63	72	68	52	72	60	62	47	57	62	69	41	PN, V, SN, AA, RP, DR
R2273	Residential	NCA01	25	36	45	41	27	45	31	33	18	37	36	42	22	PN, V
R2274	Residential	NCA02	43	64	72	69	53	72	58	60	48	55	63	70	40	PN, V, SN, AA, RP, DR
R2276	Residential	NCA01	24	32	38	35	22	38	28	30	14	35	28	36	21	PN
R2277	Residential	NCA02	38	74	89	91	75	86	47	49	37	50	76	83	35	PN, V, SN, AA, RP, DR
R2278	Residential	NCA01	26	35	45	41	26	45	31	33	18	36	35	42	23	PN, V
R2279	Residential	NCA02	44	65	74	70	57	73	55	57	45	55	63	70	41	PN, V, SN, AA, RP, DR
R2280	Residential	NCA02	44	63	71	68	55	70	56	58	45	56	61	68	41	PN, V, SN, AA, RP, DR
R2281	Residential	NCA02	39	66	77	76	61	76	40	43	31	50	66	73	36	PN, V, SN, AA, RP, DR
R2282	Residential	NCA01	23	32	39	35	22	39	28	30	16	35	29	36	20	PN
R2283	Residential	NCA02	45	65	73	70	56	73	57	59	47	57	64	69	42	PN, V, SN, AA, RP, DR
R2284	Residential	NCA02	36	69	81	79	66	79	41	43	31	46	69	76	33	PN, V, SN, AA, RP, DR
R2285	Residential	NCA02	45	66	74	71	55	74	55	56	46	57	64	70	42	PN, V, SN, AA, RP, DR
R2286	Industrial	NCA04	50	55	50	47	32	50	45	47	35	62	53	59	47	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2287	Residential	NCA04	43	48	44	41	26	43	37	39	28	49	46	50	40	PN, V
R2288	Residential	NCA02	36	70	82	81	65	80	44	46	35	47	70	77	33	PN, V, SN, AA, RP, DR
R2289	Residential	NCA02	40	73	88	90	74	86	48	50	38	52	75	82	37	PN, V, SN, AA, RP, DR
R2290	Industrial	NCA04	44	51	48	45	31	48	42	44	33	54	49	55	41	-
R2291	Residential	NCA02	45	65	74	70	55	74	55	57	46	58	65	72	42	PN, V, SN, AA, RP, DR
R2292	Residential	NCA01	27	41	46	43	29	46	33	35	23	39	38	44	24	PN, V
R2293	Commercial	NCA04	40	49	44	41	27	44	38	40	28	52	47	54	37	-
R2294	Residential	NCA02	36	74	88	91	74	86	46	48	34	48	75	82	33	PN, V, SN, AA, RP, DR
R2295	Residential	NCA02	37	68	79	77	60	78	44	46	36	48	68	75	34	PN, V, SN, AA, RP, DR
R2296	Residential	NCA02	40	63	71	68	53	71	49	51	38	52	63	70	37	PN, V, SN, AA, RP, DR
R2297	Residential	NCA02	41	67	76	73	60	75	50	52	41	53	65	72	38	PN, V, SN, AA, RP, DR
R2298	Residential	NCA01	27	42	47	43	30	48	33	35	23	40	38	45	24	PN, V
R2299	Residential	NCA02	53	60	69	66	52	69	62	64	53	65	60	67	50	PN, V, SN, AA, RP, DR
R2300	Residential	NCA02	41	65	75	73	59	74	50	52	39	53	64	71	38	PN, V, SN, AA, RP, DR
R2301	Industrial	NCA04	48	51	48	46	31	48	42	44	33	59	50	57	45	-
R2302	Residential	NCA04	40	48	44	40	26	43	36	38	28	50	45	50	37	PN, V
R2303	Residential	NCA01	25	39	45	41	27	45	30	32	20	36	36	43	22	PN, V
R2304	Residential	NCA02	37	68	77	74	59	77	48	50	33	49	67	74	34	PN, V, SN, AA, RP, DR
R2305	Residential	NCA02	37	68	79	77	63	78	44	46	36	48	68	75	34	PN, V, SN, AA, RP, DR
R2306	Residential	NCA02	37	68	78	76	62	77	45	47	36	49	68	75	34	PN, V, SN, AA, RP, DR
R2307	Residential	NCA02	38	70	80	78	65	79	47	49	37	50	70	77	35	PN, V, SN, AA, RP, DR
R2308	Residential	NCA02	52	60	70	67	54	71	63	65	55	62	62	69	49	PN, V, SN, AA, RP, DR
R2309	Commercial	NCA01	33	50	56	52	38	57	39	42	29	45	47	53	30	-
R2310	Residential	NCA01	25	39	46	42	29	47	31	33	21	37	37	44	22	PN, V
R2311	Residential	NCA02	33	72	85	85	70	83	38	40	29	43	73	80	30	PN, V, SN, AA, RP, DR
R2312	Residential	NCA02	53	59	64	64	47	63	60	61	49	64	58	65	50	PN, V, SN, AA, RP, DR
R2313	Residential	NCA02	36	65	76	73	60	75	42	44	32	47	65	72	33	PN, V, SN, AA, RP, DR
R2315	Active recreation	NCA01	29	43	46	44	29	46	34	36	20	40	38	45	26	-
R2316	Residential	NCA02	52	61	70	67	54	70	61	64	54	61	60	67	49	PN, V, SN, AA, RP, DR
R2317	Residential	NCA02	53	62	70	68	53	70	61	64	53	61	60	67	50	PN, V, SN, AA, RP, DR
R2318	Commercial	NCA02	33	71	69	67	51	84	41	43	30	46	61	68	30	-
R2319	Residential	NCA02	35	72	82	79	65	85	44	46	33	48	70	77	32	PN, V, SN, AA, RP, DR
R2320	Residential	NCA01	25	39	46	42	28	46	30	32	21	37	35	42	22	PN, V
R2321	Residential	NCA02	50	59	66	63	49	67	59	61	51	57	59	65	47	PN, V, SN, AA, RP, DR
R2322	Residential	NCA02	48	61	68	65	49	68	57	59	49	54	60	67	45	PN, V, SN, AA, RP, DR
R2323	Residential	NCA01	26	40	46	42	28	46	30	32	16	36	37	43	23	PN, V
R2324	Active recreation	NCA04	40	54	46	44	29	46	40	42	31	56	54	61	37	-
R2325	Residential	NCA02	34	65	74	71	57	73	43	45	31	46	63	71	31	PN, V, SN, AA, RP, DR
R2326	Industrial	NCA04	45	53	50	47	32	49	43	45	34	58	51	57	42	-
R2327	Residential	NCA02	38	66	75	72	59	75	47	49	36	50	65	72	35	PN, V, SN, AA, RP, DR
R2328	Residential	NCA02	48	62	70	66	51	69	60	61	50	58	60	67	45	PN, V, SN, AA, RP, DR
R2329	Commercial	NCA02	36	68	70	66	50	77	43	45	33	48	60	67	33	-
R2330	Residential	NCA02	36	66	75	72	58	74	45	47	33	48	65	72	33	PN, V, SN, AA, RP, DR
R2331	Residential	NCA02	48	62	70	66	50	69	58	60	49	60	60	66	45	PN, V, SN, AA, RP, DR
R2332	Residential	NCA02	38	67	76	72	60	75	46	48	37	49	66	73	35	PN, V, SN, AA, RP, DR
R2333	Residential	NCA02	36	65	73	70	56	72	42	44	30	47	63	70	33	PN, V, SN, AA, RP, DR
R2334	Commercial	NCA04	40	49	44	41	27	44	37	39	29	52	46	53	37	-
R2335	Residential	NCA02	48	62	70	66	49	69	57	59	47	59	60	66	45	PN, V, SN, AA, RP, DR
R2336	Residential	NCA02	48	60	68	64	50	68	60	62	51	58	59	66	45	PN, V, SN, AA, RP, DR
R2337	Residential	NCA02	39	69	78	76	61	77	45	47	36	49	68	75	36	PN, V, SN, AA, RP, DR
R2338	Residential	NCA02	37	66	75	73	57	75	44	46	36	48	65	72	34	PN, V, SN, AA, RP, DR
R2339	Residential	NCA02	39	66	76	72	59	75	48	50	38	51	66	73	36	PN, V, SN, AA, RP, DR
R2340	Commercial	NCA02	33	60	60	59	43	69	39	40	29	43	51	58	30	-
R2341	Residential	NCA02	45	61	66	63	50	66	55	57	41	56	59	65	42	PN, V, SN, AA, RP, DR
R2342	Residential	NCA02	33	66	77	75	60	76	37	40	27	38	65	72	30	PN, V, SN, AA, RP, DR
R2343	Residential	NCA02	46	59	67	64	50	67	56	58	44	57	58	64	43	PN, V, SN, AA, RP, DR
R2344	Active recreation	NCA01	30	46	52	49	35	54	37	39	28	42	43	50	27	-
R2345	Residential	NCA01	25	38	43	38	25	43	30	32	17	36	33	40	22	PN, V
R2346	Residential	NCA01	26	36	41	37	24	41	31	33	18	38	33	40	23	PN
R2347	Commercial	NCA02	34	67	67	64	50	75	41	43	32	47	58	65	31	-
R2348	Residential	NCA02	37	66	75	71	59	74	46	48	36	49	64	71	34	PN, V, SN, AA, RP, DR
R2349	Residential	NCA02	44	60	67	63	50	67	52	54	40	55	58	64	41	PN, V, SN, AA, RP, DR
R2350	Residential	NCA02	39	66	75	72	58	74	47	49	38	51	65	72	36	PN, V, SN, AA, RP, DR
R2351	Residential	NCA04	46	47	43	40	26	43	36	38	28	49	44	48	43	PN, V
R2352	Commercial	NCA02	32	57	62	58	41	65	39	41	29	44	49	56	29	-
R2353	Residential	NCA02	38	66	74	71	58	73	45	47	36	50	64	71	35	PN, V, SN, AA, RP, DR
R2354	Residential	NCA02	42	62	69	65	49	69	51	53	39	52	60	67	39	PN, V, SN, AA, RP, DR
R2355	Residential	NCA01	25	39	43	39	25	43	31	33	18	37	33	41	22	PN, V
R2356	Residential	NCA02	44	60	67	63	49	67	53	55	42	55	58	65	41	PN, V, SN, AA, RP, DR
R2357	Residential	NCA01	24	38	41	38	24	42	30	32	16	36	32	39	21	PN, V
R2358	Residential	NCA02	44	59	65	62	47	65	56	59	47	56	58	65	41	PN, V, SN, AA, RP, DR
R2359	Residential	NCA02	47	56	62	58	44	62	55	57	45	57	54	61	44	PN, V, SN, AA, RP, DR
R2360	Residential	NCA02	48	57	64	61	47	64	57	59	47	58	56	62	45	PN, V, SN, AA, RP, DR
R2361	Residential	NCA02	42	61	69	66	53	69	50	53	39	53	60	67	39	PN, V, SN, AA, RP, DR
R2362	Residential	NCA02	42	59	65	62	46	65	51	53	39	54	57	64	39	PN, V, SN, AA, RP, DR
R2363	Residential	NCA02	30	65	73	70	56	73	39	41	28	42	64	71	27	PN, V, SN, AA, RP, DR
R2364	Residential	NCA02	39	60	66	62	49	66	49	52	39	49	56	61	36	PN, V, SN, AA, RP, DR
R2365	Residential	NCA01	24	39	45	41	28	46	30	32	21	36	35	42	21	PN, V
R2366	Industrial	NCA04	48	54	49	46	32	49	43	45	33	59	52	59	45	-
R2367	Commercial	NCA02	34	60	60	57	42	69	40	42	31	46	51	58	31	-
R2368	Place of worship	NCA02	32	55	55	54	35	62	38	40	29	44	46	53	29	-
R2369	Residential	NCA01	24	38	43	40	26	43	30	32	19	36	35	41	21	PN, V
R2370	Commercial	NCA02	29	52	49	47	31	53	35	37	24	41	40	47	26	-
R2371	Residential	NCA02	46	60	66	62	47	66	54	56	45	57	58	65	43	PN, V, SN, AA, RP, DR
R2372	Residential	NCA02	35	62	68	65	49	69	42	44	33	45	59	66	32	PN, V, SN, AA, RP, DR
R2373	Residential	NCA01	25	38	44	41	27	44	30	32	20	36	35	43	22	PN, V
R2374	Residential	NCA04	41	37	41	38	25	41	34	36	26	42	35	40	38	PN
R2375	Residential	NCA02	36	62	70	68	52	70	44	46	35	48	60	67	33	PN, V, SN, AA, RP, DR
R2376	Commercial	NCA04	37	49	44	41	27	44	37	39	29	52	45	49	34	-
R2377	Residential	NCA01	26	39	46	41	27	46	31	33	20	37	36	43	23	PN, V
R2378	Residential	NCA02	37	67	77	74	60	76	43	46	34	48	66	73	34	PN, V, SN, AA, RP, DR
R2379	Residential	NCA01	26	38	42	39	25	43	32	34	19	39	34	40	23	PN, V
R2380	Residential	NCA02	44	59	64	61	46	64	54	56	44	55	57	64	41	PN, V, SN, AA, RP, DR
R2381	Residential	NCA02	43	60	67	65	50	67	51	54	42	54	58	65	40	PN, V, SN, AA, RP, DR
R2382	Residential	NCA02	38	67	75	72	57	74	45	47	36	50	65	72	35	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2383	Residential	NCA02	41	61	70	65	53	70	49	51	38	53	60	66	38	PN, V, SN, AA, RP, DR
R2384	Residential	NCA02	39	59	65	62	48	65	48	50	40	50	56	64	36	PN, V, SN, AA, RP, DR
R2385	Residential	NCA02	40	61	69	65	52	69	47	49	37	52	60	67	37	PN, V, SN, AA, RP, DR
R2386	Residential	NCA02	28	47	46	42	29	51	31	33	22	37	37	44	25	PN, V
R2387	Residential	NCA02	40	60	67	65	49	67	48	49	37	52	59	66	37	PN, V, SN, AA, RP, DR
R2388	Residential	NCA02	30	50	49	45	32	56	32	34	24	40	37	44	27	PN, V, SN, RP, DR
R2389	Residential	NCA02	51	57	63	60	46	63	56	58	47	62	55	61	48	PN, V, SN, AA, RP, DR
R2390	Residential	NCA02	38	57	64	59	45	63	45	47	34	50	55	61	35	PN, V, SN, AA, RP, DR
R2391	Residential	NCA02	32	51	53	51	35	55	38	40	28	43	44	51	29	PN, V, SN, RP, DR
R2392	Residential	NCA02	49	58	65	61	47	65	57	59	47	60	56	63	46	PN, V, SN, AA, RP, DR
R2393	Residential	NCA02	44	60	68	64	48	68	53	55	42	56	58	65	41	PN, V, SN, AA, RP, DR
R2394	Residential	NCA02	36	65	75	72	58	73	44	46	34	48	64	71	33	PN, V, SN, AA, RP, DR
R2395	Residential	NCA02	37	62	69	65	50	69	45	46	33	48	60	67	34	PN, V, SN, AA, RP, DR
R2396	Active recreation	NCA04	40	49	45	43	28	45	39	41	30	52	47	52	37	-
R2397	Commercial	NCA02	28	42	46	43	29	49	35	37	24	40	37	44	25	-
R2398	Residential	NCA02	50	57	64	60	45	63	55	57	46	61	55	61	47	PN, V, SN, AA, RP, DR
R2399	Residential	NCA02	41	57	63	59	44	63	48	51	37	53	54	59	38	PN, V, SN, AA, RP, DR
R2400	Industrial	NCA04	47	51	49	46	32	49	43	45	34	58	49	56	44	-
R2401	Residential	NCA02	31	50	49	48	31	52	36	38	27	42	40	47	28	PN, V, SN, RP, DR
R2402	Residential	NCA02	37	64	71	69	54	72	44	46	35	49	61	68	34	PN, V, SN, AA, RP, DR
R2403	Residential	NCA01	27	41	47	43	29	48	33	35	23	39	37	44	24	PN, V
R2404	Residential	NCA02	39	62	70	66	49	69	46	48	36	51	60	66	36	PN, V, SN, AA, RP, DR
R2405	Residential	NCA02	39	61	68	64	50	68	47	48	36	51	58	65	36	PN, V, SN, AA, RP, DR
R2406	Residential	NCA02	43	57	64	61	47	64	48	50	39	55	55	62	40	PN, V, SN, AA, RP, DR
R2407	Residential	NCA02	46	57	63	60	46	63	54	56	44	56	55	62	43	PN, V, SN, AA, RP, DR
R2408	Residential	NCA02	31	51	55	51	37	56	37	40	28	43	46	53	28	PN, V, SN, RP, DR
R2409	Residential	NCA02	38	61	67	64	49	67	44	46	34	49	59	66	35	PN, V, SN, AA, RP, DR
R2410	Residential	NCA01	26	40	44	41	27	44	32	34	22	38	35	42	23	PN, V
R2411	Residential	NCA02	40	63	70	67	52	70	46	48	37	51	61	68	37	PN, V, SN, AA, RP, DR
R2412	Residential	NCA02	42	58	66	61	46	66	51	52	38	53	56	62	39	PN, V, SN, AA, RP, DR
R2413	Residential	NCA02	41	57	63	59	45	63	49	51	38	51	54	61	38	PN, V, SN, AA, RP, DR
R2414	Residential	NCA02	36	62	69	67	52	69	44	46	33	48	59	66	33	PN, V, SN, AA, RP, DR
R2415	Industrial	NCA04	49	53	49	47	32	49	44	46	35	59	49	57	46	-
R2416	Residential	NCA02	39	63	70	67	52	69	46	48	36	50	60	67	36	PN, V, SN, AA, RP, DR
R2417	Residential	NCA02	37	64	72	69	54	71	43	45	33	48	62	69	34	PN, V, SN, AA, RP, DR
R2418	Residential	NCA02	42	59	66	63	50	66	51	53	41	54	57	64	39	PN, V, SN, AA, RP, DR
R2419	Residential	NCA02	27	44	44	41	26	45	30	32	21	38	35	42	24	PN, V
R2420	Residential	NCA01	27	38	44	42	26	45	33	35	21	39	35	42	24	PN, V
R2421	Residential	NCA02	37	62	68	64	50	69	44	47	34	48	59	66	34	PN, V, SN, AA, RP, DR
R2422	Residential	NCA02	34	63	70	66	50	71	40	42	29	45	58	65	31	PN, V, SN, AA, RP, DR
R2423	Active recreation	NCA04	54	55	54	54	37	54	51	54	42	62	53	60	51	-
R2424	Residential	NCA01	28	41	46	44	30	48	34	36	23	40	38	45	25	PN, V
R2425	Residential	NCA02	39	61	68	64	50	68	47	49	37	50	59	65	36	PN, V, SN, AA, RP, DR
R2426	Residential	NCA02	41	55	61	57	44	61	47	48	35	51	52	59	38	PN, V, SN, AA, RP, DR
R2427	Residential	NCA02	38	56	61	58	44	61	46	48	37	48	53	60	35	PN, V, SN, AA, RP, DR
R2428	Residential	NCA02	41	59	67	63	49	66	46	48	36	53	58	65	38	PN, V, SN, AA, RP, DR
R2429	Residential	NCA02	45	56	62	59	44	64	54	56	44	57	54	60	42	PN, V, SN, AA, RP, DR
R2430	Residential	NCA02	37	61	69	66	50	69	45	47	35	49	59	66	34	PN, V, SN, AA, RP, DR
R2431	Commercial	NCA02	33	54	53	52	35	60	40	42	31	45	45	52	30	-
R2432	Residential	NCA02	36	61	68	65	52	68	44	46	33	48	59	66	33	PN, V, SN, AA, RP, DR
R2433	Residential	NCA04	42	41	42	39	25	42	35	37	26	45	38	43	39	PN, V
R2434	Residential	NCA04	38	45	43	40	25	42	36	38	27	51	43	48	35	PN, V
R2435	Residential	NCA04	42	45	43	40	26	43	36	38	28	49	43	47	39	PN, V
R2436	Residential	NCA02	33	49	55	51	38	61	39	41	28	44	46	53	30	PN, V, SN, AA, RP, DR
R2437	Residential	NCA02	36	63	71	68	53	70	43	45	32	47	61	68	33	PN, V, SN, AA, RP, DR
R2438	Residential	NCA02	27	43	47	45	28	49	31	32	22	38	40	47	24	PN, V
R2439	Residential	NCA02	30	44	47	44	30	49	34	36	24	39	39	46	27	PN, V
R2440	Residential	NCA02	37	62	67	66	52	71	44	46	34	48	57	64	34	PN, V, SN, AA, RP, DR
R2441	Residential	NCA01	24	32	38	37	21	39	29	31	16	36	30	37	21	PN
R2442	Residential	NCA02	36	57	63	59	45	63	41	43	31	48	54	61	33	PN, V, SN, AA, RP, DR
R2443	Residential	NCA02	37	56	63	59	45	62	44	46	32	49	53	60	34	PN, V, SN, AA, RP, DR
R2444	Residential	NCA02	42	59	66	62	49	66	51	53	40	53	57	64	39	PN, V, SN, AA, RP, DR
R2445	Residential	NCA01	28	42	49	45	31	49	34	36	25	40	39	46	25	PN, V
R2446	Residential	NCA01	28	41	46	44	30	46	34	36	20	40	38	45	25	PN, V
R2447	Residential	NCA02	38	56	63	59	46	63	49	51	37	47	53	60	35	PN, V, SN, AA, RP, DR
R2448	Residential	NCA02	40	57	65	61	48	64	49	51	38	52	55	62	37	PN, V, SN, AA, RP, DR
R2449	Residential	NCA02	40	55	61	57	43	61	50	52	39	50	52	59	37	PN, V, SN, RP, DR
R2450	Residential	NCA02	39	57	62	59	43	62	48	50	35	50	55	61	36	PN, V, SN, AA, RP, DR
R2451	Residential	NCA02	35	62	60	57	42	70	42	44	33	46	51	58	32	PN, V, SN, AA, RP, DR
R2452	Residential	NCA02	41	54	61	57	41	61	48	50	38	53	52	59	38	PN, V, SN, AA, RP, DR
R2453	Residential	NCA02	38	57	63	60	45	63	44	46	34	49	55	62	35	PN, V, SN, AA, RP, DR
R2454	Residential	NCA02	49	55	61	58	42	61	50	53	41	58	52	60	46	PN, V, SN, AA, RP, DR
R2455	Residential	NCA02	31	59	66	62	45	66	37	38	27	42	56	63	28	PN, V, SN, AA, RP, DR
R2456	Residential	NCA04	37	37	40	38	23	40	34	35	24	41	34	40	34	PN
R2457	Residential	NCA02	44	58	63	61	45	64	53	54	43	54	55	62	41	PN, V, SN, AA, RP, DR
R2458	Residential	NCA02	32	57	64	61	44	63	35	37	25	43	54	61	29	PN, V, SN, AA, RP, DR
R2459	Active recreation	NCA04	40	49	45	42	28	45	39	41	30	54	46	51	37	-
R2460	Residential	NCA02	36	58	64	60	47	64	41	43	31	48	55	63	33	PN, V, SN, AA, RP, DR
R2461	Residential	NCA02	37	63	71	68	54	71	44	46	34	49	61	68	34	PN, V, SN, AA, RP, DR
R2462	Residential	NCA01	27	41	47	43	29	49	33	35	24	39	38	45	24	PN, V
R2463	Residential	NCA02	37	61	70	66	50	69	46	48	35	49	59	66	34	PN, V, SN, AA, RP, DR
R2464	Residential	NCA02	41	56	65	61	48	63	51	53	40	53	54	61	38	PN, V, SN, AA, RP, DR
R2465	Residential	NCA02	44	58	65	62	48	65	52	55	43	55	56	61	41	PN, V, SN, AA, RP, DR
R2466	Commercial	NCA02	34	57	54	56	37	65	40	42	29	46	51	58	31	-
R2467	Residential	NCA04	40	41	42	39	25	42	35	37	26	46	38	44	37	PN, V
R2468	Residential	NCA02	44	55	60	58	41	60	52	54	42	54	53	58	41	PN, V, SN, RP, DR
R2469	Residential	NCA01	28	40	47	44	29	46	33	35	22	39	36	43	25	PN, V
R2470	Residential	NCA02	44	56	62	58	45	62	49	51	38	55	53	60	41	PN, V, SN, AA, RP, DR
R2471	Residential	NCA02	36	62	68	65	50	70	44	47	34	48	56	63	33	PN, V, SN, AA, RP, DR
R2472	Residential	NCA02	30	46	50	46	31	53	36	38	25	41	41	48	27	PN, V, SN, RP, DR
R2473	Residential	NCA02	49	55	55	55	38	56	53	55	45	60	52	59	46	PN, V, SN, RP, DR
R2474	Residential	NCA01	28	42	49	45	30	47	34	36	24	40	37	44	25	PN, V
R2475	Residential	NCA02	36	58	64	61	45	64	38	39	28	46	55	62	33	PN, V, SN, AA, RP, DR
R2476	Residential	NCA02	41	56	64	61	47	63	49	51	37	52	54	61	38	PN, V, SN, AA, RP, DR
R2477	Residential	NCA02	37	60	66	62	48	65	44	46	34	49	57	64	34	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2478	Residential	NCA02	35	59	54	53	37	63	41	43	31	46	48	55	32	PN, V, SN, AA, RP, DR
R2479	Residential	NCA02	38	55	62	58	43	60	48	50	34	48	53	59	35	PN, V, SN, AA, RP, DR
R2480	Residential	NCA02	27	37	41	38	24	43	27	29	19	34	32	39	24	PN, V
R2481	Residential	NCA01	27	41	46	43	28	46	33	35	22	39	36	43	24	PN, V
R2482	Residential	NCA02	36	61	69	66	50	69	44	46	34	48	59	66	33	PN, V, SN, AA, RP, DR
R2483	Residential	NCA01	26	40	47	43	28	46	32	34	22	38	35	43	23	PN, V
R2484	Residential	NCA02	38	59	66	63	47	66	45	46	34	50	57	63	35	PN, V, SN, AA, RP, DR
R2485	Residential	NCA02	37	61	69	66	51	68	44	46	34	48	59	66	34	PN, V, SN, AA, RP, DR
R2486	Residential	NCA02	49	54	59	56	40	59	49	53	43	61	52	59	46	PN, V, SN, AA, RP, DR
R2487	Residential	NCA01	28	44	48	46	31	50	34	36	26	40	40	47	25	PN, V
R2488	Residential	NCA02	36	57	57	53	38	62	42	43	33	47	48	55	33	PN, V, SN, AA, RP, DR
R2489	Residential	NCA02	27	38	40	37	23	44	25	27	18	33	31	38	24	PN, V
R2490	Residential	NCA02	37	56	63	59	45	63	46	48	34	49	54	61	34	PN, V, SN, AA, RP, DR
R2491	Residential	NCA02	36	60	68	64	49	67	44	46	35	48	58	63	33	PN, V, SN, AA, RP, DR
R2492	Residential	NCA02	34	59	53	49	35	66	41	43	31	46	44	51	31	PN, V, SN, AA, RP, DR
R2493	Residential	NCA01	19	28	33	32	17	34	22	24	12	30	24	31	16	-
R2494	Residential	NCA02	41	56	62	58	42	62	50	52	41	53	53	60	38	PN, V, SN, AA, RP, DR
R2495	Residential	NCA02	42	56	63	60	46	63	50	52	39	54	54	61	39	PN, V, SN, AA, RP, DR
R2496	Residential	NCA02	37	55	62	58	41	62	50	51	39	48	53	60	34	PN, V, SN, AA, RP, DR
R2497	Residential	NCA02	31	46	50	47	32	51	37	40	28	43	41	48	28	PN, V, SN, RP, DR
R2498	Residential	NCA02	30	43	46	43	28	48	35	37	26	42	37	45	27	PN, V
R2499	Residential	NCA02	32	49	51	50	33	55	39	41	29	44	43	50	29	PN, V, SN, RP, DR
R2500	Residential	NCA02	40	56	63	60	46	63	49	50	37	52	54	61	37	PN, V, SN, AA, RP, DR
R2501	Residential	NCA02	29	38	43	40	26	45	35	37	26	41	35	41	26	PN, V
R2502	Residential	NCA01	24	37	42	39	23	44	28	31	18	35	33	39	21	PN, V
R2503	Residential	NCA02	33	54	57	53	39	60	40	42	29	45	48	55	30	PN, V, SN, RP, DR
R2504	Residential	NCA04	35	41	42	39	25	42	35	37	27	47	38	44	32	PN, V
R2505	Residential	NCA02	40	54	59	56	40	59	49	51	37	50	51	57	37	PN, V, SN, RP, DR
R2506	Residential	NCA02	37	59	66	63	48	66	45	47	35	47	56	63	34	PN, V, SN, AA, RP, DR
R2507	Residential	NCA02	36	59	66	63	46	66	42	44	32	48	57	64	33	PN, V, SN, AA, RP, DR
R2508	Residential	NCA02	41	56	63	59	46	63	50	51	39	52	53	60	38	PN, V, SN, AA, RP, DR
R2509	Residential	NCA02	46	53	59	56	39	59	50	52	41	58	50	56	43	PN, V, SN, RP, DR
R2510	Active recreation	NCA04	38	47	43	41	26	43	37	39	28	52	45	50	35	-
R2511	Residential	NCA02	28	46	49	46	32	51	35	38	27	41	41	48	25	PN, V, SN, RP, DR
R2512	Residential	NCA02	49	54	58	55	39	58	52	55	44	60	52	59	46	PN, V, SN, RP, DR
R2513	Residential	NCA02	36	60	67	63	48	67	42	45	32	48	56	63	33	PN, V, SN, AA, RP, DR
R2514	Residential	NCA02	32	52	56	52	37	57	38	41	29	44	47	54	29	PN, V, SN, RP, DR
R2515	Residential	NCA02	27	37	42	39	25	43	32	34	24	39	34	41	24	PN, V
R2516	Residential	NCA02	36	55	62	58	45	61	43	45	33	48	52	59	33	PN, V, SN, AA, RP, DR
R2517	Residential	NCA01	27	40	44	43	27	48	33	35	25	39	36	42	24	PN, V
R2518	Residential	NCA01	24	36	41	39	23	44	28	30	19	34	32	39	21	PN, V
R2519	Residential	NCA02	39	57	64	61	47	64	44	46	32	51	55	61	36	PN, V, SN, AA, RP, DR
R2520	Residential	NCA02	27	34	41	37	23	40	32	34	24	39	32	39	24	PN, V
R2521	Residential	NCA02	33	56	62	59	42	62	39	41	29	45	53	61	30	PN, V, SN, AA, RP, DR
R2522	Residential	NCA02	37	60	66	63	47	66	44	46	34	47	57	64	34	PN, V, SN, AA, RP, DR
R2523	Residential	NCA02	38	55	61	58	44	61	45	48	34	50	52	59	35	PN, V, SN, AA, RP, DR
R2524	Residential	NCA02	38	56	62	59	44	62	45	47	34	50	53	60	35	PN, V, SN, AA, RP, DR
R2525	Residential	NCA02	35	52	57	52	37	56	42	44	31	46	47	54	32	PN, V, SN, RP, DR
R2526	Residential	NCA02	44	53	60	56	40	60	51	53	42	55	51	57	41	PN, V, SN, RP, DR
R2527	Residential	NCA01	27	41	47	43	29	47	33	35	25	39	38	45	24	PN, V
R2528	Residential	NCA02	43	52	59	53	40	59	50	52	39	54	49	56	40	PN, V, SN, RP, DR
R2529	Residential	NCA02	40	58	63	59	45	63	48	50	38	52	55	61	37	PN, V, SN, AA, RP, DR
R2530	Residential	NCA02	36	56	61	57	42	61	44	46	34	48	52	59	33	PN, V, SN, AA, RP, DR
R2531	Residential	NCA02	31	49	54	51	37	55	37	39	28	42	46	53	28	PN, V, SN, RP, DR
R2532	Residential	NCA02	28	39	44	41	26	44	32	34	23	39	36	43	25	PN, V
R2533	Residential	NCA02	44	52	55	51	37	55	47	49	38	54	49	53	41	PN, V, SN, RP, DR
R2534	Residential	NCA02	32	52	51	49	32	57	37	39	27	44	42	50	29	PN, V, SN, RP, DR
R2535	Residential	NCA02	38	58	63	61	44	64	45	48	36	50	56	63	35	PN, V, SN, AA, RP, DR
R2536	Residential	NCA02	45	54	61	57	43	61	51	53	42	55	51	58	42	PN, V, SN, AA, RP, DR
R2537	Residential	NCA02	33	54	57	54	37	61	39	41	30	45	49	55	30	PN, V, SN, AA, RP, DR
R2538	Residential	NCA02	38	58	65	61	45	65	43	45	34	49	56	61	35	PN, V, SN, AA, RP, DR
R2539	Residential	NCA01	26	38	40	41	24	46	31	33	22	38	32	39	23	PN, V
R2540	Residential	NCA02	48	53	59	55	40	59	51	53	42	59	50	57	45	PN, V, SN, RP, DR
R2541	Residential	NCA02	44	54	59	56	41	59	50	53	39	54	50	57	41	PN, V, SN, RP, DR
R2542	Residential	NCA02	39	58	64	60	46	64	46	48	36	51	55	60	36	PN, V, SN, AA, RP, DR
R2543	Residential	NCA02	49	54	57	55	39	57	52	54	44	60	52	58	46	PN, V, SN, RP, DR
R2544	Residential	NCA02	42	54	59	55	41	59	51	53	41	53	50	57	39	PN, V, SN, RP, DR
R2545	Residential	NCA02	36	57	61	58	43	61	44	46	34	48	53	60	33	PN, V, SN, AA, RP, DR
R2546	Residential	NCA02	29	38	43	40	27	43	35	37	27	41	35	42	26	PN, V
R2547	Active recreation	NCA01	29	43	49	45	31	51	35	37	27	41	39	46	26	-
R2548	Residential	NCA02	34	57	63	59	45	62	38	40	29	46	53	60	31	PN, V, SN, AA, RP, DR
R2549	Active recreation	NCA04	39	47	44	41	26	44	37	39	29	52	44	49	36	-
R2550	Residential	NCA02	37	56	61	57	43	60	45	47	35	49	53	60	34	PN, V, SN, RP, DR
R2551	Residential	NCA02	34	49	48	48	31	55	39	42	30	46	42	49	31	PN, V, SN, RP, DR
R2552	Residential	NCA02	36	56	62	58	44	61	43	45	33	48	52	59	33	PN, V, SN, AA, RP, DR
R2553	Residential	NCA02	41	53	59	56	40	60	46	48	35	52	51	58	38	PN, V, SN, RP, DR
R2554	Residential	NCA02	29	40	43	40	26	45	33	35	23	40	34	41	26	PN, V
R2555	Residential	NCA02	36	56	62	59	43	62	41	43	32	48	53	60	33	PN, V, SN, AA, RP, DR
R2556	Industrial	NCA04	46	50	53	51	34	53	47	49	38	57	48	55	43	-
R2557	Residential	NCA02	32	55	61	58	43	61	43	45	33	44	52	59	29	PN, V, SN, AA, RP, DR
R2558	Residential	NCA02	30	44	50	47	31	51	36	38	28	42	42	48	27	PN, V, SN, RP, DR
R2559	Residential	NCA01	27	42	46	42	29	47	33	35	23	39	37	44	24	PN, V
R2560	Residential	NCA02	32	51	51	48	31	57	38	40	28	44	42	49	29	PN, V, SN, RP, DR
R2561	Residential	NCA02	35	54	61	55	42	60	43	45	32	47	50	56	32	PN, V, SN, AA, RP, DR
R2562	Residential	NCA02	44	52	58	55	38	58	50	52	40	55	49	56	41	PN, V, SN, RP, DR
R2563	Residential	NCA02	47	53	58	54	40	58	51	53	41	58	49	56	44	PN, V, SN, RP, DR
R2564	Residential	NCA02	40	53	59	55	41	59	47	49	36	52	50	57	37	PN, V, SN, RP, DR
R2565	Residential	NCA02	39	53	57	55	41	59	47	49	35	50	50	56	36	PN, V, SN, RP, DR
R2566	Residential	NCA02	36	54	60	57	43	60	42	44	33	48	51	58	33	PN, V, SN, RP, DR
R2567	Residential	NCA02	33	46	51	47	34	51	38	40	27	44	42	49	30	PN, V, SN, RP, DR
R2568	Residential	NCA02	39	54	61	57	43	60	45	47	35	50	51	58	36	PN, V, SN, RP, DR
R2569	Residential	NCA02	33	52	49	48	30	57	40	42	29	45	41	48	30	PN, V, SN, RP, DR
R2570	Residential	NCA02	34	44	49	45	30	49	39	41	29	46	41	48	31	PN, V
R2571	Residential	NCA02	38	56	62	59	44	62	44	46	35	50	53	60	35	PN, V, SN, AA, RP, DR
R2572	Residential	NCA02	36	57	64	61	44	64	44	46	35	48	54	61	33	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2573	Residential	NCA02	**36**	**50**	**55**	**52**	**36**	**55**	**45**	**47**	**37**	**47**	**47**	**53**	33	PN, V, SN, RP, DR
R2574	Residential	NCA01	24	30	33	33	17	**37**	24	26	15	31	26	33	21	PN
R2575	Residential	NCA02	**38**	**57**	**63**	**59**	**46**	**62**	**44**	**46**	35	**49**	**53**	**61**	35	PN, V, SN, AA, RP, DR
R2576	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	50	42	48	36	-
R2577	Residential	NCA02	27	**38**	**44**	**40**	26	**44**	31	33	20	**39**	35	**42**	24	PN, V
R2578	Residential	NCA02	**37**	**57**	**64**	**60**	**45**	**65**	**43**	**46**	34	**49**	**53**	**60**	34	PN, V, SN, AA, RP, DR
R2579	Residential	NCA02	35	**50**	**52**	**50**	34	**53**	**41**	**43**	30	**47**	**46**	**52**	32	PN, V, SN, RP, DR
R2580	Residential	NCA02	**40**	**56**	**62**	**59**	**45**	**62**	**45**	**47**	**36**	**51**	**53**	**60**	**37**	PN, V, SN, AA, RP, DR
R2581	Residential	NCA02	30	**50**	**46**	**48**	29	**56**	33	35	24	**42**	**37**	**44**	27	PN, V, SN, RP, DR
R2582	Residential	NCA02	32	**49**	**47**	**45**	29	**54**	**38**	**40**	28	**44**	**40**	**46**	29	PN, V, SN, RP, DR
R2583	Residential	NCA02	**38**	**53**	**59**	**56**	**42**	**59**	**46**	**47**	35	**49**	**51**	**57**	35	PN, V, SN, RP, DR
R2584	Active recreation	NCA04	39	46	43	41	26	43	37	39	28	51	43	50	36	-
R2585	Residential	NCA01	27	**40**	**42**	**42**	24	**45**	31	33	23	**39**	34	**41**	24	PN, V
R2586	Residential	NCA02	**49**	**54**	**56**	**55**	**37**	**55**	**52**	**55**	**44**	**60**	**51**	**58**	**46**	PN, V, SN, RP, DR
R2587	Residential	NCA02	**42**	**52**	**57**	**54**	**40**	**57**	**47**	**48**	**36**	**53**	**48**	**55**	**39**	PN, V, SN, RP, DR
R2588	Active recreation	NCA02	29	39	43	40	26	44	33	36	24	40	35	42	26	-
R2589	Residential	NCA02	**43**	**52**	**58**	**55**	**38**	**58**	**49**	**51**	**39**	**55**	**49**	**55**	**40**	PN, V, SN, RP, DR
R2590	Residential	NCA02	26	**45**	**52**	**48**	33	**52**	30	32	22	**38**	**43**	**50**	23	PN, V, SN, RP, DR
R2591	Residential	NCA01	27	**42**	**47**	**43**	28	**48**	32	35	24	**39**	**38**	**44**	24	PN, V
R2592	Residential	NCA02	**39**	**54**	**61**	**57**	**43**	**61**	**48**	**50**	**38**	**51**	**52**	**58**	**36**	PN, V, SN, AA, RP, DR
R2593	Residential	NCA02	28	**41**	**42**	**40**	25	**45**	33	35	22	**37**	35	**42**	25	PN, V
R2594	Residential	NCA02	34	**48**	**52**	**49**	34	**53**	**39**	**41**	29	**45**	**45**	**52**	31	PN, V, SN, RP, DR
R2595	Residential	NCA02	34	**56**	**62**	**59**	**44**	**62**	**39**	**41**	29	**46**	**53**	**60**	31	PN, V, SN, AA, RP, DR
R2596	Industrial	NCA04	39	43	42	39	25	42	35	37	27	48	40	44	36	-
R2597	Residential	NCA02	28	**38**	**43**	**40**	26	**44**	32	34	20	**40**	35	**42**	25	PN, V
R2598	Residential	NCA02	27	**40**	**43**	**41**	25	**45**	32	34	21	**39**	35	**42**	24	PN, V
R2599	Residential	NCA02	**46**	**51**	**55**	**52**	**37**	**55**	**50**	**52**	**41**	**57**	**49**	**56**	**43**	PN, V, SN, RP, DR
R2600	Residential	NCA02	28	**38**	**42**	**38**	24	**43**	32	34	20	**39**	33	**40**	25	PN, V
R2601	Residential	NCA02	32	**44**	**48**	**45**	30	**49**	**39**	**40**	27	**44**	**40**	**47**	29	PN, V
R2602	Residential	NCA02	30	**43**	**47**	**44**	29	**48**	**36**	**38**	25	**41**	**39**	**46**	27	PN, V
R2603	Residential	NCA02	**40**	**55**	**61**	**57**	**41**	**61**	**48**	**50**	**39**	**51**	**52**	**58**	**37**	PN, V, SN, AA, RP, DR
R2604	Residential	NCA02	30	**45**	**47**	**46**	30	**50**	35	**37**	25	**42**	**40**	**47**	27	PN, V
R2605	Industrial	NCA04	39	44	42	39	25	42	35	37	26	50	42	48	36	-
R2606	Residential	NCA02	30	**43**	**46**	**43**	28	**47**	34	**36**	23	**42**	**37**	**44**	27	PN, V
R2607	Residential	NCA02	**40**	**56**	**61**	**57**	**44**	**60**	**48**	**50**	**39**	**52**	**52**	**59**	**37**	PN, V, SN, AA, RP, DR
R2608	Residential	NCA02	29	**42**	**46**	**43**	27	**46**	35	**37**	27	**41**	**38**	**44**	26	PN, V
R2609	Residential	NCA02	**40**	**56**	**61**	**57**	**43**	**61**	**47**	**50**	**38**	**52**	**52**	**58**	**37**	PN, V, SN, AA, RP, DR
R2610	Residential	NCA01	27	**40**	**45**	**42**	28	**47**	32	34	24	**39**	**37**	**44**	24	PN, V
R2611	Residential	NCA02	**38**	**52**	**57**	**54**	**39**	**57**	**45**	**47**	34	**50**	**49**	**56**	35	PN, V, SN, RP, DR
R2612	Residential	NCA02	30	**45**	**50**	**47**	31	**50**	35	**37**	25	**42**	**39**	**47**	27	PN, V
R2613	Residential	NCA02	32	**49**	**47**	**48**	29	**56**	**39**	**41**	28	**43**	**38**	**45**	29	PN, V, SN, RP, DR
R2614	Residential	NCA02	**42**	**52**	**57**	**54**	**37**	**57**	**50**	**51**	**40**	**54**	**49**	**56**	**39**	PN, V, SN, RP, DR
R2615	Residential	NCA02	**39**	**54**	**61**	**57**	**44**	**61**	**46**	**49**	**37**	**50**	**51**	**58**	**36**	PN, V, SN, AA, RP, DR
R2616	Residential	NCA02	23	**48**	**50**	**46**	33	**57**	29	31	19	35	**40**	**47**	20	PN, V, SN, RP, DR
R2617	Residential	NCA02	30	**39**	**44**	**40**	26	**44**	35	**37**	23	**42**	35	**42**	27	PN, V
R2618	Residential	NCA02	**42**	**52**	**57**	**54**	**40**	**57**	**48**	**49**	**38**	**55**	**49**	**56**	**39**	PN, V, SN, RP, DR
R2619	Residential	NCA02	27	**53**	**49**	**46**	32	**57**	32	34	21	**39**	**40**	**47**	24	PN, V, SN, RP, DR
R2620	Residential	NCA02	32	**53**	**53**	**50**	**36**	**59**	**39**	**41**	29	**44**	**44**	**51**	29	PN, V, SN, RP, DR
R2621	Residential	NCA02	29	**42**	**44**	**40**	27	**46**	32	34	21	**39**	35	**42**	26	PN, V
R2622	Residential	NCA02	**37**	**55**	**62**	**58**	**44**	**62**	**47**	**49**	35	**49**	**53**	**60**	34	PN, V, SN, AA, RP, DR
R2623	Industrial	NCA04	39	44	42	39	25	42	35	37	26	49	41	46	36	-
R2624	Residential	NCA02	**38**	**53**	**59**	**55**	**41**	**59**	**47**	**49**	**36**	**50**	**50**	**57**	35	PN, V, SN, RP, DR
R2625	Residential	NCA02	**45**	**53**	**58**	**54**	**40**	**58**	**50**	**52**	**41**	**56**	**49**	**56**	**42**	PN, V, SN, RP, DR
R2626	Residential	NCA02	27	**37**	**36**	32	19	**38**	24	26	14	34	27	34	24	PN
R2627	Residential	NCA02	29	**39**	**41**	**38**	24	**44**	31	33	20	**41**	32	**39**	26	PN, V
R2628	Residential	NCA02	**40**	**54**	**62**	**57**	**43**	**62**	**46**	**48**	**36**	**51**	**52**	**59**	**37**	PN, V, SN, AA, RP, DR
R2629	Residential	NCA02	**39**	**54**	**60**	**56**	**42**	**60**	**46**	**49**	**36**	**49**	**51**	**58**	**36**	PN, V, SN, RP, DR
R2630	Residential	NCA02	27	**38**	**42**	**39**	25	**44**	31	33	20	**38**	34	**41**	24	PN, V
R2631	Residential	NCA02	**39**	**54**	**60**	**57**	**43**	**60**	**45**	**47**	34	**50**	**51**	**59**	**36**	PN, V, SN, RP, DR
R2632	Residential	NCA02	32	**48**	**47**	**47**	30	**55**	**37**	**39**	25	**44**	**38**	**45**	29	PN, V, SN, RP, DR
R2633	Residential	NCA02	**38**	**52**	**58**	**55**	**38**	**58**	**45**	**46**	34	**49**	**50**	**57**	35	PN, V, SN, RP, DR
R2634	Residential	NCA01	27	**41**	**46**	**42**	29	**46**	33	35	24	**39**	36	**43**	24	PN, V
R2635	Residential	NCA02	**39**	**52**	**57**	**53**	**38**	**57**	**45**	**47**	34	**50**	**49**	**56**	**36**	PN, V, SN, RP, DR
R2636	Residential	NCA02	28	**38**	**43**	**40**	26	**44**	32	34	21	**40**	34	**41**	25	PN, V
R2637	Residential	NCA02	**36**	**52**	**59**	**56**	**42**	**59**	**46**	**48**	33	**47**	**50**	**57**	33	PN, V, SN, RP, DR
R2638	Active recreation	NCA04	38	46	44	41	27	44	37	39	29	51	43	48	35	-
R2639	Commercial	NCA02	33	55	49	47	32	62	40	42	30	45	43	50	30	-
R2640	Residential	NCA02	**39**	**52**	**60**	**56**	**42**	**60**	**44**	**46**	33	**49**	**50**	**57**	**36**	PN, V, SN, RP, DR
R2641	Industrial	NCA04	34	44	41	39	24	41	35	36	26	46	41	46	31	-
R2642	Residential	NCA02	**36**	**52**	**58**	**54**	**40**	**58**	**43**	**46**	32	**48**	**48**	**55**	33	PN, V, SN, RP, DR
R2643	Residential	NCA02	**40**	**55**	**60**	**56**	**42**	**60**	**48**	**50**	**38**	**51**	**52**	**57**	**37**	PN, V, SN, RP, DR
R2644	Residential	NCA02	**42**	**51**	**56**	**52**	**37**	**56**	**47**	**49**	**38**	**53**	**48**	**55**	**39**	PN, V, SN, RP, DR
R2645	Residential	NCA01	16	27	31	29	14	32	20	22	12	27	22	29	13	-
R2646	Residential	NCA02	**37**	**52**	**58**	**54**	**39**	**58**	**43**	**46**	32	**48**	**49**	**56**	34	PN, V, SN, RP, DR
R2647	Residential	NCA02	29	**43**	**43**	**41**	26	**47**	31	33	19	**39**	35	**41**	26	PN, V
R2648	Residential	NCA02	26	**38**	**40**	**37**	23	**44**	27	29	14	**36**	31	**38**	23	PN, V
R2649	Residential	NCA02	34	**57**	**63**	**57**	**43**	**63**	**44**	**46**	33	**45**	**54**	**58**	31	PN, V, SN, AA, RP, DR
R2650	Residential	NCA02	28	**45**	**46**	**42**	29	**49**	33	35	22	**40**	**37**	**44**	25	PN, V
R2651	Industrial	NCA02	33	56	47	44	28	62	37	39	27	44	39	46	30	-
R2652	Residential	NCA02	**37**	**53**	**59**	**55**	**39**	**59**	**44**	**46**	35	**49**	**50**	**56**	34	PN, V, SN, RP, DR
R2653	Active recreation	NCA04	38	45	43	40	26	43	36	38	28	49	42	47	35	-
R2654	Residential	NCA02	28	**49**	**45**	**48**	28	**55**	35	**37**	24	**40**	**36**	**43**	25	PN, V, SN, RP, DR
R2655	Residential	NCA01	28	**43**	**47**	**44**	30	**48**	33	35	25	**39**	**38**	**45**	25	PN, V
R2656	Residential	NCA02	**36**	**54**	**59**	**55**	**40**	**59**	**43**	**45**	33	**48**	**50**	**56**	33	PN, V, SN, RP, DR
R2657	Residential	NCA02	31	**52**	**51**	**49**	32	**57**	35	**37**	25	**42**	**42**	**49**	28	PN, V, SN, RP, DR
R2658	Residential	NCA02	31	**42**	**45**	**42**	28	**48**	**37**	**39**	26	**43**	**37**	**44**	28	PN, V
R2659	Active recreation	NCA04	36	47	41	39	25	41	35	37	25	50	43	47	33	-
R2660	Residential	NCA02	33	**44**	**46**	**42**	29	**49**	**36**	**39**	25	**44**	**37**	**44**	30	PN, V
R2661	Residential	NCA02	30	**48**	**48**	**48**	30	**56**	35	**39**	25	**42**	**39**	**46**	27	PN, V, SN, RP, DR
R2662	Residential	NCA02	**38**	**52**	**59**	**55**	**42**	**59**	**43**	**44**	33	**49**	**50**	**57**	35	PN, V, SN, RP, DR
R2663	Residential	NCA02	**42**	**51**	**58**	**54**	**37**	**58**	**46**	**48**	**38**	**53**	**49**	**55**	**39**	PN, V, SN, RP, DR
R2664	Residential	NCA02	30	**41**	**44**	**41**	26	**45**	35	**37**	23	**42**	35	**42**	27	PN, V
R2665	Active recreation	NCA04	41	46	48	45	30	47	41	43	32	53	44	51	38	-
R2666	Active recreation	NCA02	29	45	49	46	30	50	35	37	26	41	41	48	26	-
R2667	Residential	NCA02	**38**	**56**	**63**	**59**	**43**	**62**	**45**	**47**	35	**49**	**53**	**60**	35	PN, V, SN, AA, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2668	Residential	NCA02	25	**38**	**40**	**37**	23	**44**	30	32	19	**37**	31	**38**	22	PN, V
R2669	Industrial	NCA04	39	42	42	39	25	42	35	36	26	44	37	44	36	-
R2670	Residential	NCA02	**47**	**50**	**54**	**52**	**36**	**54**	**48**	**50**	**39**	**57**	**48**	**55**	**44**	PN, V, SN, RP, DR
R2671	Residential	NCA02	**41**	**52**	**58**	**54**	**40**	**58**	**47**	**49**	**36**	**52**	**49**	**56**	**38**	PN, V, SN, RP, DR
R2672	Residential	NCA02	**40**	**53**	**59**	**56**	**42**	**59**	**48**	**49**	**37**	**52**	**50**	**57**	**37**	PN, V, SN, RP, DR
R2673	Active recreation	NCA04	38	45	41	38	24	41	35	37	26	50	42	47	35	-
R2674	Residential	NCA02	30	**43**	**45**	**44**	27	**48**	**36**	**38**	24	**42**	**37**	**44**	27	PN, V
R2675	Residential	NCA02	35	**50**	**55**	**51**	**36**	**57**	**42**	**44**	32	**47**	**46**	**53**	32	PN, V, SN, RP, DR
R2676	Active recreation	NCA04	33	36	40	39	23	40	34	35	25	43	34	41	30	-
R2677	Residential	NCA02	29	**40**	**42**	**40**	25	**45**	30	32	20	**40**	34	**41**	26	PN, V
R2678	Residential	NCA02	**43**	**51**	**57**	**53**	**38**	**57**	**48**	**50**	**38**	**54**	**49**	**55**	**40**	PN, V, SN, RP, DR
R2679	Residential	NCA02	31	**44**	**44**	**42**	27	**47**	35	**37**	22	**42**	35	**42**	28	PN, V
R2680	Residential	NCA02	28	**37**	**39**	**37**	22	**42**	29	31	18	**39**	31	**38**	25	PN, V
R2681	Residential	NCA02	**37**	**54**	**60**	**56**	**42**	**60**	**43**	**46**	33	**48**	**51**	**58**	34	PN, V, SN, RP, DR
R2682	Residential	NCA02	**37**	**56**	**62**	**59**	**43**	**62**	**43**	**44**	33	**48**	**53**	**59**	34	PN, V, SN, AA, RP, DR
R2683	Residential	NCA02	28	**42**	**45**	**43**	27	**48**	34	**36**	22	**40**	**37**	**44**	25	PN, V
R2684	Industrial	NCA04	37	43	42	39	25	42	35	37	27	50	40	43	34	-
R2685	Residential	NCA02	**37**	**57**	**63**	**59**	**43**	**62**	**42**	**44**	33	**48**	**53**	**60**	34	PN, V, SN, AA, RP, DR
R2686	Residential	NCA02	**42**	**50**	**56**	**52**	**37**	**56**	**48**	**49**	**39**	**54**	**47**	**54**	**39**	PN, V, SN, RP, DR
R2687	Residential	NCA02	**36**	**57**	**63**	**59**	**44**	**63**	**42**	**45**	33	**48**	**54**	**61**	33	PN, V, SN, AA, RP, DR
R2688	Residential	NCA01	19	32	33	30	16	34	23	25	15	31	24	31	16	-
R2689	Residential	NCA02	**36**	**55**	**60**	**57**	**43**	**60**	**41**	**43**	31	**48**	**51**	**57**	33	PN, V, SN, RP, DR
R2690	Residential	NCA02	27	**40**	**44**	**41**	26	**46**	32	34	21	**39**	35	**42**	24	PN, V
R2691	Residential	NCA02	**43**	**50**	**55**	**52**	**37**	**56**	**48**	**50**	**38**	**54**	**47**	**54**	**40**	PN, V, SN, RP, DR
R2692	Residential	NCA02	28	**37**	**42**	**38**	25	**43**	33	35	21	**39**	33	**40**	25	PN, V
R2693	Active recreation	NCA04	37	44	44	41	26	43	37	39	28	48	41	46	34	-
R2694	Industrial	NCA04	45	49	51	50	33	50	47	49	38	56	48	55	42	-
R2695	Residential	NCA02	28	**41**	**44**	**42**	27	**46**	35	**37**	23	**41**	**36**	**43**	25	PN, V
R2696	Educational institute	NCA02	33	47	50	47	31	53	37	38	27	45	42	48	30	-
R2697	Residential	NCA02	**36**	**51**	**55**	**52**	**37**	**56**	**41**	**43**	30	**47**	**47**	**54**	33	PN, V, SN, RP, DR
R2698	Residential	NCA02	35	**52**	**57**	**53**	**37**	**57**	**41**	**42**	30	**46**	**48**	**55**	32	PN, V, SN, RP, DR
R2699	Residential	NCA02	**41**	**54**	**61**	**57**	**43**	**61**	**47**	**49**	**37**	**53**	**52**	**58**	**38**	PN, V, SN, AA, RP, DR
R2700	Residential	NCA02	**38**	**51**	**57**	**53**	**39**	**57**	**45**	**47**	35	**50**	**48**	**53**	35	PN, V, SN, RP, DR
R2701	Residential	NCA02	**42**	**51**	**56**	**53**	**37**	**56**	**48**	**50**	**38**	**53**	**47**	**54**	**39**	PN, V, SN, RP, DR
R2702	Active recreation	NCA04	40	46	49	46	31	48	42	44	31	52	43	50	37	-
R2703	Residential	NCA02	**42**	**48**	**53**	**50**	34	**53**	**46**	**48**	**38**	**53**	**45**	**52**	**39**	PN, V, SN, RP, DR
R2704	Residential	NCA02	**42**	**49**	**55**	**52**	**37**	**55**	**48**	**50**	**38**	**53**	**47**	**54**	**39**	PN, V, SN, RP, DR
R2705	Residential	NCA02	28	35	**39**	**36**	22	**41**	31	33	20	**40**	31	**38**	25	PN, V
R2706	Educational institute	NCA02	34	49	51	48	33	52	40	42	30	46	43	50	31	-
R2707	Residential	NCA02	29	**40**	**44**	**40**	26	**46**	34	**36**	22	**41**	35	**42**	26	PN, V
R2708	Residential	NCA02	**42**	**51**	**57**	**54**	**40**	**57**	**46**	**48**	**37**	**53**	**48**	**54**	**39**	PN, V, SN, RP, DR
R2709	Active recreation	NCA04	40	47	45	42	28	45	38	40	30	51	44	48	37	-
R2710	Residential	NCA02	30	**42**	**45**	**42**	26	**47**	34	**37**	25	**42**	**36**	**43**	27	PN, V
R2711	Residential	NCA02	**42**	**50**	**56**	**52**	**37**	**56**	**47**	**48**	**36**	**53**	**47**	**53**	**39**	PN, V, SN, RP, DR
R2712	Residential	NCA02	29	**44**	**44**	**42**	27	**47**	33	35	22	**41**	**36**	**42**	26	PN, V
R2713	Residential	NCA02	28	**42**	**44**	**41**	26	**48**	34	**36**	22	**40**	**36**	**42**	25	PN, V
R2714	Residential	NCA02	29	**41**	**42**	**40**	25	**47**	34	**36**	22	**40**	**36**	**42**	26	PN, V
R2715	Residential	NCA02	**37**	**50**	**57**	**53**	**40**	**57**	**45**	**47**	34	**48**	**48**	**54**	34	PN, V, SN, RP, DR
R2716	Residential	NCA02	**41**	**52**	**58**	**55**	**40**	**58**	**47**	**48**	**37**	**52**	**49**	**56**	**38**	PN, V, SN, RP, DR
R2717	Residential	NCA02	**37**	**53**	**59**	**55**	**41**	**59**	**45**	**48**	35	**49**	**50**	**56**	34	PN, V, SN, RP, DR
R2718	Commercial	NCA02	49	54	56	53	39	56	52	55	43	60	51	58	46	-
R2719	Residential	NCA02	**38**	**53**	**59**	**55**	**40**	**58**	**45**	**47**	35	**50**	**49**	**56**	35	PN, V, SN, RP, DR
R2720	Residential	NCA02	35	**51**	**57**	**53**	**39**	**57**	**40**	**43**	29	**46**	**48**	**55**	32	PN, V, SN, RP, DR
R2721	Residential	NCA02	27	**39**	**41**	**38**	24	**44**	32	34	20	**38**	33	**40**	24	PN, V
R2722	Active recreation	NCA04	37	42	42	40	25	42	36	37	26	49	40	46	34	-
R2723	Residential	NCA02	**40**	**52**	**58**	**55**	**41**	**58**	**45**	**47**	34	**51**	**49**	**56**	**37**	PN, V, SN, RP, DR
R2724	Educational institute	NCA02	32	48	50	48	32	53	36	38	26	44	43	50	29	-
R2725	Residential	NCA02	**40**	**52**	**57**	**53**	**40**	**57**	**47**	**49**	**36**	**51**	**49**	**55**	**37**	PN, V, SN, RP, DR
R2726	Residential	NCA02	**37**	**50**	**57**	**53**	**39**	**57**	**44**	**46**	33	**48**	**48**	**55**	34	PN, V, SN, RP, DR
R2727	Residential	NCA02	25	**36**	**41**	**37**	23	**42**	28	30	18	**36**	32	**39**	22	PN, V
R2728	Residential	NCA02	**37**	**51**	**58**	**54**	**39**	**56**	**44**	**45**	31	**48**	**49**	**56**	34	PN, V, SN, RP, DR
R2729	Residential	NCA02	28	**40**	**44**	**41**	26	**45**	33	35	22	**40**	**36**	**42**	25	PN, V
R2730	Residential	NCA01	27	**41**	**46**	**42**	29	**47**	32	35	24	**39**	**37**	**44**	24	PN, V
R2731	Residential	NCA02	**38**	**52**	**57**	**55**	**37**	**58**	**45**	**47**	34	**50**	**49**	**54**	35	PN, V, SN, RP, DR
R2732	Residential	NCA02	28	**39**	**42**	**39**	25	**43**	32	34	20	**39**	34	**40**	25	PN, V
R2733	Residential	NCA02	26	**37**	**41**	**38**	23	**42**	31	33	20	**38**	32	**39**	23	PN, V
R2734	Residential	NCA02	**39**	**51**	**58**	**54**	**40**	**58**	**48**	**49**	**37**	**51**	**49**	**55**	**36**	PN, V, SN, RP, DR
R2735	Residential	NCA02	**36**	**51**	**55**	**51**	**37**	**55**	**43**	**45**	33	**48**	**46**	**53**	33	PN, V, SN, RP, DR
R2736	Residential	NCA02	**37**	**52**	**57**	**55**	**40**	**57**	**43**	**45**	33	**48**	**50**	**55**	34	PN, V, SN, RP, DR
R2737	Residential	NCA02	27	**36**	**41**	**37**	24	**42**	31	33	21	**39**	32	**39**	24	PN, V
R2738	Residential	NCA02	**37**	**52**	**57**	**54**	**40**	**58**	**43**	**45**	33	**49**	**49**	**55**	34	PN, V, SN, RP, DR
R2739	Residential	NCA02	25	35	**39**	35	21	**40**	27	29	16	35	30	**37**	22	PN
R2740	Commercial	NCA02	48	52	55	53	37	54	49	53	39	59	50	57	45	-
R2741	Active recreation	NCA04	38	45	43	40	25	43	36	38	28	48	42	47	35	-
R2742	Residential	NCA02	**38**	**51**	**58**	**54**	**40**	**58**	**44**	**46**	33	**49**	**48**	**54**	35	PN, V, SN, RP, DR
R2743	Residential	NCA02	**36**	**52**	**57**	**53**	**38**	**57**	**43**	**45**	32	**48**	**48**	**54**	33	PN, V, SN, RP, DR
R2744	Residential	NCA02	**37**	**50**	**56**	**52**	**38**	**56**	**42**	**44**	33	**49**	**47**	**54**	34	PN, V, SN, RP, DR
R2745	Residential	NCA02	**38**	**52**	**57**	**54**	**39**	**57**	**46**	**48**	**36**	**50**	**49**	**56**	35	PN, V, SN, RP, DR
R2746	Residential	NCA02	32	**53**	**47**	**44**	29	**59**	**38**	**40**	29	**44**	**40**	**47**	29	PN, V, SN, RP, DR
R2747	Residential	NCA02	**39**	**52**	**58**	**54**	**41**	**57**	**47**	**49**	**36**	**51**	**49**	**55**	**36**	PN, V, SN, RP, DR
R2748	Residential	NCA02	22	35	**38**	35	21	**40**	26	28	16	33	29	**36**	19	PN
R2749	Residential	NCA02	35	**52**	**58**	**54**	**38**	**57**	**43**	**45**	32	**47**	**48**	**55**	32	PN, V, SN, RP, DR
R2750	Residential	NCA02	25	**39**	**41**	**39**	24	**44**	30	32	18	**36**	33	**40**	22	PN, V
R2751	Educational institute	NCA02	33	48	48	45	29	53	39	41	29	45	42	48	30	-
R2752	Residential	NCA02	**44**	**49**	**53**	**51**	35	**54**	**47**	**48**	**37**	**54**	**46**	**53**	**41**	PN, V, SN, RP, DR
R2753	Place of worship	NCA02	32	50	49	46	29	56	38	40	28	44	41	48	29	-
R2754	Residential	NCA02	**37**	**52**	**58**	**54**	**41**	**58**	**45**	**47**	35	**49**	**49**	**55**	34	PN, V, SN, RP, DR
R2755	Active recreation	NCA04	41	46	49	46	31	48	42	44	33	52	43	50	38	-
R2756	Residential	NCA02	25	**38**	**41**	**39**	24	**43**	31	33	19	**37**	32	**40**	22	PN, V
R2757	Residential	NCA02	30	**44**	**46**	**44**	27	**48**	**36**	**38**	25	**42**	**37**	**44**	27	PN, V
R2758	Residential	NCA02	**37**	**51**	**58**	**54**	**40**	**58**	**44**	**46**	34	**49**	**49**	**56**	34	PN, V, SN, RP, DR
R2759	Active recreation	NCA04	37	44	43	41	26	43	36	38	28	50	42	48	34	-
R2760	Residential	NCA02	**36**	**53**	**59**	**55**	**40**	**59**	**42**	**44**	32	**48**	**50**	**55**	33	PN, V, SN, RP, DR
R2761	Residential	NCA02	30	**40**	**42**	**38**	25	**45**	34	**36**	25	**42**	34	**41**	27	PN, V
R2762	Commercial	NCA02	44	48	52	51	34	51	47	49	36	54	46	52	41	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2763	Residential	NCA02	29	**39**	**42**	**39**	25	**44**	33	35	23	**41**	34	**41**	26	PN, V
R2764	Residential	NCA02	29	**43**	**46**	**44**	27	**48**	35	**37**	25	**41**	**37**	**44**	26	PN, V
R2765	Residential	NCA02	31	**44**	**44**	**41**	26	**49**	35	**38**	26	**43**	**37**	**44**	28	PN, V
R2766	Residential	NCA02	29	**50**	**55**	**51**	34	**57**	35	**37**	24	**41**	**46**	**51**	26	PN, V, SN, RP, DR
R2767	Residential	NCA02	**43**	**47**	**51**	**49**	32	**51**	**46**	**48**	**37**	**53**	**45**	**52**	**40**	PN, V, SN, RP, DR
R2768	Active recreation	NCA04	42	46	49	46	31	48	44	46	33	53	44	50	39	-
R2769	Residential	NCA02	29	**42**	**43**	**41**	26	**47**	34	**36**	23	**41**	34	**41**	26	PN, V
R2770	Active recreation	NCA04	35	41	42	39	25	42	35	37	26	47	38	45	32	-
R2771	Residential	NCA02	**42**	**48**	**54**	**49**	34	**54**	**46**	**48**	**36**	**52**	**44**	**51**	**39**	PN, V, SN, RP, DR
R2772	Residential	NCA02	**37**	**52**	**58**	**54**	**40**	**58**	**45**	**47**	35	**49**	**49**	**56**	34	PN, V, SN, RP, DR
R2773	Residential	NCA02	**45**	**47**	**51**	**48**	33	**51**	**44**	**46**	35	**55**	**46**	**53**	**42**	PN, V, SN, RP, DR
R2774	Residential	NCA02	33	**50**	**56**	**52**	**37**	**56**	**40**	**42**	29	**45**	**47**	**54**	30	PN, V, SN, RP, DR
R2775	Commercial	NCA01	20	29	35	31	17	35	24	26	15	31	26	33	17	-
R2776	Residential	NCA02	**39**	**45**	**50**	**47**	33	**50**	**42**	**44**	33	**50**	**42**	**48**	**36**	PN, V
R2777	Residential	NCA02	25	**41**	**42**	**40**	24	**45**	29	31	21	**37**	33	**39**	22	PN, V
R2778	Residential	NCA02	33	**48**	**47**	**43**	28	**52**	35	**37**	23	**44**	**38**	**45**	30	PN, V, SN, RP, DR
R2779	Residential	NCA02	**37**	**49**	**55**	**52**	**37**	**55**	**44**	**46**	34	**48**	**46**	**53**	34	PN, V, SN, RP, DR
R2780	Residential	NCA02	31	**44**	**45**	**43**	27	**50**	**36**	**39**	26	**43**	**37**	**43**	28	PN, V
R2781	Active recreation	NCA04	38	42	42	40	25	42	36	38	27	48	40	44	35	-
R2782	Residential	NCA02	**37**	**52**	**57**	**53**	**40**	**57**	**45**	**47**	35	**48**	**49**	**55**	34	PN, V, SN, RP, DR
R2783	Residential	NCA02	31	**47**	**47**	**44**	28	**49**	**36**	**39**	27	**43**	**38**	**45**	28	PN, V
R2784	Residential	NCA02	32	**51**	**47**	**45**	29	**59**	**37**	**39**	27	**43**	**40**	**47**	29	PN, V, SN, RP, DR
R2785	Residential	NCA02	**40**	**45**	**51**	**47**	33	**51**	**44**	**46**	35	**51**	**43**	**50**	**37**	PN, V, SN, RP, DR
R2786	Residential	NCA02	**37**	**52**	**58**	**54**	**40**	**58**	**44**	**46**	34	**49**	**49**	**55**	34	PN, V, SN, RP, DR
R2787	Residential	NCA02	**40**	**47**	**50**	**48**	32	**50**	**43**	**45**	35	**51**	**42**	**49**	**37**	PN, V, SN, RP, DR
R2788	Residential	NCA02	**38**	**53**	**58**	**54**	**41**	**58**	**45**	**47**	**36**	**50**	**49**	**56**	35	PN, V, SN, RP, DR
R2789	Place of worship	NCA02	28	43	45	43	27	48	35	37	23	40	37	44	25	-
R2790	Residential	NCA02	**39**	**48**	**53**	**50**	35	**54**	**42**	**43**	31	**50**	**45**	**49**	**36**	PN, V, SN, RP, DR
R2791	Educational institute	NCA02	34	51	54	52	33	54	40	42	27	46	46	53	31	-
R2792	Residential	NCA02	27	**43**	**46**	**44**	27	**48**	33	35	19	**39**	**38**	**45**	24	PN, V
R2793	Residential	NCA02	28	**40**	**42**	**39**	25	**45**	34	**36**	23	**40**	34	**42**	25	PN, V
R2794	Residential	NCA02	**39**	**50**	**55**	**51**	**38**	**55**	**43**	**44**	33	**50**	**47**	**54**	**36**	PN, V, SN, RP, DR
R2795	Residential	NCA02	**36**	**52**	**56**	**54**	**38**	**57**	**42**	**44**	32	**47**	**49**	**56**	33	PN, V, SN, RP, DR
R2796	Residential	NCA02	**46**	**48**	**52**	**49**	34	**52**	**45**	**48**	**37**	**57**	**48**	**55**	**43**	PN, V, SN, RP, DR
R2797	Residential	NCA02	30	**47**	**45**	**42**	27	**49**	35	**37**	25	**42**	**37**	**43**	27	PN, V
R2798	Residential	NCA02	34	**51**	**57**	**53**	**38**	**57**	**43**	**45**	33	**47**	**48**	**55**	31	PN, V, SN, RP, DR
R2799	Residential	NCA02	30	**41**	**43**	**40**	25	**45**	35	**37**	25	**42**	35	**42**	27	PN, V
R2800	Educational institute	NCA02	34	50	52	50	32	53	40	42	28	46	44	51	31	-
R2801	Residential	NCA02	30	**42**	**45**	**43**	27	**46**	35	**37**	26	**42**	**38**	**44**	27	PN, V
R2802	Residential	NCA02	27	**40**	**40**	**38**	23	**45**	32	34	23	**39**	33	**39**	24	PN, V
R2803	Residential	NCA02	**36**	**51**	**58**	**54**	**39**	**58**	**43**	**45**	33	**48**	**49**	**56**	33	PN, V, SN, RP, DR
R2804	Residential	NCA02	**39**	**50**	**57**	**54**	**40**	**57**	**46**	**48**	**36**	**51**	**48**	**54**	**36**	PN, V, SN, RP, DR
R2805	Residential	NCA02	29	**51**	**44**	**40**	26	**58**	33	35	24	**41**	35	**42**	26	PN, V, SN, RP, DR
R2806	Residential	NCA02	**37**	**53**	**58**	**55**	**40**	**58**	**44**	**46**	35	**49**	**49**	**55**	34	PN, V, SN, RP, DR
R2807	Residential	NCA02	34	**49**	**52**	**49**	33	**52**	**41**	**43**	31	**46**	**45**	**51**	31	PN, V, SN, RP, DR
R2808	Residential	NCA02	22	**39**	**40**	**38**	24	**44**	26	29	17	34	32	**39**	19	PN, V
R2809	Residential	NCA02	**39**	**49**	**54**	**51**	**37**	**54**	**42**	**44**	33	**51**	**45**	**52**	**36**	PN, V, SN, RP, DR
R2810	Educational institute	NCA02	33	47	48	47	29	51	39	41	28	45	43	49	30	-
R2811	Residential	NCA02	**38**	**49**	**55**	**51**	35	**54**	**44**	**46**	33	**49**	**46**	**52**	35	PN, V, SN, RP, DR
R2812	Residential	NCA02	**40**	**52**	**59**	**55**	**41**	**59**	**46**	**48**	**37**	**51**	**50**	**55**	**37**	PN, V, SN, RP, DR
R2813	Active recreation	NCA04	40	47	46	43	28	46	40	42	30	52	45	50	37	-
R2814	Educational institute	NCA02	28	41	45	42	27	46	32	34	22	39	36	43	25	-
R2815	Residential	NCA02	25	**39**	**40**	**36**	23	**45**	29	31	19	35	31	**38**	22	PN, V
R2816	Residential	NCA02	25	**42**	**41**	**39**	23	**48**	33	35	22	35	34	**41**	22	PN, V
R2817	Residential	NCA02	18	33	**37**	34	21	**39**	23	26	15	30	28	35	15	PN
R2818	Residential	NCA02	**45**	**50**	**52**	**49**	33	**51**	**49**	**51**	**39**	**56**	**47**	**54**	**42**	PN, V, SN, RP, DR
R2819	Residential	NCA02	20	35	**38**	34	22	**41**	24	26	16	31	29	**36**	17	PN, V
R2820	Residential	NCA02	29	**42**	**42**	**40**	24	**45**	34	**36**	24	**41**	35	**41**	26	PN, V
R2821	Active recreation	NCA02	30	44	47	45	28	49	35	37	25	42	39	46	27	-
R2822	Educational institute	NCA02	27	41	45	41	28	45	31	33	21	38	36	43	24	-
R2823	Residential	NCA02	**38**	**51**	**56**	**53**	**38**	**56**	**45**	**47**	**36**	**50**	**47**	**54**	35	PN, V, SN, RP, DR
R2824	Educational institute	NCA02	33	48	54	50	33	53	38	40	27	45	44	51	30	-
R2825	Residential	NCA02	35	**49**	**51**	**47**	33	**55**	**40**	**42**	30	**47**	**42**	**48**	32	PN, V, SN, RP, DR
R2826	Residential	NCA02	30	**39**	**41**	**38**	24	**43**	34	**36**	24	**42**	34	**41**	27	PN, V
R2827	Residential	NCA02	**41**	**45**	**46**	**44**	28	**47**	**42**	**44**	34	**51**	**42**	**49**	**38**	PN, V, SN, RP, DR
R2828	Residential	NCA02	29	**44**	**44**	**42**	26	**48**	**36**	**38**	25	**41**	**37**	**44**	26	PN, V
R2829	Residential	NCA02	**38**	**50**	**55**	**52**	**38**	**55**	**43**	**44**	33	**49**	**46**	**53**	35	PN, V, SN, RP, DR
R2830	Residential	NCA02	**36**	**50**	**56**	**52**	**37**	**55**	**42**	**45**	33	**48**	**46**	**53**	33	PN, V, SN, RP, DR
R2831	Educational institute	NCA02	32	48	49	46	29	52	36	38	25	44	41	48	29	-
R2832	Educational institute	NCA02	33	49	51	47	33	52	40	42	30	45	42	48	30	-
R2833	Active recreation	NCA04	37	41	43	40	25	42	36	37	27	46	38	43	34	-
R2834	Residential	NCA02	26	**39**	**40**	**37**	23	**43**	31	33	20	**38**	31	**38**	23	PN, V
R2835	Residential	NCA02	**37**	**49**	**54**	**50**	34	**54**	**44**	**46**	33	**47**	**45**	**52**	34	PN, V, SN, RP, DR
R2836	Residential	NCA02	30	**45**	**44**	**43**	26	**47**	34	**37**	24	**42**	**37**	**44**	27	PN, V
R2837	Residential	NCA02	35	**52**	**57**	**53**	**38**	**59**	**39**	**41**	28	**46**	**45**	**52**	32	PN, V, SN, RP, DR
R2838	Residential	NCA02	26	**42**	**43**	**39**	25	**46**	33	35	23	**38**	34	**41**	23	PN, V
R2839	Residential	NCA02	32	**52**	**47**	**45**	29	**58**	**37**	**39**	27	**44**	**40**	**47**	29	PN, V, SN, RP, DR
R2840	Residential	NCA02	28	**44**	**45**	**42**	27	**48**	35	**37**	25	**40**	**36**	**44**	25	PN, V
R2841	Residential	NCA02	**39**	**45**	**48**	**45**	31	**49**	**41**	**43**	33	**50**	**42**	**49**	**36**	PN, V
R2842	Residential	NCA02	**36**	**51**	**57**	**54**	**40**	**57**	**41**	**43**	30	**46**	**48**	**54**	33	PN, V, SN, RP, DR
R2843	Residential	NCA02	**36**	**54**	**59**	**55**	**40**	**59**	**43**	**45**	32	**48**	**48**	**55**	33	PN, V, SN, RP, DR
R2844	Residential	NCA02	**38**	**49**	**55**	**51**	**38**	**55**	**44**	**45**	33	**49**	**47**	**52**	35	PN, V, SN, RP, DR
R2845	Residential	NCA02	**39**	**47**	**54**	**49**	33	**53**	**43**	**45**	33	**50**	**44**	**50**	**36**	PN, V, SN, RP, DR
R2846	Residential	NCA02	27	**42**	**45**	**42**	27	**47**	33	35	23	**39**	**36**	**43**	24	PN, V
R2847	Residential	NCA02	23	**38**	**39**	**36**	23	**42**	26	28	18	35	30	**37**	20	PN, V
R2848	Residential	NCA02	**38**	**51**	**56**	**53**	**38**	**56**	**45**	**47**	35	**49**	**48**	**55**	35	PN, V, SN, RP, DR
R2849	Residential	NCA02	30	**43**	**45**	**43**	26	**47**	**36**	**38**	25	**42**	**38**	**45**	27	PN, V
R2850	Residential	NCA02	**44**	**47**	**51**	**48**	31	**51**	**46**	**48**	**36**	**55**	**46**	**53**	**41**	PN, V, SN, RP, DR
R2851	Residential	NCA02	**40**	**50**	**56**	**52**	**38**	**56**	**46**	**48**	**36**	**52**	**47**	**55**	**37**	PN, V, SN, RP, DR
R2852	Residential	NCA02	27	**42**	**41**	**39**	23	**45**	33	35	22	**39**	34	**41**	24	PN, V
R2853	Residential	NCA02	26	**42**	**44**	**42**	25	**47**	33	35	23	**38**	**36**	**43**	23	PN, V
R2854	Residential	NCA02	**40**	**44**	**48**	**47**	30	**47**	**43**	**45**	34	**50**	**42**	**49**	**37**	PN, V
R2855	Residential	NCA02	**38**	**50**	**57**	**53**	**39**	**57**	**45**	**48**	**36**	**49**	**48**	**55**	35	PN, V, SN, RP, DR
R2856	Residential	NCA02	27	**39**	**40**	**36**	23	**44**	31	34	22	**38**	32	**39**	24	PN, V
R2857	Residential	NCA02	**37**	**50**	**55**	**52**	**37**	**55**	**44**	**46**	34	**49**	**47**	**54**	34	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R2858	Residential	NCA02	27	**43**	**45**	**43**	25	**48**	34	**36**	23	**39**	**37**	**44**	24	PN, V
R2859	Active recreation	NCA04	35	42	38	35	21	37	34	36	23	48	39	46	32	-
R2860	Residential	NCA02	30	**46**	**45**	**43**	27	**48**	35	**37**	24	**42**	**36**	**43**	27	PN, V
R2861	Residential	NCA02	32	**50**	**48**	**44**	29	**57**	**38**	**40**	28	**44**	**41**	**48**	29	PN, V, SN, RP, DR
R2862	Educational institute	NCA02	32	43	47	44	30	47	39	40	26	44	38	45	29	-
R2863	Residential	NCA02	**38**	**51**	**57**	**53**	**37**	**57**	**44**	**46**	34	**48**	**48**	**53**	35	PN, V, SN, RP, DR
R2864	Residential	NCA02	23	**36**	**38**	35	21	**41**	28	30	17	35	30	**37**	20	PN, V
R2865	Residential	NCA02	**44**	**49**	**51**	**50**	32	**51**	**47**	**49**	**39**	**56**	**47**	**54**	**41**	PN, V, SN, RP, DR
R2866	Residential	NCA02	28	**39**	**40**	**37**	23	**43**	32	34	22	**40**	33	**39**	25	PN, V
R2867	Residential	NCA02	**37**	**48**	**54**	**50**	35	**54**	**41**	**43**	31	**48**	**45**	**50**	34	PN, V, SN, RP, DR
R2868	Residential	NCA02	**37**	**51**	**57**	**53**	**38**	**57**	**44**	**46**	35	**49**	**48**	**55**	34	PN, V, SN, RP, DR
R2869	Residential	NCA02	27	35	**39**	**36**	22	**40**	30	32	20	**39**	31	**37**	24	PN
R2870	Active recreation	NCA04	42	45	50	47	32	50	45	47	34	53	43	50	39	-
R2871	Residential	NCA02	**39**	**47**	**51**	**48**	33	**51**	**40**	**42**	32	**49**	**43**	**49**	**36**	PN, V, SN, RP, DR
R2872	Residential	NCA02	24	35	**38**	**36**	21	**40**	28	30	17	**36**	30	**37**	21	PN
R2873	Residential	NCA02	**38**	**51**	**57**	**53**	**38**	**57**	**44**	**46**	35	**49**	**48**	**54**	35	PN, V, SN, RP, DR
R2874	Residential	NCA02	32	**50**	**47**	**45**	29	**55**	**38**	**40**	26	**44**	**41**	**48**	29	PN, V, SN, RP, DR
R2875	Residential	NCA02	29	**44**	**43**	**42**	25	**48**	35	**37**	25	**41**	**36**	**43**	26	PN, V
R2876	Residential	NCA02	30	**47**	**43**	**42**	25	**50**	**36**	**38**	26	**42**	**38**	**44**	27	PN, V
R2877	Residential	NCA02	26	**37**	**38**	35	21	**41**	32	35	21	**38**	32	**39**	23	PN
R2878	Residential	NCA02	**38**	**50**	**56**	**52**	**38**	**56**	**45**	**46**	34	**50**	**47**	**51**	35	PN, V, SN, RP, DR
R2879	Residential	NCA02	24	**36**	**39**	**37**	21	**41**	30	32	18	**36**	32	**38**	21	PN, V
R2880	Residential	NCA02	**41**	**46**	**51**	**48**	33	**50**	**45**	**47**	**36**	**52**	**44**	**50**	**38**	PN, V, SN, RP, DR
R2881	Residential	NCA02	**36**	**49**	**53**	**50**	34	**53**	**42**	**44**	31	**47**	**44**	**51**	33	PN, V, SN, RP, DR
R2882	Residential	NCA02	**41**	**47**	**51**	**48**	33	**50**	**44**	**46**	**36**	**53**	**43**	**50**	**38**	PN, V, SN, RP, DR
R2883	Residential	NCA02	**38**	**50**	**56**	**53**	**38**	**56**	**44**	**46**	35	**50**	**47**	**53**	35	PN, V, SN, RP, DR
R2884	Residential	NCA02	24	34	**37**	35	20	**41**	28	30	18	**36**	29	**36**	21	PN, V
R2885	Residential	NCA02	26	**36**	**38**	35	21	**42**	30	32	19	**38**	30	**37**	23	PN, V
R2886	Active recreation	NCA04	39	45	42	40	25	42	36	37	27	48	42	46	36	-
R2887	Residential	NCA02	**39**	**45**	**48**	**47**	30	**48**	**44**	**45**	35	**50**	**42**	**49**	**36**	PN, V
R2888	Residential	NCA02	24	**36**	**40**	**36**	22	**41**	28	30	20	35	31	**38**	21	PN
R2889	Residential	NCA02	**44**	**49**	**51**	**49**	34	**51**	**47**	**48**	**37**	**55**	**46**	**53**	**41**	PN, V, SN, RP, DR
R2890	Residential	NCA02	**39**	**44**	**49**	**45**	30	**49**	**41**	**43**	33	**50**	**41**	**48**	**36**	PN, V
R2891	Active recreation	NCA04	38	45	47	44	29	47	40	42	31	51	43	49	35	-
R2892	Residential	NCA02	26	**38**	**44**	**41**	26	**45**	32	34	24	**38**	**36**	**43**	23	PN, V
R2893	Residential	NCA02	35	**51**	**57**	**53**	**38**	**57**	**42**	**45**	32	**47**	**48**	**54**	32	PN, V, SN, RP, DR
R2894	Residential	NCA02	29	**44**	**45**	**42**	26	**48**	34	**36**	24	**41**	**37**	**43**	26	PN, V
R2895	Place of worship	NCA02	31	51	47	45	29	56	36	38	26	43	41	48	28	-
R2896	Residential	NCA02	34	**48**	**54**	**50**	35	**54**	**41**	**43**	30	**46**	**44**	**51**	31	PN, V, SN, RP, DR
R2897	Residential	NCA02	**41**	**47**	**52**	**48**	33	**52**	**44**	**47**	35	**52**	**43**	**51**	**38**	PN, V, SN, RP, DR
R2898	Residential	NCA02	30	**45**	**44**	**41**	26	**47**	**36**	**38**	25	**42**	**38**	**45**	27	PN, V
R2899	Active recreation	NCA04	41	46	49	49	32	49	45	47	33	52	44	51	38	-
R2900	Residential	NCA02	31	**48**	**48**	**45**	27	**52**	**37**	**39**	28	**43**	**40**	**47**	28	PN, V, SN, RP, DR
R2901	Residential	NCA02	25	35	**39**	**36**	22	**40**	29	31	20	**36**	31	**37**	22	PN
R2902	Residential	NCA02	**36**	**52**	**56**	**54**	**38**	**58**	**43**	**45**	33	**47**	**47**	**54**	33	PN, V, SN, RP, DR
R2903	Residential	NCA02	29	**39**	**40**	**38**	23	**44**	33	35	24	**40**	32	**39**	26	PN, V
R2904	Residential	NCA02	34	**53**	**58**	**54**	**38**	**57**	**41**	**43**	31	**46**	**49**	**52**	31	PN, V, SN, RP, DR
R2905	Residential	NCA02	**39**	**46**	**51**	**47**	33	**51**	**43**	**45**	35	**50**	**43**	**49**	**36**	PN, V, SN, RP, DR
R2906	Active recreation	NCA04	41	45	44	42	22	39	39	40	29	52	43	48	38	-
R2907	Residential	NCA02	**36**	**48**	**54**	**50**	**36**	**54**	**43**	**45**	33	**48**	**45**	**51**	33	PN, V, SN, RP, DR
R2908	Residential	NCA02	30	**47**	**46**	**43**	28	**51**	**36**	**38**	26	**42**	**38**	**45**	27	PN, V, SN, RP, DR
R2909	Residential	NCA02	**39**	**46**	**50**	**46**	32	**50**	**43**	**45**	34	**50**	**42**	**48**	**36**	PN, V
R2910	Residential	NCA02	34	**49**	**52**	**49**	34	**52**	**40**	**43**	31	**46**	**43**	**48**	31	PN, V, SN, RP, DR
R2911	Residential	NCA02	30	**44**	**45**	**42**	27	**46**	**36**	**38**	26	**42**	**39**	**46**	27	PN, V
R2912	Residential	NCA02	27	**38**	**43**	**40**	25	**44**	32	34	23	**38**	34	**41**	24	PN, V
R2913	Residential	NCA02	**38**	**47**	**53**	**50**	35	**53**	**43**	**45**	34	**50**	**44**	**50**	35	PN, V, SN, RP, DR
R2914	Residential	NCA02	29	**40**	**42**	**40**	25	**44**	33	35	25	**40**	35	**41**	26	PN, V
R2915	Residential	NCA02	34	**48**	**54**	**50**	**36**	**54**	**41**	**43**	31	**46**	**45**	**52**	31	PN, V, SN, RP, DR
R2916	Residential	NCA02	**39**	**47**	**53**	**49**	**37**	**53**	**44**	**46**	34	**50**	**45**	**51**	**36**	PN, V, SN, RP, DR
R2917	Residential	NCA02	26	**36**	**37**	35	20	**40**	27	29	18	34	28	35	23	PN
R2918	Residential	NCA02	29	**42**	**45**	**41**	26	**45**	33	35	23	**41**	**37**	**44**	26	PN, V
R2919	Residential	NCA02	**39**	**49**	**55**	**51**	**37**	**55**	**44**	**46**	35	**50**	**46**	**53**	**36**	PN, V, SN, RP, DR
R2920	Residential	NCA02	33	**48**	**50**	**47**	32	**53**	**40**	**42**	30	**45**	**42**	**48**	30	PN, V, SN, RP, DR
R2921	Residential	NCA02	**38**	**48**	**53**	**50**	35	**53**	**44**	**46**	35	**49**	**44**	**50**	35	PN, V, SN, RP, DR
R2922	Residential	NCA02	33	**47**	**54**	**50**	35	**54**	**39**	**41**	26	**44**	**44**	**50**	30	PN, V, SN, RP, DR
R2923	Residential	NCA02	32	**44**	**48**	**44**	30	**48**	**37**	**39**	25	**44**	**39**	**46**	29	PN, V
R2924	Residential	NCA02	32	**50**	**47**	**45**	29	**54**	**37**	**39**	26	**44**	**39**	**45**	29	PN, V, SN, RP, DR
R2925	Residential	NCA02	**37**	**48**	**54**	**50**	35	**54**	**43**	**44**	33	**49**	**45**	**52**	34	PN, V, SN, RP, DR
R2926	Residential	NCA02	30	**45**	**45**	**43**	27	**47**	**36**	**38**	27	**42**	**37**	**44**	27	PN, V
R2927	Residential	NCA02	32	**48**	**50**	**46**	29	**54**	**38**	**40**	28	**44**	**41**	**48**	29	PN, V, SN, RP, DR
R2928	Residential	NCA02	31	**42**	**45**	**42**	27	**46**	**37**	**39**	25	**43**	**38**	**45**	28	PN, V
R2929	Residential	NCA02	27	**42**	**40**	**39**	22	**44**	33	35	22	**39**	32	**39**	24	PN, V
R2930	Active recreation	NCA04	37	43	41	38	24	41	34	36	26	45	40	45	34	-
R2931	Residential	NCA02	**37**	**49**	**54**	**51**	**36**	**54**	**44**	**46**	35	**49**	**46**	**53**	34	PN, V, SN, RP, DR
R2932	Residential	NCA02	33	**46**	**47**	**46**	29	**48**	**39**	**41**	28	**45**	**41**	**47**	30	PN, V
R2933	Residential	NCA02	**40**	**44**	**50**	**46**	30	**50**	**39**	**41**	31	**51**	**42**	**48**	**37**	PN, V, SN, RP, DR
R2934	Residential	NCA02	**36**	**48**	**53**	**49**	35	**53**	**42**	**43**	32	**48**	**45**	**51**	33	PN, V, SN, RP, DR
R2935	Residential	NCA02	23	34	**37**	33	20	**39**	26	28	18	34	29	35	20	PN
R2936	Residential	NCA02	34	**47**	**48**	**46**	31	**48**	**39**	**40**	27	**46**	**40**	**47**	31	PN, V
R2937	Residential	NCA02	32	**44**	**46**	**44**	26	**48**	**38**	**40**	27	**44**	**39**	**45**	29	PN, V
R2938	Residential	NCA02	32	**46**	**47**	**45**	28	**50**	**38**	**40**	28	**44**	**41**	**48**	29	PN, V
R2939	Residential	NCA02	33	**46**	**48**	**45**	28	**49**	**38**	**40**	28	**45**	**41**	**46**	30	PN, V
R2940	Residential	NCA02	**36**	**47**	**53**	**49**	34	**53**	**43**	**44**	32	**48**	**44**	**50**	33	PN, V, SN, RP, DR
R2941	Residential	NCA02	32	**48**	**47**	**43**	29	**53**	**37**	**39**	28	**44**	**39**	**45**	29	PN, V, SN, RP, DR
R2942	Residential	NCA02	**37**	**49**	**54**	**51**	**37**	**55**	**44**	**46**	34	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R2943	Residential	NCA02	33	**41**	**46**	**42**	29	**46**	**39**	**40**	28	**45**	**38**	**45**	30	PN, V
R2944	Residential	NCA02	29	**45**	**44**	**42**	27	**49**	35	**37**	26	**41**	**37**	**44**	26	PN, V
R2945	Residential	NCA02	**38**	**43**	**46**	**43**	28	**46**	**41**	**43**	33	**49**	**40**	**47**	35	PN, V
R2946	Residential	NCA02	30	**47**	**48**	**45**	30	**52**	**36**	**37**	26	**42**	**40**	**47**	27	PN, V, SN, RP, DR
R2947	Residential	NCA02	28	**45**	**45**	**42**	27	**47**	32	34	21	**39**	**36**	**43**	25	PN, V
R2948	Residential	NCA02	**37**	**43**	**45**	**43**	28	**45**	**39**	**41**	31	**48**	**39**	**46**	34	PN, V
R2949	Residential	NCA02	29	**41**	**39**	**37**	23	**43**	32	34	24	**40**	31	**38**	26	PN, V
R2950	Residential	NCA02	32	**48**	**54**	**50**	35	**54**	**38**	**41**	27	**44**	**45**	**52**	29	PN, V, SN, RP, DR
R2951	Residential	NCA02	**37**	**49**	**54**	**50**	**36**	**54**	**43**	**45**	34	**49**	**45**	**52**	34	PN, V, SN, RP, DR
R2952	Industrial	NCA02	26	38	42	39	24	43	32	34	22	38	34	39	23	-

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected Non-residential: Exceeds noise management level																
R2953	Active recreation	NCA02	26	37	39	36	22	42	31	33	21	38	32	39	23	-
R2954	Residential	NCA02	**37**	**42**	**46**	**43**	28	**47**	**41**	**43**	31	**48**	**39**	**46**	34	PN, V
R2955	Residential	NCA02	**38**	**43**	**44**	**42**	27	**44**	**41**	**43**	32	**49**	**40**	**47**	35	PN, V
R2956	Residential	NCA02	30	**43**	**45**	**42**	27	**45**	34	**36**	22	**42**	**37**	**43**	27	PN, V
R2957	Residential	NCA02	**38**	**43**	**45**	**42**	28	**45**	**41**	**43**	33	**49**	**40**	**47**	35	PN, V
R2958	Residential	NCA02	**37**	**48**	**53**	**50**	**36**	**54**	**43**	**45**	33	**48**	**45**	**52**	34	PN, V, SN, RP, DR
R2959	Residential	NCA02	**38**	**43**	**50**	**46**	31	**47**	**40**	**43**	32	**49**	**40**	**47**	35	PN, V
R2960	Residential	NCA02	30	**41**	**45**	**41**	28	**45**	**36**	**37**	23	**42**	**36**	**43**	27	PN, V
R2961	Residential	NCA02	33	**46**	**49**	**48**	31	**52**	**40**	**41**	28	**45**	**43**	**46**	30	PN, V, SN, RP, DR
R2962	Residential	NCA02	30	**45**	**39**	**37**	22	**48**	34	**36**	23	**42**	33	**40**	27	PN, V
R2963	Residential	NCA02	**37**	**45**	**49**	**45**	31	**49**	**41**	**43**	31	**48**	**40**	**48**	34	PN, V
R2964	Residential	NCA02	25	**40**	**40**	**37**	23	**44**	29	31	20	**36**	32	**39**	22	PN, V
R2965	Residential	NCA02	31	**47**	**48**	**45**	28	**52**	**37**	**38**	27	**43**	**40**	**47**	28	PN, V, SN, RP, DR
R2966	Residential	NCA02	32	**47**	**46**	**43**	27	**52**	**38**	**40**	27	**44**	**39**	**45**	29	PN, V, SN, RP, DR
R2967	Active recreation	NCA04	35	43	44	41	27	44	38	40	28	49	41	47	32	-
R2968	Residential	NCA02	32	**48**	**53**	**49**	**36**	**53**	**38**	**40**	27	**44**	**44**	**51**	29	PN, V, SN, RP, DR
R2969	Residential	NCA02	26	**36**	**37**	**36**	20	**40**	30	32	20	**38**	30	**37**	23	PN
R2970	Residential	NCA02	27	**39**	**40**	**37**	23	**42**	33	35	23	**39**	32	**39**	24	PN, V
R2971	Residential	NCA02	34	**48**	**53**	**49**	35	**53**	**41**	**43**	30	**46**	**44**	**51**	31	PN, V, SN, RP, DR
R2972	Residential	NCA02	28	**38**	**39**	**37**	22	**42**	35	**37**	23	**40**	33	**39**	25	PN, V
R2973	Residential	NCA02	33	**40**	**45**	**42**	27	**46**	**38**	**40**	27	**45**	**37**	**43**	30	PN, V
R2974	Residential	NCA02	34	**46**	**51**	**47**	33	**51**	**39**	**41**	29	**45**	**43**	**49**	31	PN, V, SN, RP, DR
R2975	Residential	NCA02	**38**	**43**	**43**	**45**	26	**43**	**41**	**43**	33	**49**	**40**	**47**	35	PN, V
R2976	Residential	NCA02	30	**42**	**45**	**41**	27	**46**	**37**	**39**	24	**42**	**37**	**43**	27	PN, V
R2977	Active recreation	NCA04	36	43	44	41	27	44	38	40	28	49	41	46	33	-
R2978	Active recreation	NCA02	40	45	49	47	32	50	43	45	34	51	43	50	37	-
R2979	Residential	NCA02	**37**	**46**	**51**	**46**	33	**51**	**42**	**44**	33	**48**	**43**	**48**	34	PN, V, SN, RP, DR
R2980	Residential	NCA02	30	**43**	**45**	**41**	27	**47**	35	**37**	23	**41**	**36**	**42**	27	PN, V
R2981	Residential	NCA02	29	**41**	**41**	**41**	24	**46**	34	**36**	25	**41**	**37**	**44**	26	PN, V
R2982	Residential	NCA02	**39**	**47**	**53**	**48**	33	**53**	**43**	**44**	33	**50**	**44**	**49**	**36**	PN, V, SN, RP, DR
R2983	Residential	NCA02	27	**41**	**45**	**43**	26	**47**	33	35	23	**39**	**37**	**43**	24	PN, V
R2984	Residential	NCA02	32	**43**	**45**	**42**	26	**46**	**37**	**39**	28	**44**	**37**	**43**	29	PN, V
R2985	Residential	NCA02	**37**	**45**	**49**	**46**	31	**49**	**41**	**43**	33	**48**	**41**	**48**	34	PN, V
R2986	Residential	NCA02	29	**39**	**40**	**37**	23	**42**	32	34	23	**40**	32	**40**	26	PN, V
R2987	Residential	NCA02	28	**38**	**39**	**38**	22	**41**	33	35	24	**40**	32	**38**	25	PN, V
R2988	Residential	NCA02	31	**46**	**44**	**42**	25	**51**	**37**	**39**	25	**43**	**39**	**46**	28	PN, V, SN, RP, DR
R2989	Residential	NCA02	27	**48**	**52**	**50**	35	**52**	35	**37**	24	**38**	**43**	**50**	24	PN, V, SN, RP, DR
R2990	Residential	NCA02	28	**38**	**40**	**36**	23	**44**	31	33	21	**39**	31	**38**	25	PN, V
R2991	Residential	NCA02	**38**	**43**	**46**	**42**	27	**46**	**41**	**43**	33	**49**	**40**	**47**	35	PN, V
R2992	Residential	NCA02	**38**	**48**	**54**	**50**	35	**54**	**43**	**45**	34	**49**	**45**	**52**	35	PN, V, SN, RP, DR
R2993	Residential	NCA02	33	**46**	**49**	**46**	30	**49**	**39**	**41**	28	**45**	**41**	**47**	30	PN, V
R2994	Residential	NCA02	33	**41**	**47**	**43**	30	**47**	**37**	**39**	26	**44**	**37**	**44**	30	PN, V
R2995	Residential	NCA02	**37**	**45**	**49**	**46**	32	**49**	**41**	**44**	33	**49**	**41**	**48**	34	PN, V
R2996	Residential	NCA02	**37**	**47**	**53**	**49**	35	**53**	**43**	**44**	33	**49**	**44**	**51**	34	PN, V, SN, RP, DR
R2997	Residential	NCA02	**38**	**44**	**47**	**44**	29	**47**	**41**	**43**	33	**49**	**40**	**47**	35	PN, V
R2998	Active recreation	NCA02	28	42	45	41	26	45	33	35	25	40	36	43	25	-
R2999	Residential	NCA02	34	**45**	**49**	**45**	30	**48**	**41**	**41**	30	**45**	**39**	**47**	31	PN, V
R3000	Residential	NCA02	27	**39**	**41**	**38**	22	**43**	32	34	23	**39**	33	**39**	24	PN, V
R3001	Residential	NCA02	33	**46**	**50**	**47**	32	**51**	**39**	**41**	27	**44**	**41**	**48**	30	PN, V
R3002	Residential	NCA02	30	**45**	**48**	**45**	31	**48**	35	**37**	25	**43**	**39**	**46**	27	PN, V
R3003	Residential	NCA02	**38**	**48**	**53**	**50**	35	**53**	**43**	**44**	34	**49**	**45**	**52**	35	PN, V, SN, RP, DR
R3004	Residential	NCA02	31	**46**	**49**	**46**	31	**50**	**37**	**39**	24	**43**	**41**	**47**	28	PN, V
R3005	Residential	NCA02	**38**	**48**	**54**	**50**	35	**54**	**43**	**45**	34	**49**	**45**	**51**	35	PN, V, SN, RP, DR
R3006	Residential	NCA02	**38**	**48**	**54**	**50**	**36**	**54**	**43**	**45**	33	**49**	**45**	**51**	35	PN, V, SN, RP, DR
R3007	Residential	NCA02	**38**	**44**	**45**	**42**	27	**45**	**42**	**44**	34	**50**	**41**	**48**	35	PN, V
R3008	Residential	NCA02	30	**44**	**46**	**45**	28	**47**	**37**	**40**	25	**41**	**38**	**45**	27	PN, V
R3009	Residential	NCA02	**36**	**47**	**54**	**50**	34	**53**	**42**	**44**	33	**47**	**44**	**50**	33	PN, V, SN, RP, DR
R3010	Residential	NCA02	**40**	**46**	**52**	**48**	34	**51**	**42**	**45**	34	**51**	**42**	**49**	**37**	PN, V, SN, RP, DR
R3011	Residential	NCA02	31	**47**	**47**	**44**	27	**52**	**37**	**39**	25	**44**	**39**	**47**	28	PN, V, SN, RP, DR
R3012	Residential	NCA02	28	**40**	**40**	**37**	23	**43**	31	33	22	**40**	32	**39**	25	PN, V
R3013	Residential	NCA02	26	**38**	**39**	**37**	22	**42**	30	32	22	**37**	32	**37**	23	PN, V
R3014	Active recreation	NCA02	39	44	50	46	32	50	42	44	34	50	42	48	36	-
R3015	Residential	NCA02	29	**41**	**41**	**38**	23	**47**	33	35	20	**40**	34	**41**	26	PN, V
R3016	Residential	NCA02	**37**	**48**	**54**	**50**	35	**54**	**43**	**46**	34	**49**	**44**	**51**	34	PN, V, SN, RP, DR
R3017	Residential	NCA02	**37**	**48**	**53**	**50**	**36**	**53**	**43**	**46**	33	**48**	**44**	**51**	34	PN, V, SN, RP, DR
R3018	Residential	NCA02	26	**38**	**42**	**40**	23	**44**	31	33	21	**38**	33	**40**	23	PN, V
R3019	Residential	NCA02	31	**39**	**42**	**38**	25	**44**	**36**	**38**	25	**43**	35	**42**	28	PN, V
R3020	Residential	NCA02	29	**38**	**40**	**38**	23	**40**	35	**37**	25	**42**	33	**40**	26	PN, V
R3021	Residential	NCA02	33	**47**	**51**	**47**	32	**51**	**40**	**42**	29	**44**	**42**	**49**	30	PN, V
R3022	Residential	NCA02	26	**36**	**40**	**36**	22	**41**	32	34	21	**37**	32	**39**	23	PN, V
R3023	Residential	NCA02	**36**	**48**	**53**	**50**	**36**	**54**	**42**	**44**	32	**47**	**45**	**51**	33	PN, V, SN, RP, DR
R3024	Residential	NCA02	30	**38**	**42**	**38**	25	**42**	34	35	22	**41**	33	**40**	27	PN, V
R3025	Residential	NCA02	**37**	**45**	**49**	**46**	31	**48**	**43**	**44**	32	**48**	**41**	**47**	34	PN, V
R3026	Residential	NCA02	27	**39**	**39**	**36**	21	**41**	31	33	21	**38**	31	**37**	24	PN, V
R3027	Residential	NCA02	**37**	**43**	**45**	**45**	28	**46**	**41**	**43**	33	**49**	**40**	**47**	34	PN, V
R3028	Residential	NCA02	**39**	**44**	**50**	**47**	32	**50**	**43**	**44**	34	**49**	**42**	**49**	**36**	PN, V
R3029	Residential	NCA02	25	**39**	**38**	35	20	**42**	29	31	20	**36**	29	35	22	PN, V
R3030	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	**41**	**42**	31	**46**	**43**	**48**	32	PN, V, SN, RP, DR
R3031	Residential	NCA02	28	**38**	**40**	**36**	22	**44**	32	34	19	**39**	32	**39**	25	PN, V
R3032	Residential	NCA02	30	**45**	**47**	**46**	26	**49**	**36**	**38**	24	**42**	**40**	**43**	27	PN, V
R3033	Residential	NCA02	**38**	**44**	**49**	**45**	32	**49**	**38**	**40**	29	**48**	**40**	**47**	35	PN, V
R3034	Residential	NCA02	35	**47**	**52**	**49**	35	**52**	**42**	**44**	33	**47**	**44**	**50**	32	PN, V, SN, RP, DR
R3035	Residential	NCA02	25	35	**36**	35	19	**39**	27	29	18	**36**	28	34	22	PN
R3036	Active recreation	NCA02	25	37	38	36	21	41	30	32	21	37	30	37	22	-
R3037	Residential	NCA02	31	**46**	**43**	**41**	25	**52**	**36**	**38**	25	**43**	**38**	**43**	28	PN, V, SN, RP, DR
R3038	Residential	NCA02	**37**	**44**	**51**	**47**	33	**51**	**41**	**43**	31	**48**	**42**	**48**	34	PN, V, SN, RP, DR
R3039	Residential	NCA02	29	**44**	**42**	**39**	24	**45**	34	**36**	25	**41**	35	**41**	26	PN, V
R3040	Residential	NCA02	35	**46**	**52**	**48**	33	**52**	**41**	**43**	31	**47**	**43**	**48**	32	PN, V, SN, RP, DR
R3041	Residential	NCA02	**39**	**43**	**47**	**45**	30	**47**	**41**	**43**	33	**49**	**41**	**47**	**36**	PN, V
R3042	Residential	NCA02	35	**47**	**51**	**47**	34	**51**	**42**	**43**	31	**47**	**42**	**47**	32	PN, V, SN, RP, DR
R3043	Residential	NCA02	32	**42**	**44**	**41**	26	**45**	**38**	**40**	27	**44**	**37**	**43**	29	PN, V
R3044	Residential	NCA02	28	**39**	**39**	**36**	22	**42**	31	33	22	**40**	30	**38**	25	PN, V
R3045	Residential	NCA02	22	35	**37**	35	20	**40**	26	28	16	34	28	35	19	PN
R3046	Residential	NCA02	**39**	**45**	**48**	**46**	31	**48**	**43**	**44**	34	**49**	**42**	**48**	**36**	PN, V
R3047	Residential	NCA02	**39**	**46**	**51**	**47**	34	**51**	**43**	**45**	34	**50**	**42**	**49**	**36**	PN, V, SN, RP, DR

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3048	Residential	NCA02	33	**45**	**49**	**46**	32	**49**	**39**	**39**	28	**45**	**40**	**47**	30	PN, V
R3049	Residential	NCA02	31	**45**	**50**	**46**	31	**50**	**37**	**39**	26	**43**	**41**	**46**	28	PN, V
R3050	Residential	NCA02	**37**	**45**	**49**	**45**	31	**49**	**42**	**43**	33	**48**	**41**	**48**	34	PN, V
R3051	Residential	NCA02	34	**47**	**52**	**48**	33	**53**	**41**	**43**	31	**46**	**43**	**50**	31	PN, V, SN, RP, DR
R3052	Residential	NCA02	22	34	**37**	34	19	**39**	29	31	18	33	28	35	19	PN
R3053	Residential	NCA02	**38**	**45**	**47**	**46**	28	**47**	**43**	**44**	33	**50**	**42**	**48**	35	PN, V
R3054	Residential	NCA02	**38**	**45**	**51**	**47**	34	**51**	**43**	**45**	34	**50**	**42**	**49**	35	PN, V, SN, RP, DR
R3055	Residential	NCA02	34	**47**	**53**	**49**	35	**53**	**40**	**42**	30	**46**	**43**	**49**	31	PN, V, SN, RP, DR
R3056	Residential	NCA02	25	**39**	**38**	**36**	21	**42**	29	31	18	**37**	29	**36**	22	PN, V
R3057	Residential	NCA02	31	**44**	**43**	**42**	25	**48**	35	**37**	24	**43**	**37**	**44**	28	PN, V
R3058	Residential	NCA02	**38**	**47**	**52**	**49**	34	**52**	**44**	**46**	34	**50**	**43**	**50**	35	PN, V, SN, RP, DR
R3059	Residential	NCA02	28	**38**	**38**	**36**	20	**42**	31	33	22	**40**	30	**37**	25	PN, V
R3060	Residential	NCA02	**39**	**45**	**52**	**48**	33	**51**	**42**	**45**	33	**50**	**42**	**48**	**36**	PN, V, SN, RP, DR
R3061	Residential	NCA02	34	**46**	**52**	**48**	33	**51**	**41**	**42**	30	**46**	**43**	**49**	31	PN, V, SN, RP, DR
R3062	Residential	NCA02	28	**38**	**39**	**37**	22	**42**	32	34	24	**40**	31	**39**	25	PN, V
R3063	Residential	NCA02	31	**45**	**43**	**43**	25	**50**	**36**	**38**	26	**43**	**38**	**45**	28	PN, V
R3064	Residential	NCA02	**38**	**45**	**46**	**46**	29	**46**	**43**	**45**	33	**51**	**41**	**48**	35	PN, V
R3065	Residential	NCA02	30	**39**	**40**	**36**	22	**43**	33	35	21	**41**	33	**39**	27	PN, V
R3066	Residential	NCA02	23	34	**36**	34	19	**39**	27	29	15	34	27	33	20	PN
R3067	Residential	NCA02	32	**41**	**46**	**43**	30	**46**	**37**	**39**	28	**44**	**37**	**44**	29	PN, V
R3068	Residential	NCA02	22	35	**37**	34	20	**39**	26	28	18	34	28	35	19	PN
R3069	Residential	NCA02	29	**41**	**42**	**40**	23	**45**	34	**36**	25	**41**	35	**42**	26	PN, V
R3070	Residential	NCA02	**37**	**43**	**47**	**45**	30	**47**	**41**	**43**	33	**48**	**40**	**47**	34	PN, V
R3071	Residential	NCA02	**39**	**47**	**53**	**49**	35	**53**	**42**	**44**	33	**50**	**44**	**49**	**36**	PN, V, SN, RP, DR
R3072	Residential	NCA02	31	**42**	**47**	**43**	30	**47**	33	35	21	**41**	**38**	**43**	28	PN, V
R3073	Residential	NCA02	35	**46**	**50**	**47**	31	**50**	**37**	**38**	28	**46**	**42**	**47**	32	PN, V
R3074	Residential	NCA02	**41**	**44**	**47**	**46**	29	**46**	**42**	**44**	34	**51**	**42**	**49**	**38**	PN, V, SN, RP, DR
R3075	Residential	NCA02	27	**42**	**45**	**42**	26	**47**	33	35	24	**39**	**36**	**42**	24	PN, V
R3076	Residential	NCA02	**39**	**45**	**47**	**46**	30	**47**	**43**	**45**	33	**50**	**42**	**49**	**36**	PN, V
R3077	Residential	NCA02	**39**	**46**	**52**	**48**	34	**51**	**42**	**45**	34	**50**	**43**	**49**	**36**	PN, V, SN, RP, DR
R3078	Residential	NCA02	33	**45**	**48**	**44**	30	**48**	**39**	**40**	28	**45**	**39**	**45**	30	PN, V
R3079	Residential	NCA02	24	**39**	**43**	**41**	24	**45**	29	31	20	**36**	35	**41**	21	PN, V
R3080	Residential	NCA02	25	**36**	**38**	**36**	21	**40**	28	32	20	**37**	31	**37**	22	PN
R3081	Residential	NCA02	34	**45**	**51**	**48**	32	**51**	**40**	**41**	30	**46**	**41**	**47**	31	PN, V, SN, RP, DR
R3082	Active recreation	NCA04	37	42	42	39	25	42	35	37	26	46	38	42	34	-
R3083	Residential	NCA02	**38**	**46**	**51**	**48**	34	**51**	**43**	**45**	33	**50**	**42**	**49**	35	PN, V, SN, RP, DR
R3084	Residential	NCA02	26	**38**	**43**	**40**	25	**43**	31	33	21	**38**	34	**41**	23	PN, V
R3085	Residential	NCA02	27	**36**	**37**	35	20	**40**	33	35	23	**39**	32	**39**	24	PN
R3086	Residential	NCA02	33	**46**	**50**	**47**	31	**50**	**40**	**41**	29	**45**	**42**	**47**	30	PN, V
R3087	Residential	NCA02	24	**39**	**41**	**38**	22	**43**	28	30	20	35	33	**40**	21	PN, V
R3088	Residential	NCA02	29	**40**	**41**	**38**	24	**45**	34	**36**	23	**40**	33	**39**	26	PN, V
R3089	Residential	NCA02	**38**	**45**	**51**	**47**	34	**51**	**42**	**43**	31	**49**	**42**	**47**	35	PN, V, SN, RP, DR
R3090	Residential	NCA02	24	35	**37**	34	19	**39**	28	30	19	**36**	28	34	21	PN
R3091	Residential	NCA02	31	**44**	**46**	**42**	28	**47**	**37**	**38**	26	**43**	**37**	**43**	28	PN, V
R3092	Residential	NCA02	**39**	**45**	**48**	**46**	29	**48**	**42**	**44**	33	**53**	**44**	**50**	**36**	PN, V, SN, RP, DR
R3093	Residential	NCA02	26	**39**	**38**	**36**	21	**41**	30	32	18	**37**	29	**36**	23	PN, V
R3094	Residential	NCA02	22	32	**36**	32	19	**37**	27	29	18	34	27	34	19	PN
R3095	Residential	NCA02	30	**46**	**43**	**42**	25	**52**	**37**	**38**	24	**42**	**37**	**44**	27	PN, V, SN, RP, DR
R3096	Residential	NCA02	32	**40**	**44**	**41**	27	**44**	**38**	**39**	27	**44**	**36**	**43**	29	PN, V
R3097	Residential	NCA02	28	**38**	**39**	**36**	22	**42**	31	34	22	**40**	31	**38**	25	PN, V
R3098	Residential	NCA02	32	**45**	**47**	**45**	29	**47**	**39**	**40**	28	**44**	**39**	**44**	29	PN, V
R3099	Residential	NCA02	30	**43**	**48**	**44**	28	**48**	**37**	**39**	25	**42**	**39**	**46**	27	PN, V
R3100	Residential	NCA02	28	**43**	**44**	**41**	26	**46**	33	35	24	**40**	**36**	**42**	25	PN, V
R3101	Residential	NCA02	32	**42**	**44**	**42**	26	**45**	**38**	**40**	27	**44**	**37**	**44**	29	PN, V
R3102	Residential	NCA02	**41**	**45**	**50**	**47**	33	**50**	**44**	**46**	34	**52**	**43**	**50**	**38**	PN, V, SN, RP, DR
R3103	Residential	NCA02	32	**42**	**42**	**40**	25	**46**	**38**	**40**	27	**44**	**37**	**44**	29	PN, V
R3104	Residential	NCA02	30	**43**	**43**	**41**	24	**48**	**36**	**38**	25	**42**	**36**	**43**	27	PN, V
R3105	Residential	NCA02	**40**	**44**	**48**	**45**	31	**48**	**41**	**43**	32	**51**	**41**	**48**	**37**	PN, V, SN, RP, DR
R3106	Residential	NCA02	31	**45**	**44**	**40**	25	**51**	**37**	**38**	25	**43**	**37**	**44**	28	PN, V, SN, RP, DR
R3107	Residential	NCA02	32	**44**	**47**	**43**	29	**47**	**37**	**39**	25	**43**	**38**	**43**	29	PN, V
R3108	Residential	NCA02	27	**36**	**38**	35	20	**39**	31	33	20	**39**	30	**37**	24	PN
R3109	Residential	NCA02	28	**38**	**41**	**37**	22	**44**	31	33	20	**39**	33	**39**	25	PN, V
R3110	Residential	NCA02	34	**42**	**47**	**43**	28	**47**	**37**	**39**	28	**46**	**38**	**44**	31	PN, V
R3111	Residential	NCA02	**36**	**46**	**52**	**48**	33	**52**	**42**	**44**	31	**48**	**43**	**49**	33	PN, V, SN, RP, DR
R3112	Residential	NCA02	28	**44**	**43**	**40**	24	**45**	34	**36**	24	**40**	35	**42**	25	PN, V
R3113	Residential	NCA02	28	**36**	**40**	**36**	23	**40**	34	35	21	**40**	32	**38**	25	PN
R3114	Residential	NCA02	25	**41**	**40**	**37**	21	**44**	26	28	17	**36**	31	**38**	22	PN, V
R3115	Residential	NCA02	29	**42**	**42**	**39**	24	**45**	34	**36**	24	**41**	35	**41**	26	PN, V
R3116	Residential	NCA02	26	**37**	**38**	35	21	**41**	29	31	19	**36**	32	**39**	23	PN
R3117	Residential	NCA02	32	**45**	**49**	**46**	31	**49**	**39**	**41**	28	**43**	**40**	**47**	29	PN, V
R3118	Residential	NCA02	31	**40**	**44**	**40**	26	**44**	34	**36**	23	**42**	35	**40**	28	PN, V
R3119	Residential	NCA02	35	**46**	**51**	**49**	34	**52**	**41**	**43**	31	**47**	**42**	**50**	32	PN, V, SN, RP, DR
R3120	Residential	NCA02	**37**	**46**	**51**	**48**	34	**51**	**36**	**38**	27	**45**	**43**	**49**	34	PN, V, SN, RP, DR
R3121	Residential	NCA02	**39**	**43**	**47**	**45**	29	**47**	**41**	**43**	32	**50**	**42**	**48**	**36**	PN, V
R3122	Residential	NCA02	**36**	**46**	**50**	**47**	32	**51**	**42**	**44**	32	**48**	**41**	**48**	33	PN, V, SN, RP, DR
R3123	Residential	NCA02	33	**42**	**45**	**43**	29	**47**	**36**	**38**	27	**44**	**38**	**43**	30	PN, V
R3124	Residential	NCA02	27	**42**	**45**	**42**	26	**46**	33	35	24	**39**	**36**	**43**	24	PN, V
R3125	Residential	NCA02	33	**42**	**47**	**43**	28	**47**	**36**	**39**	28	**44**	**38**	**43**	30	PN, V
R3126	Residential	NCA02	**41**	**45**	**48**	**46**	31	**48**	**43**	**46**	34	**52**	**43**	**50**	**38**	PN, V, SN, RP, DR
R3127	Residential	NCA02	27	**38**	**39**	**37**	21	**43**	33	34	21	**39**	32	**39**	24	PN, V
R3128	Residential	NCA02	**38**	**43**	**47**	**44**	29	**47**	**41**	**43**	32	**49**	**40**	**47**	35	PN, V
R3129	Residential	NCA02	28	**38**	**39**	**37**	22	**42**	33	35	21	**40**	32	**39**	25	PN, V
R3130	Residential	NCA02	30	**43**	**42**	**40**	25	**51**	**36**	**38**	26	**42**	**36**	**43**	27	PN, V
R3131	Residential	NCA02	26	**37**	**38**	35	20	**42**	29	31	18	**37**	29	**36**	23	PN, V
R3132	Residential	NCA02	35	**45**	**51**	**48**	34	**51**	**41**	**43**	32	**47**	**42**	**49**	32	PN, V, SN, RP, DR
R3133	Residential	NCA02	31	**44**	**43**	**41**	25	**48**	**36**	**38**	24	**43**	**36**	**43**	28	PN, V
R3134	Residential	NCA02	31	**42**	**42**	**40**	24	**48**	**36**	**38**	25	**43**	**36**	**42**	28	PN, V
R3135	Residential	NCA02	26	**36**	**38**	**36**	21	**41**	31	33	20	**38**	30	**37**	23	PN, V
R3136	Residential	NCA02	27	**39**	**42**	**39**	24	**44**	33	35	24	**39**	34	**41**	24	PN, V
R3137	Residential	NCA02	**36**	**45**	**51**	**47**	33	**51**	**41**	**43**	32	**47**	**42**	**49**	33	PN, V, SN, RP, DR
R3138	Residential	NCA02	28	**43**	**42**	**41**	24	**45**	34	**36**	25	**40**	35	**42**	25	PN, V
R3139	Residential	NCA02	24	34	**38**	35	22	**39**	31	32	17	**36**	29	**37**	21	PN
R3140	Residential	NCA02	29	**40**	**46**	**42**	28	**45**	32	33	20	**41**	**36**	**42**	26	PN, V
R3141	Residential	NCA02	25	**37**	**38**	35	21	**41**	30	32	21	**37**	30	**37**	22	PN, V
R3142	Residential	NCA02	**38**	**44**	**45**	**45**	28	**46**	**42**	**44**	33	**49**	**41**	**47**	35	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3143	Residential	NCA02	32	**40**	**46**	**43**	30	**46**	35	**38**	25	**44**	**37**	**43**	29	PN, V
R3144	Residential	NCA02	35	**45**	**49**	**45**	30	**48**	**40**	**41**	30	**46**	**40**	**46**	32	PN, V
R3145	Residential	NCA02	26	**38**	**38**	35	21	**43**	31	33	19	**38**	31	**37**	23	PN, V
R3146	Residential	NCA02	26	32	33	31	16	**37**	26	28	16	**36**	27	33	23	PN
R3147	Residential	NCA02	27	35	**38**	34	20	**41**	31	33	20	**39**	31	**38**	24	PN, V
R3148	Residential	NCA02	**37**	**42**	**45**	**44**	27	**46**	**41**	**42**	32	**48**	**40**	**47**	34	PN, V
R3149	Residential	NCA02	34	**43**	**45**	**41**	28	**45**	**38**	**39**	27	**45**	**36**	**43**	31	PN, V
R3150	Residential	NCA02	27	**38**	**38**	35	21	**43**	33	34	21	**39**	32	**37**	24	PN, V
R3151	Residential	NCA02	30	**46**	**46**	**44**	27	**52**	**36**	**38**	26	**42**	**39**	**45**	27	PN, V, SN, RP, DR
R3152	Residential	NCA02	28	**41**	**45**	**42**	26	**47**	34	**36**	25	**40**	**36**	**42**	25	PN, V
R3153	Residential	NCA02	35	**46**	**52**	**48**	34	**52**	**41**	**42**	30	**46**	**43**	**50**	32	PN, V, SN, RP, DR
R3154	Residential	NCA02	33	**43**	**43**	**41**	25	**48**	**38**	**40**	28	**44**	**37**	**43**	30	PN, V
R3155	Residential	NCA02	32	**40**	**46**	**42**	28	**46**	**36**	**38**	24	**44**	**36**	**43**	29	PN, V
R3156	Residential	NCA02	30	**37**	**40**	**37**	23	**40**	35	**37**	24	**42**	34	**41**	27	PN, V
R3157	Residential	NCA02	28	**37**	**39**	**37**	21	**41**	32	34	22	**40**	32	**38**	25	PN, V
R3158	Residential	NCA02	30	**45**	**46**	**43**	26	**50**	**36**	**38**	26	**42**	**38**	**45**	27	PN, V
R3159	Residential	NCA02	**37**	**43**	**47**	**45**	29	**46**	**42**	**44**	33	**48**	**40**	**47**	34	PN, V
R3160	Residential	NCA02	33	**42**	**43**	**40**	24	**43**	**38**	**40**	27	**45**	**37**	**43**	30	PN, V
R3161	Residential	NCA02	34	**46**	**51**	**47**	34	**51**	**39**	**41**	30	**46**	**42**	**49**	31	PN, V, SN, RP, DR
R3162	Residential	NCA02	31	**40**	**46**	**42**	29	**46**	**37**	**37**	24	**43**	**37**	**41**	28	PN, V
R3163	Residential	NCA02	30	**41**	**39**	**37**	21	**46**	33	35	23	**41**	33	**40**	27	PN, V
R3164	Residential	NCA02	**37**	**43**	**47**	**43**	30	**47**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3165	Residential	NCA02	26	35	**36**	33	18	**39**	27	29	17	**37**	28	35	23	PN
R3166	Residential	NCA02	33	**45**	**48**	**45**	30	**48**	**38**	**41**	27	**45**	**40**	**46**	30	PN, V
R3167	Residential	NCA02	27	**36**	**38**	34	20	**40**	30	32	19	**38**	30	**37**	24	PN
R3168	Residential	NCA02	23	**37**	**38**	35	21	**42**	28	30	19	**36**	29	**36**	20	PN, V
R3169	Residential	NCA02	30	**38**	**42**	**40**	24	**42**	35	**37**	23	**41**	34	**40**	27	PN, V
R3170	Residential	NCA02	24	**38**	**41**	**37**	23	**44**	29	31	18	**36**	32	**39**	21	PN, V
R3171	Residential	NCA02	26	**36**	**37**	33	20	**40**	32	34	20	**39**	30	**37**	23	PN
R3172	Residential	NCA02	24	34	**37**	33	19	**38**	29	31	18	**36**	31	**38**	21	PN
R3173	Residential	NCA02	24	**38**	**39**	**36**	22	**41**	28	30	19	**36**	31	**36**	21	PN, V
R3174	Residential	NCA02	23	**36**	**37**	34	20	**39**	27	29	17	35	29	35	20	PN
R3175	Residential	NCA02	29	**36**	**40**	**36**	22	**44**	34	35	22	**40**	33	**40**	26	PN, V
R3176	Residential	NCA02	30	**39**	**40**	**37**	24	**43**	35	**37**	24	**42**	34	**41**	27	PN, V
R3177	Residential	NCA02	30	**42**	**48**	**44**	29	**48**	33	35	24	**41**	**39**	**46**	27	PN, V
R3178	Residential	NCA02	33	**45**	**49**	**45**	31	**49**	**39**	**40**	28	**45**	**40**	**46**	30	PN, V
R3179	Residential	NCA02	29	**43**	**44**	**43**	26	**47**	35	**36**	25	**41**	**36**	**43**	26	PN, V
R3180	Residential	NCA02	**39**	**44**	**49**	**46**	31	**49**	**43**	**45**	33	**50**	**42**	**49**	**36**	PN, V
R3181	Residential	NCA02	32	**44**	**50**	**47**	33	**50**	**40**	**41**	29	**44**	**41**	**46**	29	PN, V
R3182	Residential	NCA02	25	**37**	**37**	34	19	**41**	28	30	17	**37**	30	**37**	22	PN, V
R3183	Residential	NCA02	24	**36**	**37**	34	20	**41**	26	28	17	35	30	**37**	21	PN
R3184	Residential	NCA02	24	**37**	**37**	**36**	20	**40**	29	31	17	**36**	31	**38**	21	PN
R3185	Residential	NCA02	26	**37**	**38**	35	21	**41**	31	33	22	**38**	31	**37**	23	PN, V
R3186	Residential	NCA02	32	**41**	**44**	**40**	26	**44**	**38**	**40**	27	**44**	**36**	**43**	29	PN, V
R3187	Residential	NCA02	26	34	**36**	33	19	**39**	31	33	19	**38**	30	**36**	23	PN
R3188	Residential	NCA02	**36**	**43**	**47**	**43**	29	**47**	**41**	**43**	32	**49**	**40**	**46**	33	PN, V
R3189	Residential	NCA02	31	**41**	**43**	**40**	25	**45**	**37**	**39**	23	**42**	**38**	**42**	28	PN, V
R3190	Residential	NCA02	24	**37**	**38**	35	20	**40**	29	31	17	**36**	32	**38**	21	PN
R3191	Residential	NCA02	33	**42**	**46**	**42**	29	**46**	**39**	**41**	28	**45**	**38**	**44**	30	PN, V
R3192	Residential	NCA02	26	**41**	**44**	**41**	25	**47**	32	34	23	**38**	**36**	**42**	23	PN, V
R3193	Residential	NCA02	**36**	**41**	**46**	**42**	29	**45**	**39**	**41**	31	**47**	**38**	**45**	33	PN, V
R3194	Residential	NCA02	**36**	**42**	**43**	**43**	25	**42**	**40**	**42**	31	**48**	**39**	**46**	33	PN, V
R3195	Residential	NCA02	26	**37**	**38**	**36**	20	**43**	31	33	19	**38**	32	**38**	23	PN, V
R3196	Residential	NCA02	30	**39**	**43**	**39**	25	**43**	**36**	**38**	24	**41**	35	**40**	27	PN, V
R3197	Residential	NCA02	26	35	**37**	35	19	**40**	31	33	22	**38**	31	**37**	23	PN
R3198	Residential	NCA02	**39**	**43**	**49**	**45**	31	**49**	**42**	**43**	33	**50**	**41**	**49**	**36**	PN, V
R3199	Residential	NCA02	25	33	**38**	34	21	**38**	30	32	19	**37**	29	**36**	22	PN
R3200	Residential	NCA02	28	**38**	**39**	**37**	21	**41**	32	34	22	**40**	34	**40**	25	PN, V
R3201	Residential	NCA02	29	**41**	**42**	**40**	24	**46**	34	**36**	24	**41**	35	**42**	26	PN, V
R3202	Residential	NCA02	32	**42**	**46**	**43**	27	**46**	**38**	**40**	28	**44**	**38**	**43**	29	PN, V
R3203	Residential	NCA02	33	**42**	**45**	**42**	28	**45**	**38**	**40**	28	**45**	**37**	**43**	30	PN, V
R3204	Residential	NCA02	**38**	**43**	**49**	**45**	31	**49**	**41**	**44**	32	**50**	**40**	**47**	35	PN, V
R3205	Residential	NCA02	27	**42**	**44**	**42**	26	**45**	33	35	24	**39**	**36**	**42**	24	PN, V
R3206	Residential	NCA02	**41**	**45**	**49**	**46**	32	**49**	**43**	**45**	33	**52**	**43**	**50**	**38**	PN, V, SN, RP, DR
R3207	Residential	NCA02	26	35	35	31	18	**38**	29	31	18	**37**	29	**36**	23	PN
R3208	Residential	NCA02	24	**36**	**37**	34	20	**39**	30	32	18	**36**	30	**37**	21	PN
R3209	Residential	NCA02	**36**	**41**	**44**	**43**	25	**44**	**39**	**41**	31	**48**	**39**	**46**	33	PN, V
R3210	Residential	NCA02	34	**44**	**47**	**44**	29	**47**	**37**	**39**	29	**46**	**38**	**44**	31	PN, V
R3211	Residential	NCA02	28	**41**	**44**	**40**	25	**44**	34	**37**	23	**40**	35	**41**	25	PN, V
R3212	Residential	NCA02	26	**41**	**45**	**42**	26	**45**	31	32	20	**38**	**37**	**43**	23	PN, V
R3213	Residential	NCA02	35	**44**	**49**	**45**	30	**49**	**41**	**42**	31	**47**	**40**	**46**	32	PN, V
R3214	Residential	NCA02	24	32	35	32	18	**37**	24	26	15	34	27	34	21	PN
R3215	Residential	NCA02	25	**39**	**42**	**38**	20	**43**	31	32	19	**37**	33	**37**	22	PN, V
R3216	Residential	NCA02	**36**	**42**	**48**	**44**	30	**48**	**39**	**42**	31	**48**	**39**	**46**	33	PN, V
R3217	Residential	NCA02	28	**42**	**42**	**40**	24	**48**	32	34	20	**39**	**36**	**43**	25	PN, V
R3218	Residential	NCA02	34	**41**	**46**	**43**	27	**46**	**38**	**40**	29	**46**	**37**	**44**	31	PN, V
R3219	Residential	NCA02	28	**37**	**40**	**37**	21	**41**	33	35	23	**40**	34	**41**	25	PN, V
R3220	Residential	NCA02	**40**	**43**	**49**	**45**	32	**49**	**41**	**43**	33	**52**	**43**	**49**	**37**	PN, V, SN, RP, DR
R3221	Residential	NCA02	31	**42**	**42**	**40**	24	**43**	**37**	**39**	26	**43**	**36**	**42**	28	PN, V
R3222	Residential	NCA02	28	35	**38**	35	21	**39**	33	34	21	**40**	31	**39**	25	PN
R3223	Residential	NCA02	34	**43**	**45**	**44**	28	**47**	**37**	**39**	28	**45**	**39**	**46**	31	PN, V
R3224	Residential	NCA02	30	**44**	**46**	**43**	27	**50**	**36**	**38**	26	**42**	**38**	**44**	27	PN, V
R3225	Residential	NCA02	28	**43**	**43**	**41**	24	**45**	34	35	24	**40**	34	**40**	25	PN, V
R3226	Residential	NCA02	29	35	**37**	33	20	**37**	32	34	21	**41**	32	**39**	26	PN, V
R3227	Residential	NCA02	26	**37**	**37**	34	19	**40**	31	34	20	**37**	30	**36**	23	PN
R3228	Residential	NCA02	**38**	**43**	**48**	**45**	31	**48**	**41**	**43**	32	**49**	**40**	**46**	35	PN, V
R3229	Residential	NCA02	25	**37**	**37**	34	20	**40**	28	30	17	**36**	28	35	22	PN
R3230	Residential	NCA02	**36**	**42**	**47**	**44**	30	**47**	**39**	**41**	31	**47**	**38**	**45**	33	PN, V
R3231	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	**39**	**41**	29	**46**	**40**	**48**	32	PN, V
R3232	Residential	NCA02	30	**42**	**42**	**41**	24	**46**	35	**37**	23	**41**	**37**	**42**	27	PN, V
R3233	Residential	NCA02	27	**36**	**37**	**36**	20	**39**	31	33	21	**39**	30	**37**	24	PN
R3234	Residential	NCA02	34	**40**	**44**	**41**	26	**45**	**37**	**39**	29	**46**	**37**	**44**	31	PN, V
R3235	Residential	NCA02	33	**42**	**45**	**42**	28	**46**	**36**	**38**	27	**45**	**37**	**43**	30	PN, V
R3236	Residential	NCA02	33	**43**	**49**	**45**	30	**49**	**39**	**40**	29	**45**	**39**	**45**	30	PN, V
R3237	Residential	NCA02	25	33	35	32	18	**39**	26	29	15	35	27	34	22	PN

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3238	Residential	NCA02	34	**44**	**49**	**46**	30	**49**	**38**	**40**	29	**46**	**40**	**47**	31	PN, V
R3239	Residential	NCA02	33	**44**	**47**	**43**	30	**47**	**39**	**40**	30	**45**	**38**	**45**	30	PN, V
R3240	Residential	NCA02	**36**	**40**	**46**	**43**	29	**46**	**38**	**40**	30	**47**	**38**	**45**	33	PN, V
R3241	Residential	NCA02	35	**45**	**50**	**46**	32	**50**	**40**	**42**	31	**47**	**41**	**48**	32	PN, V
R3242	Residential	NCA02	27	34	**37**	34	20	**41**	32	34	21	**40**	31	**38**	24	PN, V
R3243	Residential	NCA02	**36**	**43**	**48**	**45**	30	**47**	**41**	**43**	32	**48**	**40**	**47**	33	PN, V
R3244	Residential	NCA02	34	**43**	**48**	**44**	30	**48**	**38**	**40**	29	**45**	**39**	**45**	31	PN, V
R3245	Residential	NCA02	27	**39**	**40**	**38**	22	**42**	33	34	21	**39**	34	**40**	24	PN, V
R3246	Residential	NCA02	24	30	33	30	16	35	25	29	14	**36**	27	34	21	PN
R3247	Residential	NCA02	32	**41**	**43**	**41**	26	**44**	33	35	25	**44**	35	**42**	29	PN, V
R3248	Residential	NCA02	35	**41**	**45**	**43**	27	**44**	**40**	**42**	31	**47**	**38**	**45**	32	PN, V
R3249	Residential	NCA02	25	34	**37**	35	19	**40**	28	30	17	**36**	30	**38**	22	PN
R3250	Residential	NCA02	33	**43**	**48**	**44**	30	**48**	**37**	**39**	25	**44**	**39**	**44**	30	PN, V
R3251	Residential	NCA02	29	**39**	**39**	**36**	21	**44**	34	**36**	24	**41**	33	**39**	26	PN, V
R3252	Residential	NCA02	31	**42**	**42**	**40**	25	**47**	**36**	**38**	25	**42**	35	**41**	28	PN, V
R3253	Residential	NCA02	29	**41**	**46**	**43**	30	**47**	34	**36**	24	**41**	**38**	**45**	26	PN, V
R3254	Residential	NCA02	**36**	**42**	**43**	**44**	25	**42**	**40**	**42**	31	**47**	**39**	**46**	33	PN, V
R3255	Residential	NCA02	26	35	**36**	33	19	**38**	30	32	19	**38**	29	**36**	23	PN
R3256	Residential	NCA02	27	**37**	**39**	**36**	21	**40**	32	34	23	**39**	31	**38**	24	PN
R3257	Industrial	NCA02	36	44	49	47	31	49	40	42	30	47	41	46	33	-
R3258	Residential	NCA02	32	**44**	**46**	**41**	26	**46**	**36**	**37**	24	**43**	**36**	**42**	29	PN, V
R3259	Residential	NCA02	27	**38**	**39**	**36**	21	**40**	30	33	20	**39**	31	**37**	24	PN
R3260	Residential	NCA02	22	**38**	**37**	**36**	19	**41**	26	28	18	34	30	35	19	PN
R3261	Residential	NCA02	28	**39**	**39**	**37**	22	**44**	33	35	22	**40**	33	**40**	25	PN, V
R3262	Residential	NCA02	29	**36**	**41**	**37**	24	**41**	34	34	23	**41**	33	**40**	26	PN, V
R3263	Residential	NCA02	33	**42**	**45**	**41**	28	**45**	**38**	**40**	28	**44**	**37**	**44**	30	PN, V
R3264	Residential	NCA02	32	**42**	**45**	**41**	27	**44**	**38**	**39**	27	**44**	**37**	**42**	29	PN, V
R3265	Residential	NCA02	28	**41**	**42**	**40**	24	**46**	32	34	22	**40**	35	**42**	25	PN, V
R3266	Residential	NCA02	**36**	**41**	**42**	**44**	25	**42**	**40**	**41**	31	**47**	**38**	**45**	33	PN, V
R3267	Residential	NCA02	26	35	**37**	35	19	**39**	31	33	20	**39**	30	**37**	23	PN
R3268	Residential	NCA02	25	**41**	**46**	**41**	28	**46**	28	31	18	35	35	**42**	22	PN, V
R3269	Residential	NCA02	26	**36**	**37**	**37**	20	**37**	31	33	21	**38**	31	**38**	23	PN
R3270	Residential	NCA02	30	**43**	**43**	**39**	25	**48**	**37**	**38**	25	**42**	35	**41**	27	PN, V
R3271	Residential	NCA02	28	**39**	**41**	**39**	23	**43**	34	**36**	24	**40**	35	**43**	25	PN, V
R3272	Residential	NCA02	32	**43**	**44**	**42**	27	**45**	**36**	**38**	25	**44**	**36**	**42**	29	PN, V
R3273	Residential	NCA02	24	33	**36**	32	19	**38**	27	29	15	35	26	34	21	PN
R3274	Residential	NCA02	29	**43**	**45**	**41**	26	**50**	35	**37**	24	**41**	**36**	**42**	26	PN, V
R3275	Residential	NCA02	31	**40**	**44**	**40**	24	**44**	**36**	**38**	26	**43**	35	**42**	28	PN, V
R3276	Residential	NCA02	23	29	33	29	17	35	25	27	16	35	26	33	20	-
R3277	Residential	NCA02	30	**38**	**42**	**38**	23	**42**	34	**36**	23	**42**	33	**40**	27	PN, V
R3278	Residential	NCA02	26	**37**	**38**	**36**	21	**40**	32	34	22	**38**	31	**38**	23	PN
R3279	Residential	NCA02	27	**36**	**38**	**36**	20	**42**	32	34	20	**39**	31	**38**	24	PN, V
R3280	Residential	NCA02	22	35	**36**	34	19	**38**	29	31	16	34	29	35	19	PN
R3281	Residential	NCA02	32	**40**	**44**	**40**	25	**44**	**38**	**39**	27	**43**	**36**	**43**	29	PN, V
R3282	Residential	NCA02	26	**37**	**37**	34	19	**41**	30	32	19	**37**	29	35	23	PN, V
R3283	Residential	NCA02	31	**39**	**45**	**41**	28	**45**	31	33	23	**42**	**36**	**40**	28	PN, V
R3284	Residential	NCA02	**37**	**42**	**47**	**44**	26	**47**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3285	Residential	NCA02	30	**43**	**44**	**41**	24	**47**	**37**	**39**	25	**42**	**37**	**41**	27	PN, V
R3286	Residential	NCA02	32	**41**	**46**	**42**	27	**46**	**37**	**39**	26	**43**	**37**	**44**	29	PN, V
R3287	Residential	NCA02	25	**36**	**37**	33	20	**41**	28	30	17	**36**	30	**37**	22	PN, V
R3288	Residential	NCA02	29	**38**	**44**	**40**	27	**44**	32	35	20	**41**	34	**40**	26	PN, V
R3289	Residential	NCA02	35	**41**	**46**	**42**	29	**46**	**38**	**40**	29	**46**	**37**	**44**	32	PN, V
R3290	Residential	NCA02	25	**38**	**36**	**36**	19	**41**	29	31	17	**37**	28	35	22	PN, V
R3291	Residential	NCA02	28	**40**	**42**	**40**	24	**44**	33	**36**	23	**40**	35	**41**	25	PN, V
R3292	Residential	NCA02	27	**38**	**42**	**38**	21	**42**	33	35	22	**40**	35	**42**	24	PN, V
R3293	Residential	NCA02	26	**37**	**38**	34	20	**40**	30	32	18	**38**	29	**37**	23	PN
R3294	Residential	NCA02	24	34	35	32	18	**38**	28	30	16	**36**	27	34	21	PN
R3295	Residential	NCA02	28	**41**	**40**	**38**	22	**48**	33	**37**	21	**39**	32	**39**	25	PN, V
R3296	Residential	NCA02	23	32	35	32	18	**37**	26	28	16	35	28	35	20	PN
R3297	Active recreation	NCA02	32	43	45	43	25	47	38	39	27	44	37	43	29	-
R3298	Residential	NCA02	**38**	**43**	**48**	**45**	31	**48**	**41**	**43**	32	**49**	**40**	**47**	35	PN, V
R3299	Residential	NCA02	28	**39**	**40**	**38**	21	**43**	34	**36**	23	**40**	34	**40**	25	PN, V
R3300	Residential	NCA02	**37**	**43**	**49**	**45**	31	**49**	**42**	**44**	32	**49**	**41**	**48**	34	PN, V
R3301	Residential	NCA02	34	**43**	**49**	**45**	31	**49**	**38**	**40**	29	**45**	**39**	**45**	31	PN, V
R3302	Residential	NCA02	35	**41**	**42**	**42**	24	**43**	**39**	**41**	29	**46**	**38**	**45**	32	PN, V
R3303	Residential	NCA02	**36**	**42**	**47**	**44**	30	**47**	**40**	**42**	31	**48**	**39**	**45**	33	PN, V
R3304	Residential	NCA02	35	**41**	**47**	**42**	28	**46**	**39**	**41**	30	**46**	**38**	**45**	32	PN, V
R3305	Residential	NCA02	28	**39**	**40**	**36**	22	**43**	34	**36**	22	**40**	33	**40**	25	PN, V
R3306	Residential	NCA02	26	**36**	**37**	35	20	**40**	30	32	19	**37**	29	**36**	23	PN
R3307	Residential	NCA02	**37**	**41**	**47**	**44**	29	**47**	**39**	**42**	31	**48**	**39**	**46**	34	PN, V
R3308	Residential	NCA02	35	**42**	**48**	**44**	31	**48**	**39**	**41**	30	**46**	**39**	**46**	32	PN, V
R3309	Residential	NCA02	32	**42**	**46**	**43**	26	**47**	**37**	**39**	27	**43**	**37**	**43**	29	PN, V
R3310	Residential	NCA02	**36**	**41**	**46**	**42**	28	**46**	**39**	**41**	30	**47**	**38**	**45**	33	PN, V
R3311	Residential	NCA02	34	**40**	**46**	**42**	28	**46**	**39**	**41**	30	**46**	**38**	**44**	31	PN, V
R3312	Residential	NCA02	34	**43**	**47**	**43**	30	**47**	**37**	**39**	28	**46**	**38**	**45**	31	PN, V
R3313	Residential	NCA02	26	**41**	**40**	**39**	22	**45**	30	32	19	**38**	31	**37**	23	PN, V
R3314	Residential	NCA02	**37**	**43**	**49**	**45**	32	**49**	**41**	**43**	32	**48**	**40**	**47**	34	PN, V
R3315	Residential	NCA02	25	32	**36**	32	20	**38**	29	31	17	**37**	28	35	22	PN
R3316	Residential	NCA02	27	**39**	**42**	**38**	23	**42**	33	35	22	**40**	33	**40**	24	PN, V
R3317	Residential	NCA02	35	**40**	**41**	**43**	24	**41**	**39**	**41**	29	**46**	**38**	**44**	32	PN, V
R3318	Residential	NCA02	34	**41**	**47**	**43**	29	**47**	**39**	**41**	29	**45**	**38**	**45**	31	PN, V
R3319	Residential	NCA02	34	**41**	**47**	**43**	29	**47**	**38**	**40**	29	**46**	**38**	**44**	31	PN, V
R3320	Residential	NCA02	30	**44**	**45**	**43**	26	**49**	35	**37**	26	**41**	**38**	**44**	27	PN, V
R3321	Residential	NCA02	27	**42**	**44**	**41**	26	**46**	33	35	24	**39**	35	**42**	24	PN, V
R3322	Residential	NCA02	31	**40**	**45**	**42**	28	**45**	35	**37**	25	**42**	**36**	**43**	28	PN, V
R3323	Residential	NCA02	28	**39**	**40**	**37**	21	**43**	33	35	21	**40**	33	**40**	25	PN, V
R3324	Residential	NCA02	25	**37**	35	32	18	**40**	30	32	20	**37**	29	**36**	22	PN
R3325	Residential	NCA02	33	**39**	**42**	**38**	24	**45**	35	**37**	26	**44**	35	**42**	30	PN, V
R3326	Residential	NCA02	35	**42**	**49**	**44**	30	**48**	**40**	**42**	31	**47**	**39**	**46**	32	PN, V
R3327	Residential	NCA02	34	**41**	**45**	**41**	28	**45**	**36**	**38**	27	**45**	**37**	**43**	31	PN, V
R3328	Residential	NCA02	26	35	**36**	33	19	**41**	30	32	19	**38**	29	**36**	23	PN, V
R3329	Residential	NCA02	26	32	34	30	17	**38**	26	28	17	**37**	28	35	23	PN
R3330	Residential	NCA02	27	35	**37**	35	20	**41**	32	32	21	**40**	31	**38**	24	PN, V
R3331	Residential	NCA02	**39**	**42**	**48**	**44**	29	**48**	**40**	**42**	32	**49**	**41**	**48**	**36**	PN, V
R3332	Residential	NCA02	23	35	**36**	33	18	**38**	27	29	15	35	27	34	20	PN

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3333	Residential	NCA02	27	33	35	33	17	35	32	34	21	**39**	30	**37**	24	PN
R3334	Residential	NCA02	32	**42**	**47**	**43**	29	**47**	**37**	**39**	26	**44**	**38**	**45**	29	PN, V
R3335	Residential	NCA02	32	**42**	**46**	**42**	26	**46**	**37**	**39**	27	**43**	**37**	**43**	29	PN, V
R3336	Residential	NCA02	33	**42**	**49**	**45**	30	**49**	35	**37**	27	**44**	**40**	**42**	30	PN, V
R3337	Residential	NCA02	25	32	35	32	18	**37**	29	31	19	**37**	28	35	22	PN
R3338	Residential	NCA02	28	**38**	**40**	**36**	21	**44**	33	35	21	**40**	32	**39**	25	PN, V
R3339	Industrial	NCA02	34	43	48	44	29	48	39	40	29	46	40	45	31	-
R3340	Residential	NCA02	32	**41**	**47**	**44**	29	**47**	**37**	**39**	26	**44**	**38**	**44**	29	PN, V
R3341	Residential	NCA02	27	**41**	**44**	**41**	25	**46**	33	35	23	**39**	35	**42**	24	PN, V
R3342	Residential	NCA02	27	**39**	**42**	**38**	24	**44**	33	35	20	**38**	33	**40**	24	PN, V
R3343	Residential	NCA02	28	**40**	**41**	**38**	22	**44**	34	35	23	**40**	34	**41**	25	PN, V
R3344	Residential	NCA02	31	**39**	**43**	**40**	26	**43**	34	**36**	24	**42**	34	**41**	28	PN, V
R3345	Residential	NCA02	25	34	35	31	17	**40**	30	32	20	**37**	29	**36**	22	PN
R3346	Residential	NCA02	34	**42**	**46**	**43**	27	**47**	**38**	**40**	29	**46**	**38**	**44**	31	PN, V
R3347	Residential	NCA02	33	**39**	**41**	**38**	24	**41**	**36**	**38**	28	**45**	**36**	**43**	30	PN, V
R3348	Residential	NCA02	32	**41**	**44**	**41**	26	**45**	**37**	**39**	26	**44**	**36**	**42**	29	PN, V
R3349	Residential	NCA02	31	**38**	**43**	**39**	26	**43**	33	35	24	**42**	34	**40**	28	PN, V
R3350	Residential	NCA02	**37**	**42**	**46**	**44**	28	**46**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3351	Residential	NCA02	31	**38**	**43**	**40**	27	**43**	34	**36**	25	**42**	34	**41**	28	PN, V
R3352	Residential	NCA02	**37**	**42**	**48**	**44**	30	**48**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3353	Residential	NCA02	27	35	**37**	35	19	**40**	31	33	19	**39**	30	**37**	24	PN
R3354	Residential	NCA02	22	33	**36**	33	19	**39**	29	31	16	34	29	35	19	PN
R3355	Residential	NCA02	28	**38**	**41**	**40**	21	**43**	33	35	23	**40**	35	**41**	25	PN, V
R3356	Residential	NCA02	31	**42**	**45**	**41**	25	**45**	**37**	**38**	27	**43**	**36**	**43**	28	PN, V
R3357	Residential	NCA02	28	**40**	**39**	**36**	21	**46**	34	**36**	23	**40**	33	**39**	25	PN, V
R3358	Residential	NCA02	34	**40**	**45**	**41**	28	**45**	**38**	**40**	30	**46**	**37**	**44**	31	PN, V
R3359	Residential	NCA02	34	**40**	**46**	**42**	29	**46**	**38**	**40**	30	**46**	**37**	**44**	31	PN, V
R3360	Residential	NCA02	34	**40**	**46**	**42**	29	**46**	**37**	**39**	29	**46**	**37**	**44**	31	PN, V
R3361	Residential	NCA02	26	34	**36**	34	19	**39**	30	32	19	**37**	29	**36**	23	PN
R3362	Residential	NCA02	29	**41**	**40**	**38**	22	**44**	34	**36**	24	**41**	33	**39**	26	PN, V
R3363	Residential	NCA02	26	34	**37**	34	20	**40**	31	33	18	**38**	30	**37**	23	PN
R3364	Residential	NCA02	34	**40**	**46**	**42**	27	**46**	**38**	**40**	29	**46**	**37**	**44**	31	PN, V
R3365	Residential	NCA02	27	**37**	**38**	**37**	20	**41**	29	31	19	**39**	32	**39**	24	PN, V
R3366	Residential	NCA02	34	**41**	**45**	**42**	28	**45**	**39**	**41**	30	**46**	**38**	**44**	31	PN, V
R3367	Residential	NCA02	29	**38**	**41**	**38**	24	**41**	35	**37**	23	**41**	33	**40**	26	PN, V
R3368	Residential	NCA02	34	**40**	**45**	**41**	27	**45**	**38**	**40**	30	**46**	**37**	**44**	31	PN, V
R3369	Residential	NCA02	25	**36**	**39**	35	20	**39**	30	32	18	**36**	31	**38**	22	PN
R3370	Residential	NCA02	25	34	**38**	35	18	**39**	29	31	18	**37**	30	**37**	22	PN
R3371	Residential	NCA02	28	**36**	**38**	35	20	**42**	31	33	19	**40**	31	**38**	25	PN, V
R3372	Residential	NCA02	27	**40**	**40**	**38**	21	**42**	32	34	23	**39**	32	**38**	24	PN, V
R3373	Residential	NCA02	34	**39**	**42**	**40**	25	**44**	**36**	**39**	28	**46**	**37**	**43**	31	PN, V
R3374	Residential	NCA02	33	**40**	**45**	**41**	28	**45**	**36**	**38**	28	**44**	**36**	**42**	30	PN, V
R3375	Residential	NCA02	25	35	**36**	34	18	**39**	31	33	19	**37**	29	35	22	PN
R3376	Residential	NCA02	27	33	**36**	33	19	**38**	31	33	19	**39**	30	**37**	24	PN
R3377	Residential	NCA02	28	**38**	**39**	**36**	21	**44**	32	34	21	**40**	32	**39**	25	PN, V
R3378	Residential	NCA02	**36**	**42**	**48**	**44**	31	**48**	**39**	**41**	30	**47**	**39**	**45**	33	PN, V
R3379	Residential	NCA02	26	35	**36**	33	19	**39**	29	31	18	**36**	29	**36**	23	PN
R3380	Residential	NCA02	28	**38**	**39**	**36**	21	**41**	34	**36**	22	**40**	33	**39**	25	PN, V
R3381	Residential	NCA02	31	**40**	**46**	**42**	26	**46**	33	35	24	**42**	**37**	**42**	28	PN, V
R3382	Residential	NCA02	34	**40**	**44**	**41**	27	**44**	**38**	**40**	29	**45**	**37**	**44**	31	PN, V
R3383	Residential	NCA02	31	**38**	**41**	**38**	23	**42**	34	**36**	26	**43**	34	**41**	28	PN, V
R3384	Residential	NCA02	35	**42**	**48**	**44**	31	**48**	**40**	**42**	31	**47**	**39**	**45**	32	PN, V
R3385	Residential	NCA02	20	32	33	30	17	**38**	23	25	14	32	24	31	17	PN
R3386	Residential	NCA02	27	35	**37**	33	20	**40**	33	35	22	**39**	32	**37**	24	PN
R3387	Residential	NCA02	**38**	**43**	**47**	**44**	30	**47**	**41**	**42**	31	**48**	**41**	**47**	35	PN, V
R3388	Residential	NCA02	32	**41**	**47**	**43**	29	**47**	**37**	**39**	27	**44**	**37**	**43**	29	PN, V
R3389	Residential	NCA02	25	34	**36**	32	19	**42**	27	29	16	**37**	27	34	22	PN, V
R3390	Residential	NCA02	34	**41**	**47**	**43**	28	**47**	**38**	**40**	30	**45**	**38**	**44**	31	PN, V
R3391	Residential	NCA02	20	32	**36**	34	19	**37**	27	29	15	32	29	**36**	17	PN
R3392	Residential	NCA02	31	**40**	**46**	**42**	28	**46**	35	**37**	27	**42**	**37**	**42**	28	PN, V
R3393	Residential	NCA02	23	32	34	31	16	**37**	28	30	16	35	27	34	20	PN
R3394	Residential	NCA02	31	**41**	**43**	**42**	24	**44**	35	**37**	24	**42**	**37**	**42**	28	PN, V
R3395	Residential	NCA02	26	**39**	**37**	33	19	**44**	30	32	19	**38**	29	**36**	23	PN, V
R3396	Residential	NCA02	**36**	**42**	**48**	**44**	30	**48**	**40**	**42**	31	**48**	**39**	**45**	33	PN, V
R3397	Residential	NCA02	32	**40**	**45**	**41**	28	**46**	**36**	**39**	27	**43**	**36**	**42**	29	PN, V
R3398	Residential	NCA02	32	**41**	**46**	**42**	29	**46**	35	**37**	24	**43**	**36**	**43**	29	PN, V
R3399	Residential	NCA02	**37**	**42**	**48**	**44**	31	**48**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3400	Residential	NCA02	**38**	**42**	**46**	**44**	28	**47**	**40**	**42**	31	**49**	**40**	**46**	35	PN, V
R3401	Residential	NCA02	31	**41**	**44**	**40**	25	**44**	**37**	**38**	27	**42**	**36**	**42**	28	PN, V
R3402	Residential	NCA02	30	**38**	**42**	**39**	23	**42**	35	**36**	26	**42**	34	**40**	27	PN, V
R3403	Residential	NCA02	32	**40**	**45**	**41**	28	**45**	35	**37**	25	**43**	**36**	**43**	29	PN, V
R3404	Residential	NCA02	28	**39**	**40**	**38**	20	**43**	33	35	23	**40**	34	**41**	25	PN, V
R3405	Residential	NCA02	33	**40**	**44**	**41**	26	**44**	**37**	**39**	29	**45**	**36**	**43**	30	PN, V
R3406	Residential	NCA02	32	**42**	**46**	**42**	28	**46**	**36**	**37**	27	**43**	**37**	**44**	29	PN, V
R3407	Residential	NCA02	34	**41**	**47**	**43**	29	**47**	**38**	**41**	30	**45**	**38**	**45**	31	PN, V
R3408	Residential	NCA02	27	**36**	**38**	35	19	**41**	30	32	19	**38**	30	**37**	24	PN, V
R3409	Residential	NCA02	29	**38**	**38**	35	21	**38**	34	**36**	23	**41**	32	**39**	26	PN, V
R3410	Residential	NCA02	28	**40**	**39**	**38**	21	**43**	34	35	22	**40**	33	**40**	25	PN, V
R3411	Residential	NCA02	32	**43**	**46**	**43**	29	**46**	**37**	**39**	25	**43**	**38**	**42**	29	PN, V
R3412	Residential	NCA02	**38**	**42**	**48**	**44**	31	**48**	**40**	**42**	31	**49**	**40**	**47**	35	PN, V
R3413	Industrial	NCA02	32	41	45	41	26	45	35	38	27	44	35	44	29	-
R3414	Residential	NCA02	32	**42**	**47**	**41**	27	**45**	35	**37**	26	**44**	**36**	**42**	29	PN, V
R3415	Residential	NCA02	26	**36**	**37**	34	19	**41**	30	32	19	**38**	29	**36**	23	PN
R3416	Residential	NCA02	35	**41**	**47**	**43**	30	**47**	**39**	**41**	30	**46**	**38**	**44**	32	PN, V
R3417	Residential	NCA02	30	**41**	**44**	**42**	26	**44**	**36**	**38**	27	**42**	**36**	**43**	27	PN, V
R3418	Residential	NCA02	31	**42**	**44**	**41**	25	**44**	33	35	22	**42**	**36**	**41**	28	PN, V
R3419	Residential	NCA02	29	**41**	**43**	**41**	23	**46**	35	**37**	25	**41**	**36**	**43**	26	PN, V
R3420	Residential	NCA02	25	34	35	31	18	**39**	31	33	21	**39**	30	**37**	22	PN
R3421	Residential	NCA02	**37**	**42**	**47**	**44**	30	**47**	**41**	**43**	31	**48**	**40**	**47**	34	PN, V
R3422	Residential	NCA02	33	**39**	**43**	**39**	25	**41**	**37**	**39**	29	**45**	**36**	**43**	30	PN, V
R3423	Residential	NCA02	25	34	35	32	18	**37**	27	29	16	**37**	28	35	22	PN
R3424	Residential	NCA02	28	**41**	**44**	**40**	23	**46**	34	**36**	24	**40**	**36**	**43**	25	PN, V
R3425	Residential	NCA02	30	**36**	**39**	**36**	21	**40**	35	**36**	25	**42**	34	**40**	27	PN, V
R3426	Residential	NCA02	33	**41**	**46**	**42**	29	**46**	35	**37**	26	**44**	**36**	**42**	30	PN, V
R3427	Residential	NCA02	27	**40**	**38**	35	20	**44**	32	35	20	**38**	32	**38**	24	PN, V

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3428	Residential	NCA02	34	**42**	**46**	**43**	29	**46**	**38**	**40**	29	**46**	**38**	**44**	31	PN, V
R3429	Residential	NCA02	29	34	**36**	34	19	**38**	32	34	22	**41**	32	**39**	26	PN, V
R3430	Residential	NCA02	**39**	**42**	**47**	**45**	30	**47**	**41**	**43**	31	**50**	**41**	**48**	**36**	PN, V
R3431	Residential	NCA02	29	34	**36**	33	18	**38**	32	34	22	**40**	31	**38**	26	PN
R3432	Residential	NCA02	35	**42**	**45**	**43**	25	**44**	**40**	**42**	30	**46**	**38**	**45**	32	PN, V
R3433	Residential	NCA02	32	**40**	**41**	**39**	24	**41**	33	35	25	**42**	33	**40**	29	PN, V
R3434	Residential	NCA02	30	**38**	**41**	**38**	25	**41**	34	**36**	24	**42**	33	**40**	27	PN, V
R3435	Residential	NCA02	28	**37**	**40**	**36**	21	**43**	33	35	20	**40**	32	**39**	25	PN, V
R3436	Residential	NCA02	**37**	**42**	**48**	**44**	31	**48**	**40**	**42**	31	**48**	**39**	**46**	34	PN, V
R3437	Residential	NCA02	24	34	**36**	33	19	**41**	30	32	18	**36**	29	35	21	PN, V
R3438	Residential	NCA02	35	**41**	**47**	**43**	29	**47**	**39**	**41**	30	**47**	**38**	**45**	32	PN, V
R3439	Residential	NCA02	28	**38**	**41**	**39**	21	**43**	33	35	24	**40**	34	**42**	25	PN, V
R3440	Residential	NCA02	26	**36**	**38**	34	21	**39**	26	28	18	**37**	30	**38**	23	PN
R3441	Residential	NCA02	27	**42**	**42**	**38**	23	**45**	32	34	20	**39**	34	**42**	24	PN, V
R3442	Residential	NCA02	27	35	**37**	**36**	19	**40**	32	34	19	**39**	31	**38**	24	PN
R3443	Residential	NCA02	28	**36**	**40**	**36**	21	**41**	33	35	21	**40**	32	**39**	25	PN, V
R3444	Residential	NCA02	29	**40**	**43**	**39**	25	**45**	34	**36**	23	**40**	35	**41**	26	PN, V
R3445	Residential	NCA02	35	**41**	**45**	**43**	29	**46**	**40**	**42**	30	**47**	**39**	**45**	32	PN, V
R3446	Residential	NCA02	26	**38**	**43**	**39**	26	**43**	28	29	19	**38**	34	**37**	23	PN, V
R3447	Residential	NCA02	27	34	**37**	34	20	**39**	31	33	20	**39**	31	**38**	24	PN
R3448	Residential	NCA02	32	**41**	**45**	**42**	25	**45**	**36**	**38**	27	**44**	**37**	**42**	29	PN, V
R3449	Residential	NCA02	25	**38**	**39**	**38**	21	**44**	33	33	21	**38**	33	**40**	22	PN, V
R3450	Residential	NCA02	33	**41**	**46**	**42**	28	**46**	**37**	**39**	28	**44**	**37**	**44**	30	PN, V
R3451	Residential	NCA02	29	35	**41**	**37**	24	**41**	31	33	23	**40**	32	**39**	26	PN, V
R3452	Residential	NCA02	34	**40**	**46**	**42**	29	**46**	**38**	**40**	29	**46**	**37**	**44**	31	PN, V
R3453	Residential	NCA02	26	**40**	**40**	**38**	22	**44**	31	33	19	**38**	34	**41**	23	PN, V
R3454	Residential	NCA02	**37**	**41**	**44**	**41**	26	**44**	**38**	**40**	28	**49**	**40**	**46**	34	PN, V
R3455	Residential	NCA02	23	28	32	29	16	33	25	27	15	33	24	31	20	-
R3456	Residential	NCA02	26	35	**36**	32	19	**39**	29	31	18	**37**	29	**36**	23	PN
R3457	Residential	NCA02	34	**40**	**46**	**42**	27	**46**	**38**	**40**	29	**45**	**37**	**43**	31	PN, V
R3458	Residential	NCA02	28	**37**	**38**	35	19	**40**	32	34	19	**40**	31	**38**	25	PN
R3459	Residential	NCA02	34	**41**	**47**	**43**	30	**47**	**38**	**39**	29	**45**	**38**	**44**	31	PN, V
R3460	Residential	NCA02	30	**38**	**41**	**38**	24	**43**	**36**	**38**	25	**42**	33	**40**	27	PN, V
R3461	Residential	NCA02	30	**37**	**39**	**37**	22	**41**	**36**	**37**	24	**42**	35	**41**	27	PN, V
R3462	Residential	NCA02	24	**36**	35	31	18	**38**	27	29	17	**36**	27	34	21	PN
R3463	Residential	NCA02	19	31	35	32	18	**37**	24	26	13	31	26	33	16	PN
R3464	Residential	NCA02	28	**37**	**37**	35	20	**41**	33	35	22	**40**	32	**39**	25	PN, V
R3465	Residential	NCA02	23	**40**	**40**	**37**	21	**45**	31	33	17	35	33	**40**	20	PN, V
R3466	Residential	NCA02	**37**	**42**	**48**	**43**	30	**48**	**40**	**42**	30	**49**	**40**	**47**	34	PN, V
R3467	Residential	NCA02	31	**40**	**45**	**41**	27	**45**	35	**37**	27	**42**	35	**42**	28	PN, V
R3468	Residential	NCA02	35	**42**	**47**	**43**	29	**47**	**38**	**41**	30	**47**	**38**	**45**	32	PN, V
R3469	Residential	NCA02	35	**40**	**47**	**42**	29	**46**	**38**	**40**	29	**46**	**37**	**44**	32	PN, V
R3470	Residential	NCA02	31	**40**	**44**	**41**	27	**44**	35	**37**	26	**43**	**36**	**41**	28	PN, V
R3471	Residential	NCA02	34	**42**	**48**	**44**	31	**48**	**39**	**41**	31	**46**	**38**	**45**	31	PN, V
R3472	Residential	NCA02	23	**38**	**37**	34	19	**44**	28	30	16	34	29	35	20	PN, V
R3473	Residential	NCA02	29	**37**	**40**	**36**	21	**43**	34	**36**	23	**41**	33	**39**	26	PN, V
R3474	Residential	NCA02	22	31	34	31	17	**36**	26	28	16	34	27	33	19	PN
R3475	Residential	NCA02	**37**	**41**	**44**	**42**	25	**44**	**38**	**40**	27	**48**	**39**	**46**	34	PN, V
R3476	Residential	NCA02	27	**40**	**47**	**43**	29	**47**	32	34	22	**40**	**36**	**39**	24	PN, V
R3477	Residential	NCA02	26	32	35	32	18	35	31	33	20	**38**	30	**36**	23	PN
R3478	Residential	NCA02	34	**41**	**46**	**43**	27	**46**	**38**	**40**	29	**46**	**37**	**44**	31	PN, V
R3479	Residential	NCA02	20	28	32	28	15	33	22	24	12	31	23	30	17	-
R3480	Residential	NCA02	31	**40**	**45**	**41**	27	**45**	**36**	**37**	26	**43**	35	**42**	28	PN, V
R3481	Residential	NCA02	35	**41**	**46**	**42**	29	**46**	**40**	**41**	30	**46**	**38**	**45**	32	PN, V
R3482	Residential	NCA02	**37**	**42**	**47**	**44**	30	**47**	**41**	**42**	30	**48**	**40**	**46**	34	PN, V
R3483	Residential	NCA02	34	**40**	**45**	**41**	25	**45**	**36**	**38**	28	**45**	**36**	**43**	31	PN, V
R3484	Residential	NCA02	35	**41**	**46**	**42**	29	**46**	**38**	**40**	29	**46**	**37**	**45**	32	PN, V
R3485	Residential	NCA02	29	**38**	**40**	**38**	21	**44**	34	**36**	23	**41**	33	**40**	26	PN, V
R3486	Residential	NCA02	33	**40**	**45**	**41**	25	**45**	**36**	**38**	28	**44**	**36**	**43**	30	PN, V
R3487	Industrial	NCA02	32	40	47	43	26	47	36	38	27	44	37	44	29	-
R3488	Residential	NCA02	31	**38**	**43**	**40**	26	**43**	34	**36**	24	**43**	34	**41**	28	PN, V
R3489	Residential	NCA02	30	**41**	**43**	**40**	26	**44**	**36**	**38**	25	**42**	**37**	**42**	27	PN, V
R3490	Residential	NCA02	22	32	34	31	17	**37**	26	28	16	34	26	32	19	PN
R3491	Residential	NCA02	29	**38**	**38**	**37**	20	**43**	34	**36**	23	**41**	34	**40**	26	PN, V
R3492	Residential	NCA02	28	**41**	**38**	**36**	20	**46**	33	35	23	**40**	33	**39**	25	PN, V
R3493	Residential	NCA02	29	**37**	**40**	**37**	21	**41**	33	35	22	**41**	32	**39**	26	PN, V
R3494	Residential	NCA02	**36**	**42**	**47**	**43**	30	**47**	**39**	**41**	31	**47**	**39**	**46**	33	PN, V
R3495	Residential	NCA02	28	**36**	**36**	33	19	**41**	33	35	22	**40**	32	**39**	25	PN, V
R3496	Residential	NCA02	34	**40**	**46**	**42**	27	**46**	**38**	**39**	29	**46**	**37**	**43**	31	PN, V
R3497	Residential	NCA02	27	**37**	**38**	34	19	**43**	32	34	21	**39**	31	**38**	24	PN, V
R3498	Residential	NCA02	33	**37**	**40**	**37**	22	**41**	31	33	23	**44**	35	**41**	30	PN, V
R3499	Residential	NCA02	32	**41**	**47**	**43**	30	**47**	34	**36**	26	**43**	**38**	**45**	29	PN, V
R3500	Residential	NCA02	28	34	**36**	33	19	**37**	32	34	20	**40**	31	**38**	25	PN
R3501	Residential	NCA02	31	**40**	**46**	**42**	28	**46**	35	**37**	27	**43**	**37**	**42**	28	PN, V
R3502	Residential	NCA02	27	34	**37**	34	18	**39**	33	34	21	**39**	31	**38**	24	PN
R3503	Residential	NCA02	**38**	**42**	**47**	**44**	30	**47**	**41**	**43**	31	**49**	**40**	**47**	35	PN, V
R3504	Residential	NCA02	32	**42**	**44**	**41**	26	**44**	**36**	**38**	27	**44**	**36**	**42**	29	PN, V
R3505	Residential	NCA02	30	**39**	**42**	**39**	24	**42**	35	**37**	26	**42**	34	**41**	27	PN, V
R3506	Residential	NCA02	28	**38**	**38**	34	19	**38**	32	33	22	**40**	31	**37**	25	PN
R3507	Residential	NCA02	**38**	**42**	**47**	**43**	30	**47**	**40**	**42**	31	**49**	**40**	**47**	35	PN, V
R3508	Residential	NCA02	26	34	**36**	33	18	**39**	31	33	18	**38**	30	**37**	23	PN
R3509	Residential	NCA02	29	**40**	**45**	**41**	27	**44**	**36**	**36**	24	**40**	35	**42**	26	PN, V
R3510	Residential	NCA02	28	**38**	**39**	**36**	19	**45**	34	**36**	23	**40**	33	**39**	25	PN, V
R3511	Residential	NCA02	29	**36**	**40**	35	20	**40**	34	**36**	23	**41**	33	**39**	26	PN, V
R3512	Residential	NCA02	26	35	**37**	33	19	**39**	32	34	21	**39**	31	**38**	23	PN
R3513	Residential	NCA02	32	**39**	**43**	**41**	26	**44**	**37**	**39**	29	**44**	**36**	**43**	29	PN, V
R3514	Residential	NCA02	24	32	34	32	16	**36**	28	30	16	**36**	28	35	21	PN
R3515	Residential	NCA02	27	35	**37**	34	19	**40**	30	32	19	**38**	30	**36**	24	PN
R3516	Residential	NCA02	27	34	**37**	34	18	**38**	32	34	22	**39**	31	**37**	24	PN
R3517	Residential	NCA02	33	**39**	**41**	**41**	24	**42**	**37**	**39**	28	**44**	**36**	**43**	30	PN, V
R3518	Residential	NCA02	22	32	35	31	15	35	23	25	14	34	26	32	19	-
R3519	Residential	NCA02	31	**42**	**47**	**42**	29	**47**	**36**	**38**	26	**43**	**38**	**43**	28	PN, V
R3520	Residential	NCA02	33	**39**	**43**	**41**	26	**43**	**37**	**39**	29	**45**	**36**	**43**	30	PN, V
R3521	Residential	NCA02	30	**40**	**43**	**39**	24	**43**	35	**37**	24	**42**	34	**41**	27	PN, V
R3522	Residential	NCA02	27	33	34	32	17	**38**	31	33	22	**39**	30	**37**	24	PN

Predicted construction noise levels: OOHW Period 2 (Night)

Receiver ID	Receiver Type	NCA	CS01	CS02	CS03	CS04	CS05	CS06	CS07	CS08	CS09	CS10	CS11	CS12	CS13	Additional management measures
Residential: Noticeable Clearly audible Moderately intrusive Highly intrusive **Bold** Highly noise affected																
Non-residential: Exceeds noise management level																
R3523	Residential	NCA02	29	**36**	**42**	**38**	25	**42**	29	31	20	**41**	32	**38**	26	PN, V
R3524	Residential	NCA02	27	33	35	32	18	**41**	31	33	19	**38**	29	**36**	24	PN, V
R3525	Residential	NCA02	30	**39**	**41**	**40**	21	**41**	34	**36**	23	**41**	35	**41**	27	PN, V
R3526	Residential	NCA02	31	**41**	**43**	**39**	25	**44**	35	**37**	27	**43**	35	**42**	28	PN, V
R3527	Residential	NCA02	32	**38**	**43**	**39**	26	**42**	**36**	**38**	27	**43**	35	**42**	29	PN, V
R3528	Residential	NCA02	29	**37**	**41**	**37**	24	**41**	34	34	22	**41**	32	**39**	26	PN, V
R3529	Residential	NCA02	29	**37**	**40**	**38**	24	**40**	34	35	23	**40**	32	**39**	26	PN
R3530	Residential	NCA02	32	**41**	**45**	**41**	27	**45**	**37**	**39**	27	**44**	**36**	**42**	29	PN, V
R3531	Residential	NCA02	29	**38**	**40**	**38**	23	**42**	35	**37**	26	**41**	33	**40**	26	PN, V
R3532	Residential	NCA02	35	**41**	**47**	**42**	29	**46**	**39**	**41**	30	**47**	**38**	**45**	32	PN, V
R3533	Residential	NCA02	23	35	**36**	32	19	**41**	28	30	17	35	27	34	20	PN, V
R3534	Residential	NCA02	30	**40**	**44**	**41**	26	**44**	**36**	**37**	24	**42**	35	**41**	27	PN, V
R3535	Residential	NCA02	32	**39**	**44**	**40**	26	**45**	34	**36**	26	**43**	35	**41**	29	PN, V
R3536	Residential	NCA02	28	**40**	**40**	**38**	22	**45**	34	**36**	22	**40**	34	**40**	25	PN, V
R3537	Residential	NCA02	32	**38**	**41**	**38**	24	**41**	**36**	**38**	26	**43**	35	**41**	29	PN, V
R3538	Residential	NCA02	28	**37**	**42**	**39**	25	**42**	25	26	16	**40**	34	**40**	25	PN, V
R3539	Residential	NCA02	33	**41**	**46**	**40**	27	**46**	**37**	**39**	27	**44**	**36**	**42**	30	PN, V
R3540	Residential	NCA02	26	34	**36**	35	20	**38**	31	33	19	**38**	30	35	23	PN
R3541	Residential	NCA02	35	**40**	**43**	**39**	23	**43**	35	**37**	26	**46**	**37**	**43**	32	PN, V
R3542	Residential	NCA02	26	**37**	**37**	34	19	**41**	31	33	20	**38**	30	**36**	23	PN, V
R3543	Residential	NCA02	28	**41**	**45**	**41**	27	**45**	34	**36**	23	**40**	**37**	**43**	25	PN, V
R3544	Residential	NCA02	29	**37**	**42**	**36**	22	**39**	33	**36**	22	**40**	32	**39**	26	PN, V
R3545	Residential	NCA02	27	**40**	**43**	**40**	24	**43**	35	**37**	25	**39**	**36**	**42**	24	PN, V
R3546	Residential	NCA02	25	34	35	32	17	**38**	29	31	17	**36**	28	35	22	PN
R3547	Residential	NCA02	27	35	**36**	35	18	**38**	31	33	20	**38**	31	**37**	24	PN
R3548	Industrial	NCA02	29	42	48	44	28	48	31	33	23	40	39	43	26	-
R3549	Residential	NCA02	27	35	34	32	17	**42**	32	34	21	**39**	31	**37**	24	PN, V
R3550	Residential	NCA02	30	35	**39**	**37**	20	**39**	33	35	24	**42**	33	**40**	27	PN, V
R3551	Residential	NCA02	27	**36**	**42**	**38**	21	**42**	32	34	22	**39**	30	**40**	24	PN, V
R3552	Residential	NCA02	31	**37**	**41**	**38**	23	**41**	**36**	**38**	25	**42**	35	**40**	28	PN, V
R3553	Residential	NCA02	30	**39**	**43**	**39**	24	**43**	35	**37**	25	**42**	34	**41**	27	PN, V
R3554	Residential	NCA02	24	33	34	31	16	34	31	33	22	**36**	30	**37**	21	PN
R3555	Residential	NCA02	29	**37**	**42**	**38**	24	**41**	34	**36**	23	**40**	33	**39**	26	PN, V
R3556	Residential	NCA02	32	**39**	**41**	**40**	23	**41**	35	**37**	26	**44**	**36**	**42**	29	PN, V
R3557	Residential	NCA02	31	**38**	**44**	**40**	25	**44**	**36**	**38**	27	**43**	35	**42**	28	PN, V
R3558	Residential	NCA02	26	**37**	**36**	34	18	**40**	30	31	19	**37**	28	35	23	PN
R3559	Residential	NCA02	28	34	35	31	18	35	31	33	21	**40**	31	**38**	25	PN
R3560	Residential	NCA02	28	35	**36**	34	20	**38**	32	35	24	**40**	31	**38**	25	PN
R3561	Residential	NCA02	34	**39**	**43**	**40**	26	**43**	**38**	**40**	29	**46**	**37**	**44**	31	PN, V
R3562	Residential	NCA02	26	**37**	**37**	34	19	**42**	33	35	21	**37**	31	**37**	23	PN, V
R3563	Residential	NCA02	31	**40**	**43**	**40**	26	**43**	34	**37**	25	**42**	**36**	**41**	28	PN, V
R3564	Residential	NCA02	29	**40**	**38**	**38**	21	**43**	34	**36**	24	**40**	34	**41**	26	PN, V
R3565	Residential	NCA02	31	**40**	**45**	**41**	27	**45**	34	**36**	25	**43**	**36**	**41**	28	PN, V
R3566	Residential	NCA02	27	34	34	33	18	35	32	34	22	**39**	31	**38**	24	PN
R3567	Residential	NCA02	32	**39**	**44**	**40**	26	**44**	**37**	**39**	28	**44**	**36**	**43**	29	PN, V
R3568	Residential	NCA02	31	**39**	**43**	**39**	26	**43**	32	35	25	**43**	34	**41**	28	PN, V
R3569	Residential	NCA02	31	**36**	**38**	34	21	**37**	31	33	24	**42**	33	**40**	28	PN, V
R3570	Residential	NCA02	31	**37**	**43**	**39**	25	**43**	35	**37**	26	**43**	34	**41**	28	PN, V
R3571	Residential	NCA02	29	34	**36**	35	19	**36**	32	35	22	**40**	32	**39**	26	PN
R3572	Residential	NCA02	29	**39**	**42**	**40**	23	**43**	35	**36**	25	**41**	35	**41**	26	PN, V
R3573	Residential	NCA02	32	**40**	**45**	**41**	27	**45**	**36**	**38**	27	**43**	35	**42**	29	PN, V
R3574	Residential	NCA02	26	32	34	33	17	**38**	30	31	21	**37**	29	35	23	PN
R3575	Residential	NCA02	28	35	35	**37**	18	**36**	33	35	24	**40**	32	**39**	25	PN
R3576	Residential	NCA02	19	30	33	30	16	35	23	25	14	30	24	31	16	-
R3577	Residential	NCA02	30	**36**	**38**	34	21	**38**	32	34	24	**42**	33	**40**	27	PN, V
R3578	Residential	NCA02	31	**37**	**43**	**39**	24	**43**	34	**36**	25	**43**	34	**41**	28	PN, V
R3579	Residential	NCA02	33	**39**	**45**	**41**	23	**45**	**37**	**39**	28	**44**	**36**	**43**	30	PN, V
R3580	Residential	NCA02	28	34	**38**	34	19	**38**	31	32	21	**40**	31	**38**	25	PN
R3581	Residential	NCA02	28	**39**	**40**	**37**	22	**44**	33	35	22	**40**	32	**39**	25	PN, V
R3582	Residential	NCA02	29	**39**	**40**	**38**	22	**44**	35	**37**	25	**41**	34	**40**	26	PN, V
R3583	Residential	NCA02	30	**36**	**42**	**39**	25	**42**	31	33	21	**41**	33	**39**	27	PN, V
R3584	Residential	NCA02	30	**40**	**43**	**41**	25	**43**	34	**36**	25	**41**	**36**	**43**	27	PN, V
R3585	Residential	NCA02	31	**37**	**43**	**39**	25	**43**	35	**37**	26	**42**	34	**41**	28	PN, V
R3586	Residential	NCA02	31	**37**	**37**	33	19	**37**	31	33	23	**43**	34	**41**	28	PN, V
R3587	Residential	NCA02	29	35	**38**	34	21	**38**	28	29	19	**41**	32	**39**	26	PN, V
R3588	Residential	NCA02	31	**40**	**46**	**42**	28	**46**	35	**37**	27	**43**	**37**	**41**	28	PN, V
R3589	Residential	NCA02	29	**36**	**42**	**38**	22	**42**	33	35	24	**41**	32	**39**	26	PN, V
R3590	Residential	NCA02	27	**38**	**40**	**36**	23	**40**	32	34	23	**39**	31	**37**	24	PN
R3591	Residential	NCA02	31	**41**	**46**	**42**	28	**46**	35	**37**	26	**43**	**36**	**42**	28	PN, V
R3592	Residential	NCA02	31	**40**	**45**	**41**	27	**45**	34	**36**	26	**42**	35	**42**	28	PN, V
R3593	Residential	NCA02	29	**40**	**45**	**41**	25	**45**	35	**36**	25	**41**	**36**	**43**	26	PN, V
R3594	Residential	NCA02	30	**41**	**46**	**42**	28	**46**	**36**	**37**	27	**42**	**36**	**42**	27	PN, V
R3595	Residential	NCA02	33	**40**	**44**	**41**	26	**44**	**37**	**39**	29	**45**	**37**	**43**	30	PN, V
R3596	Residential	NCA02	29	34	**38**	34	18	**40**	33	33	22	**40**	31	**38**	26	PN
R3597	Residential	NCA02	31	**37**	**43**	**39**	25	**43**	33	35	25	**42**	34	**40**	28	PN, V
R3598	Residential	NCA02	21	**40**	**44**	**41**	27	**44**	24	25	14	33	**36**	**41**	18	PN, V
R3599	Residential	NCA02	28	**37**	**39**	**36**	22	**39**	29	31	19	**39**	32	**39**	25	PN
R3600	Residential	NCA02	28	35	**39**	35	19	**39**	33	33	22	**40**	31	**38**	25	PN
R3601	Residential	NCA02	30	**38**	**43**	**39**	25	**43**	35	**37**	25	**42**	35	**40**	27	PN, V
R3602	Residential	NCA02	32	**39**	**44**	**40**	26	**44**	**36**	**38**	28	**43**	35	**42**	29	PN, V
R3603	Residential	NCA02	29	**36**	**40**	**37**	22	**40**	33	33	21	**40**	33	**38**	26	PN
R3604	Residential	NCA02	28	**37**	**42**	**37**	23	**42**	34	**36**	23	**39**	32	**38**	25	PN, V
R3605	Residential	NCA02	30	**39**	**42**	**39**	24	**43**	34	**36**	25	**42**	33	**40**	27	PN, V
R3606	Residential	NCA02	29	**37**	**40**	**36**	22	**39**	32	35	23	**41**	32	**39**	26	PN, V
R3607	Residential	NCA02	29	**37**	**42**	**38**	24	**42**	32	34	23	**40**	33	**39**	26	PN, V
R3608	Residential	NCA02	28	**36**	**39**	**37**	22	**39**	33	35	23	**40**	32	**38**	25	PN
R3609	Residential	NCA02	29	35	**39**	**36**	23	**40**	32	34	24	**41**	32	**39**	26	PN, V
R3610	Residential	NCA02	28	**38**	**42**	**39**	24	**42**	33	35	24	**40**	33	**39**	25	PN, V
R3611	Residential	NCA02	28	**38**	**40**	**39**	22	**41**	32	34	23	**40**	34	**38**	25	PN, V

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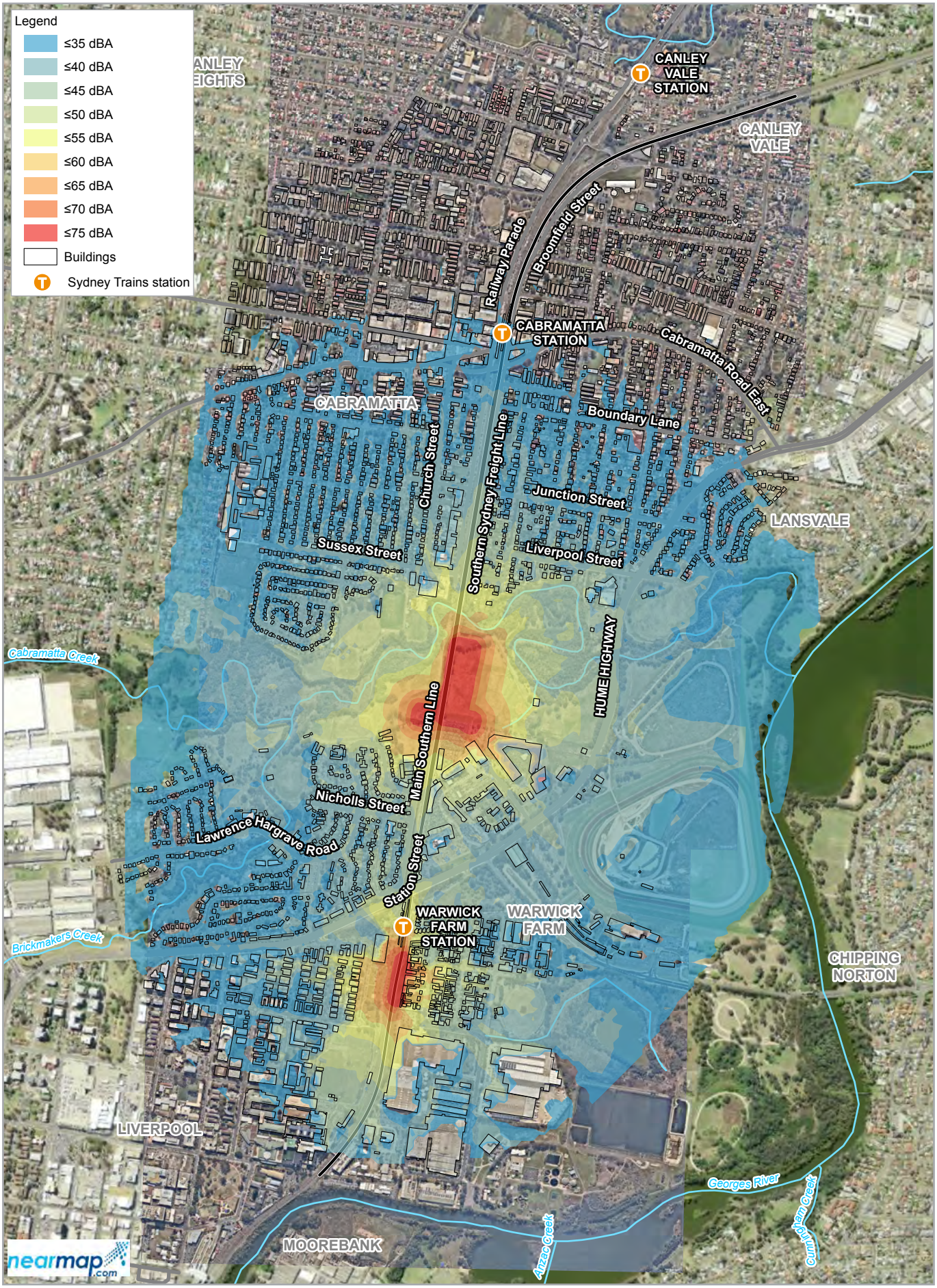
Appendix E – Construction noise contours



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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 1
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-1

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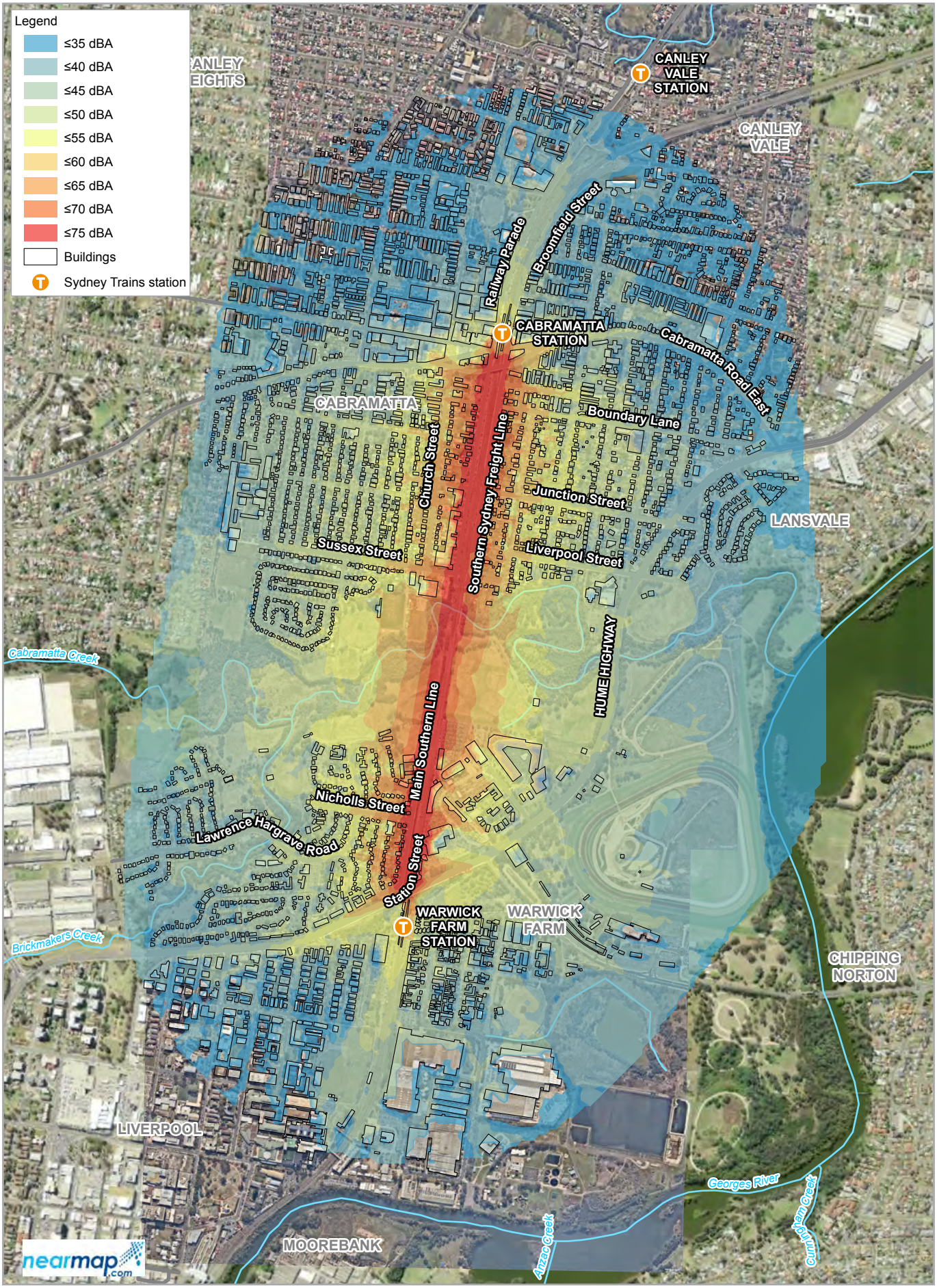
Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



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Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 2
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-2

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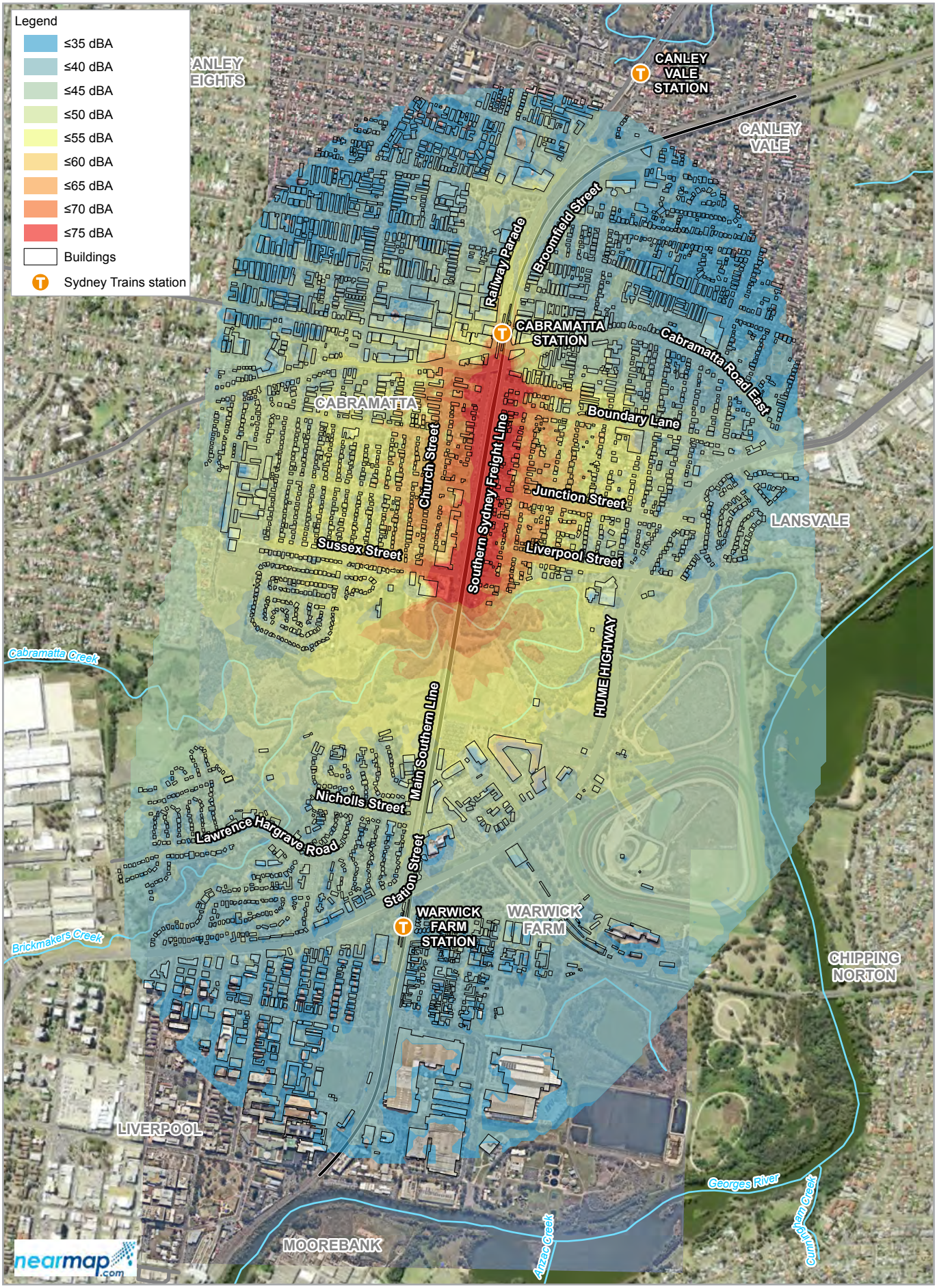

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 3
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-3

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\2219800_NVIA_E003_Construction_Contours_S3_0
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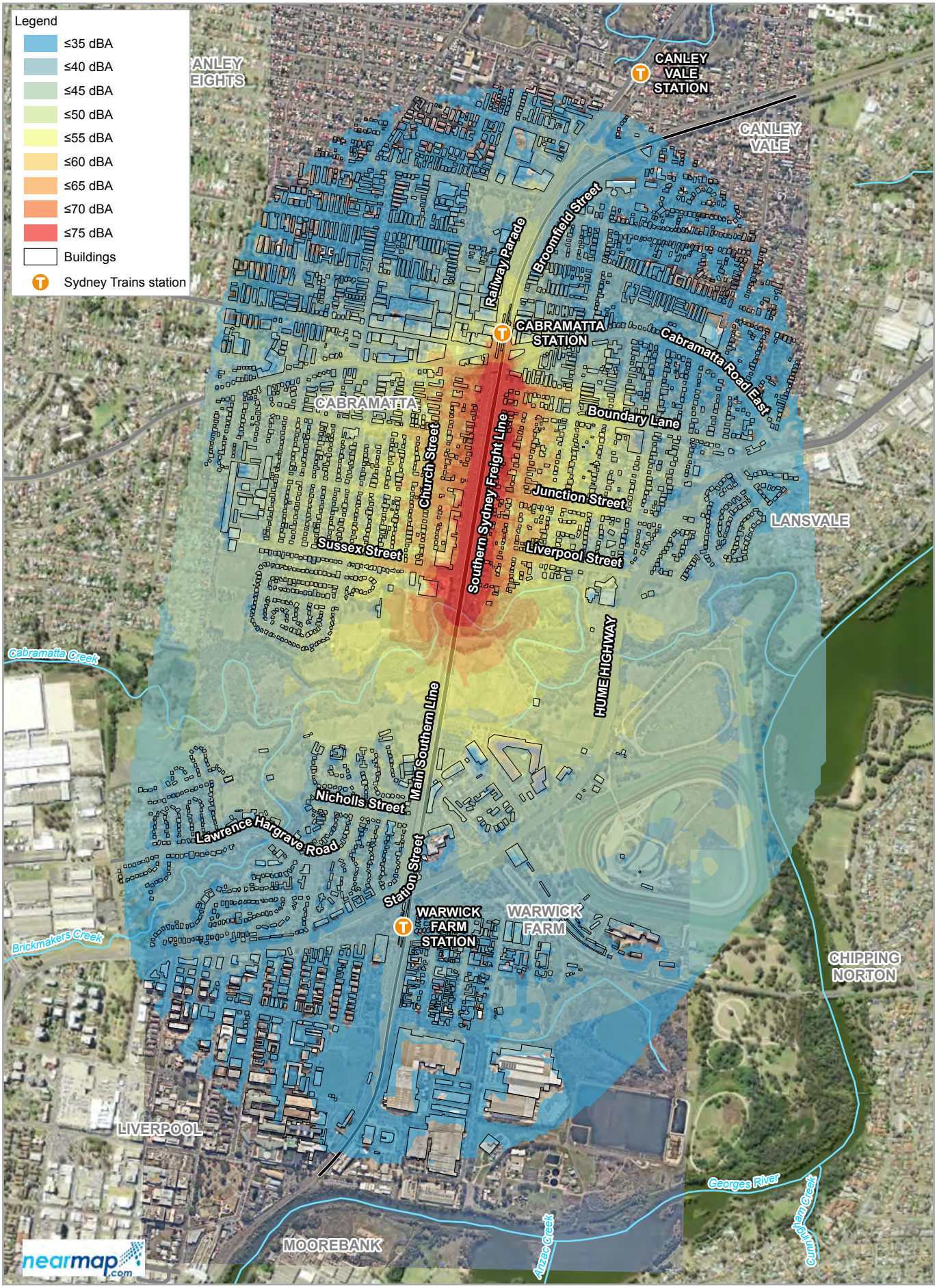

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 4
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-4

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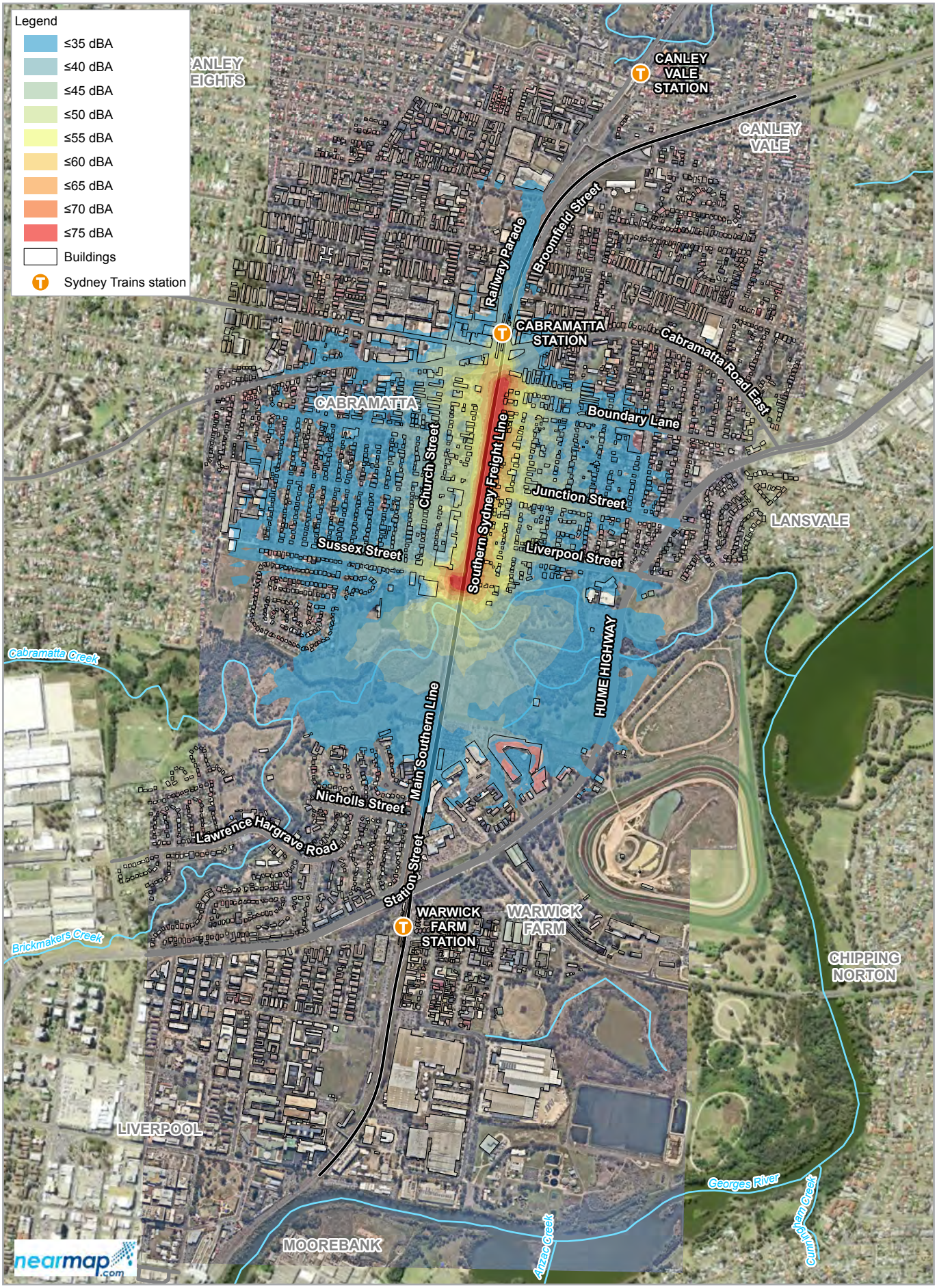

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Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 5
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-5

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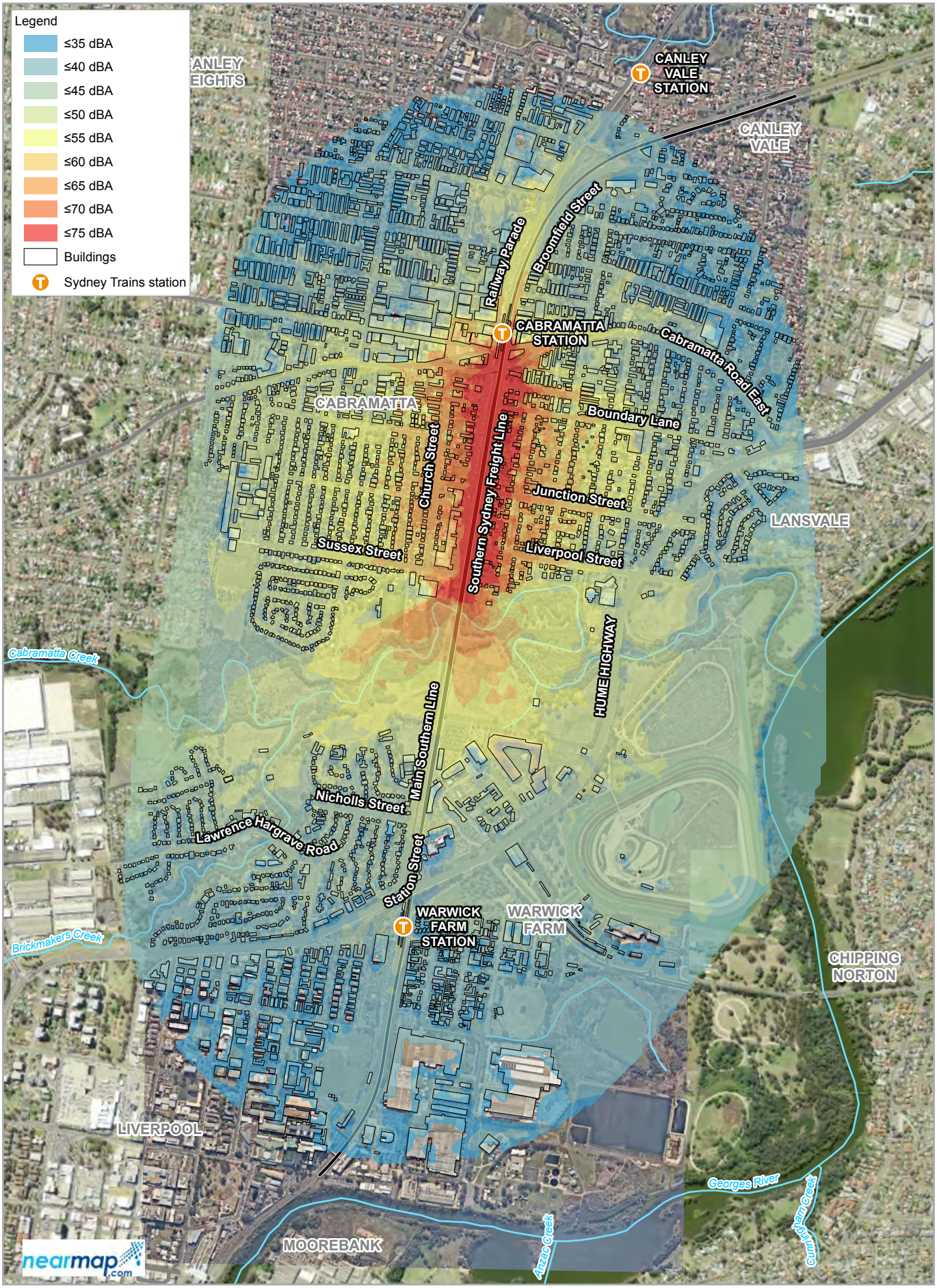

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 6
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-6

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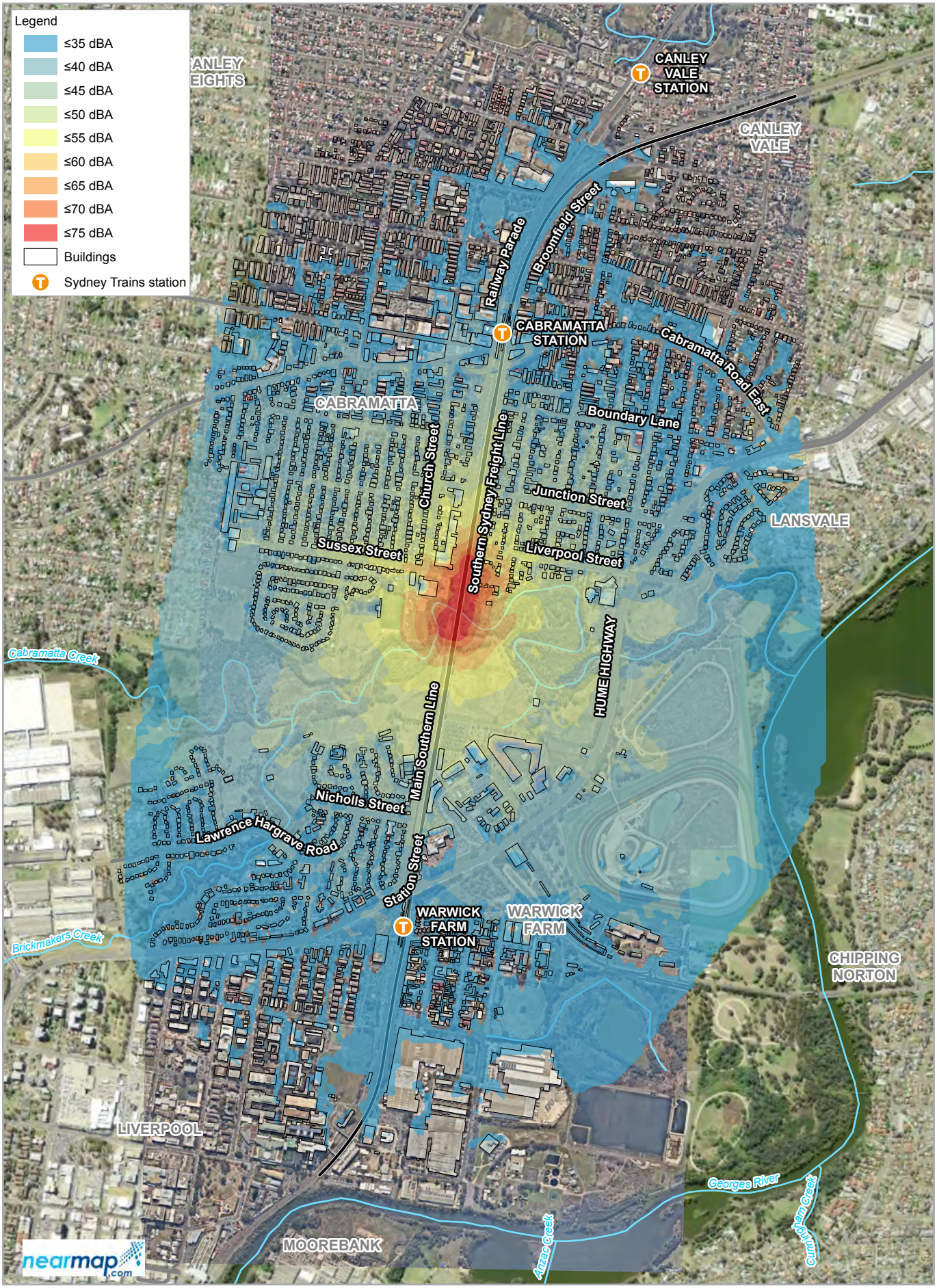

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 7
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-7

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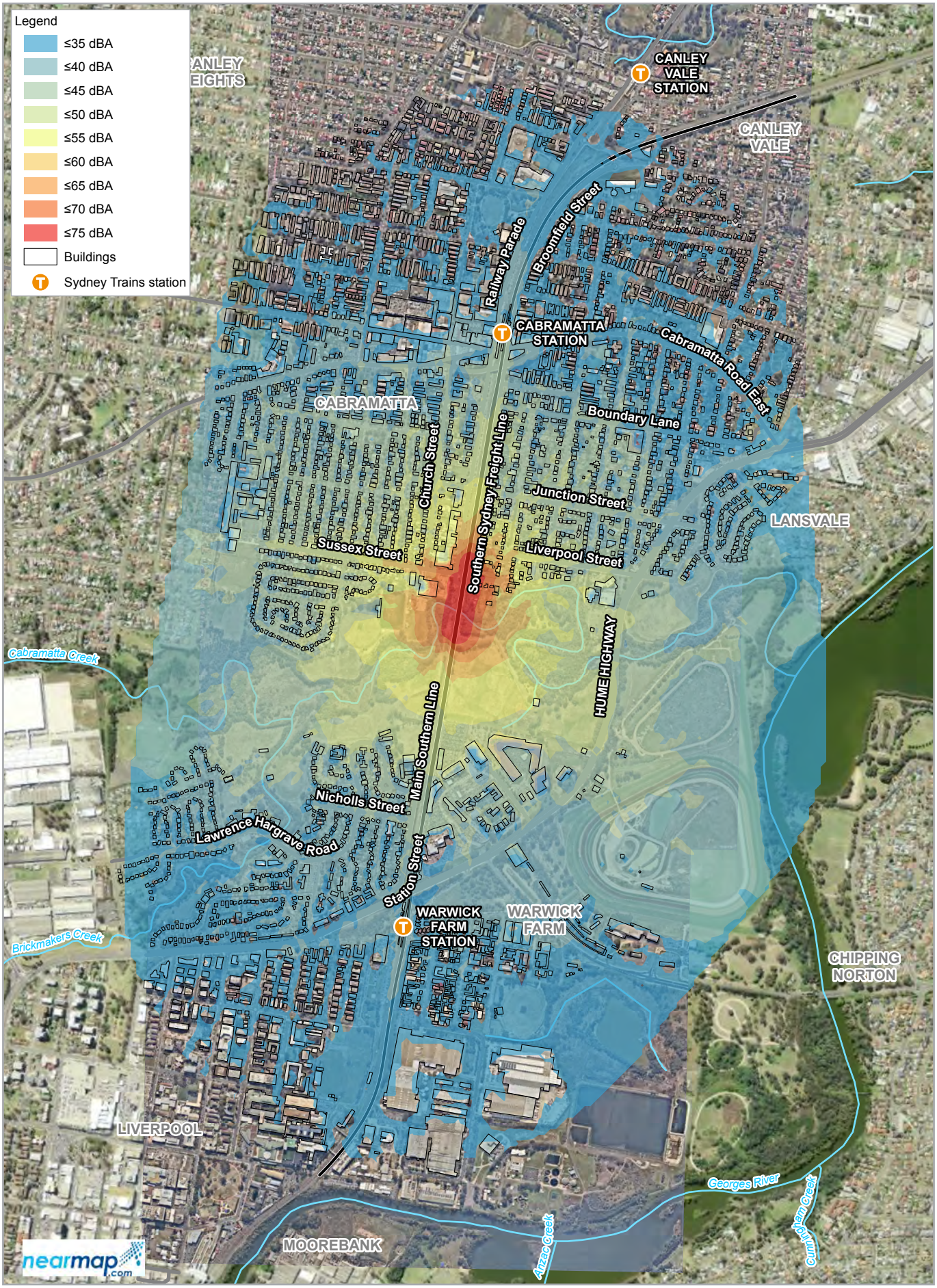

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Meters

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Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 8
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-8

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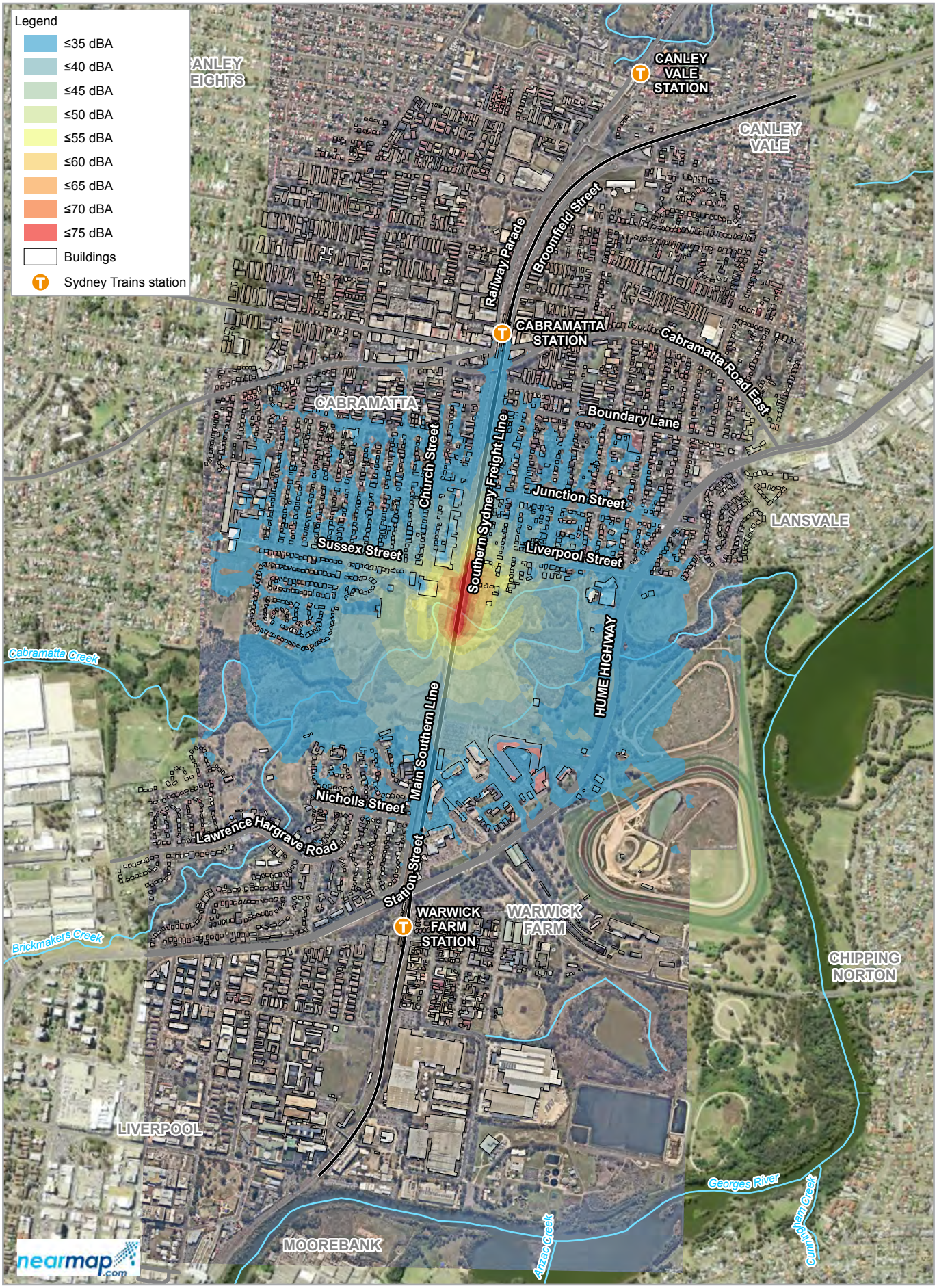
\2219800_NVIA_E008_Construction_Contours_S8_0
Print date: 11 Apr 2019 - 12:34

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 130 260 390 520

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

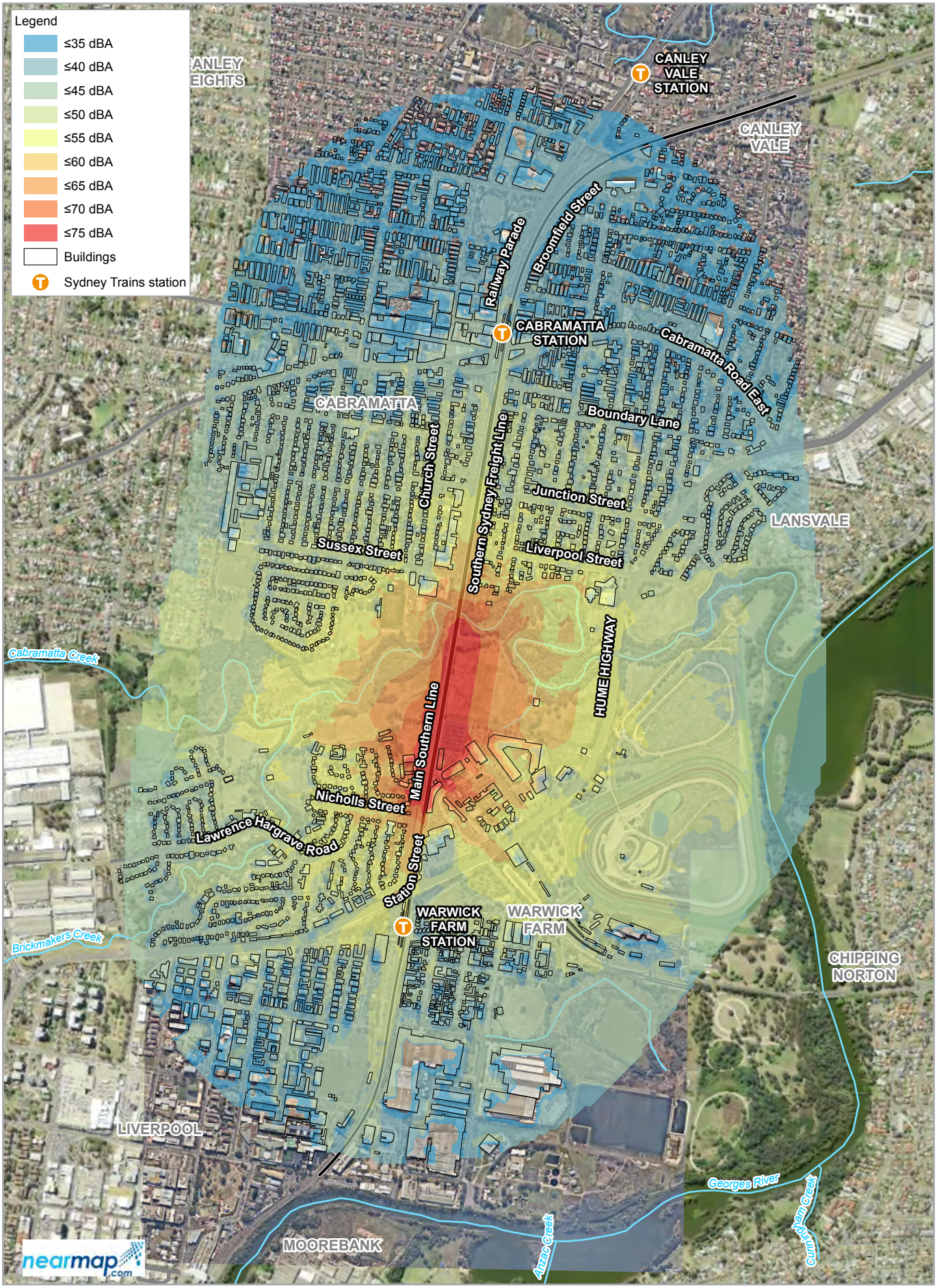
Scenario 9
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-9

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_E_0.aprx
\2219800_NVIA_E009_Construction_Contours_S9_0
Print date: 11 Apr 2019 - 12:34

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 130 260 390 520

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

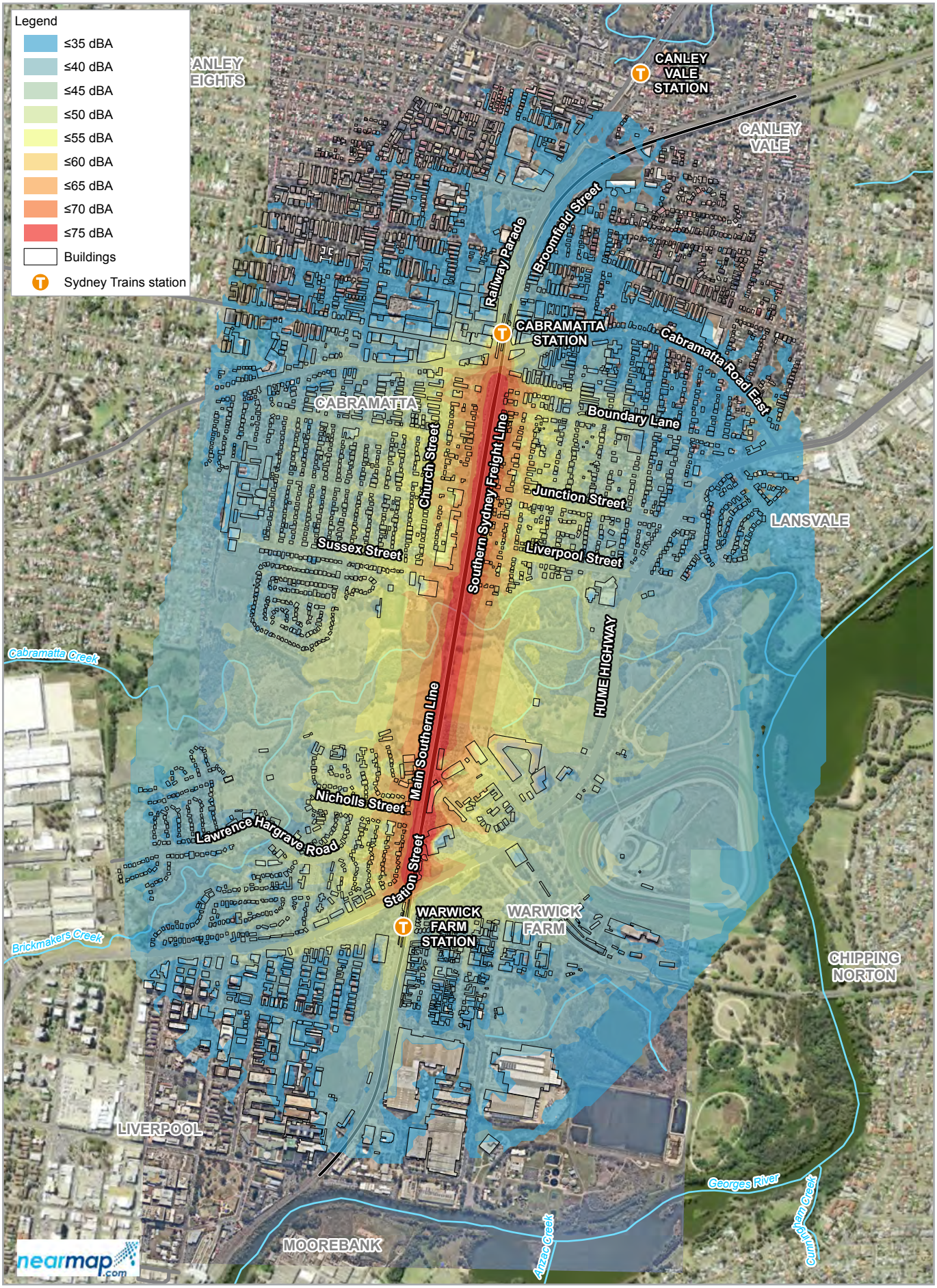
Scenario 10
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-10

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_E_0.aprx
\2219800_NVIA_E010_Construction_Contours_S10_0
Print date: 11 Apr 2019 - 12:35

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 130 260 390 520

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

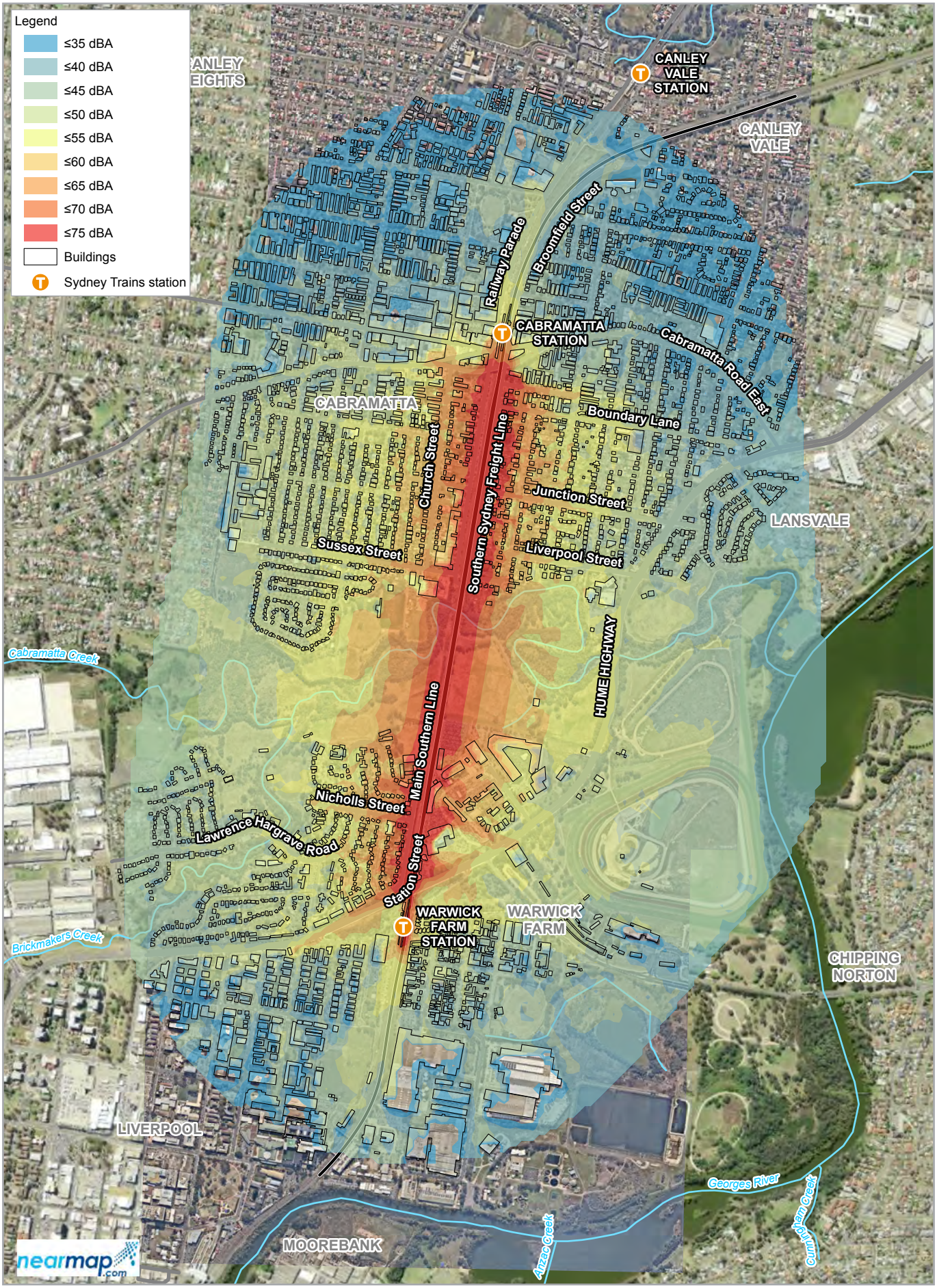
Scenario 11
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-11

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_E_0.aprx
\2219800_NVIA_E011_Construction_Contours_S11_0
Print date: 11 Apr 2019 - 12:32

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 130 260 390 520

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

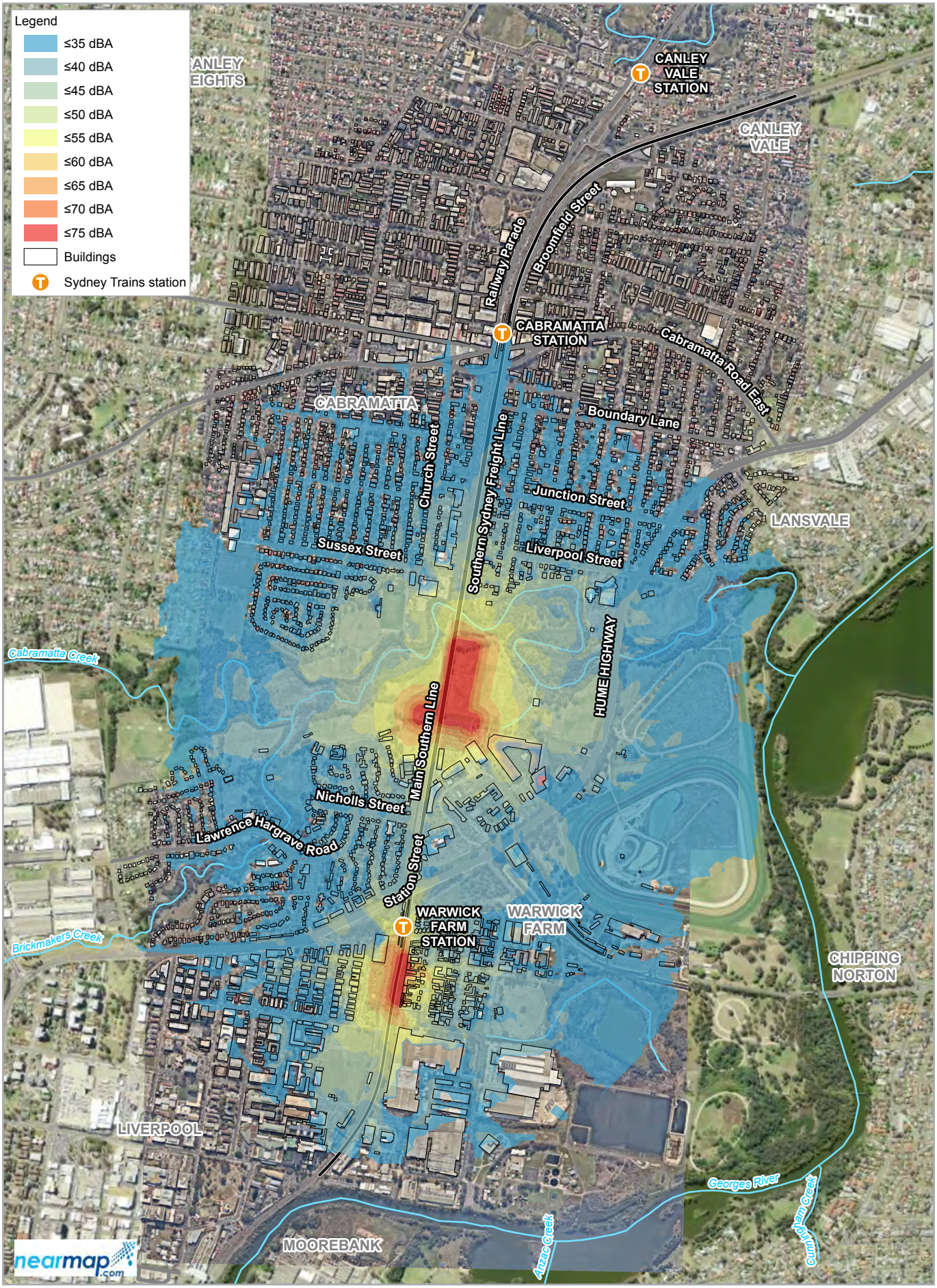
Scenario 12
Predicted construction noise levels, dBA

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-12

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_E_0.aprx
\2219800_NVIA_E012_Construction_Contours_S12_0
Print date: 11 Apr 2019 - 12:32

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 130 260 390 520

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Scenario 13
Predicted construction noise levels, dBA

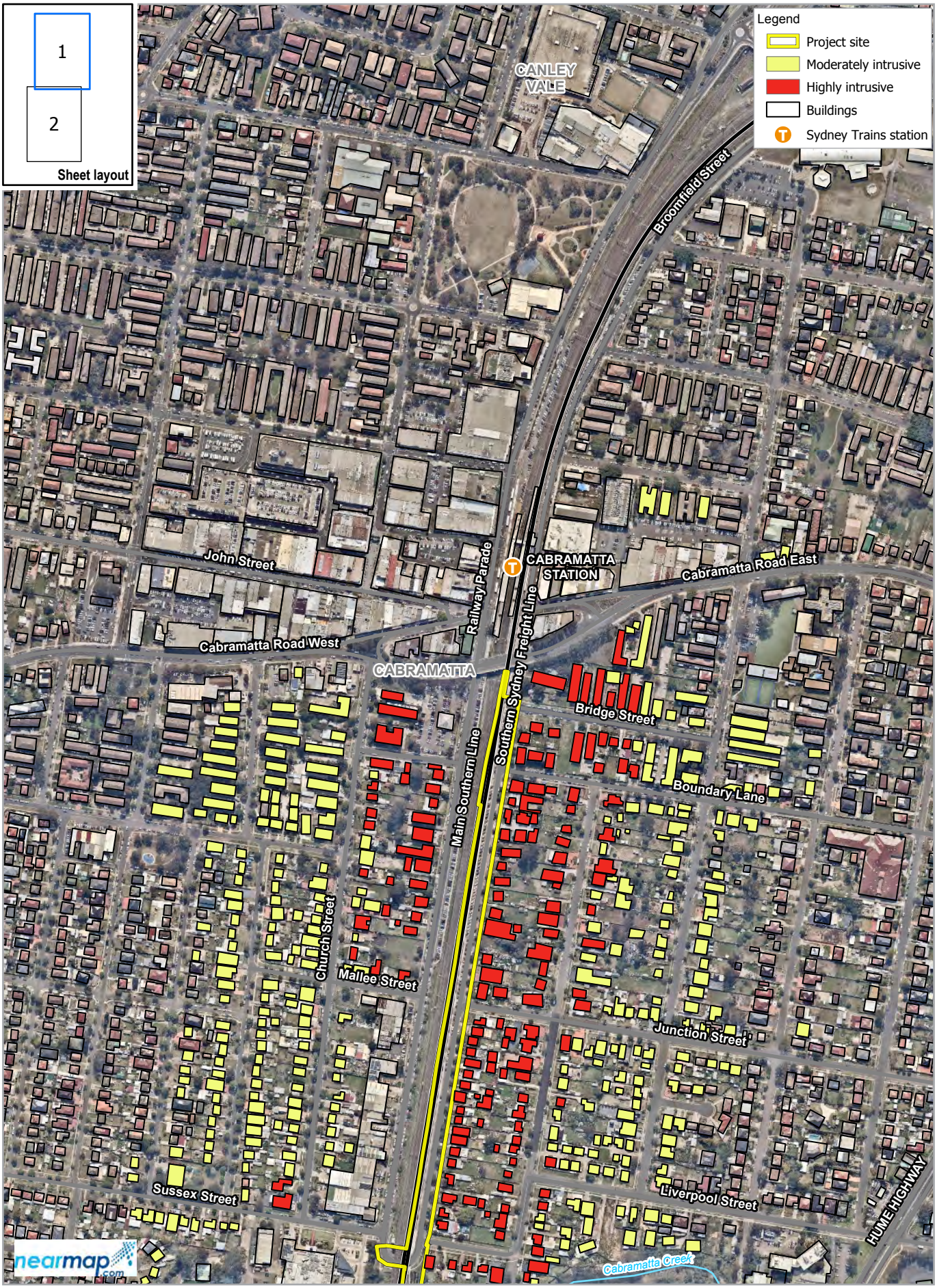
Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure E-13

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_E_0.aprx
\2219800_NVIA_E013_Construction_Contours_S13_0
Print date: 11 Apr 2019 - 12:43

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Appendix F – Construction noise management zones, standard hours



Paper Size ISO A4

0 40 80 120 160

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

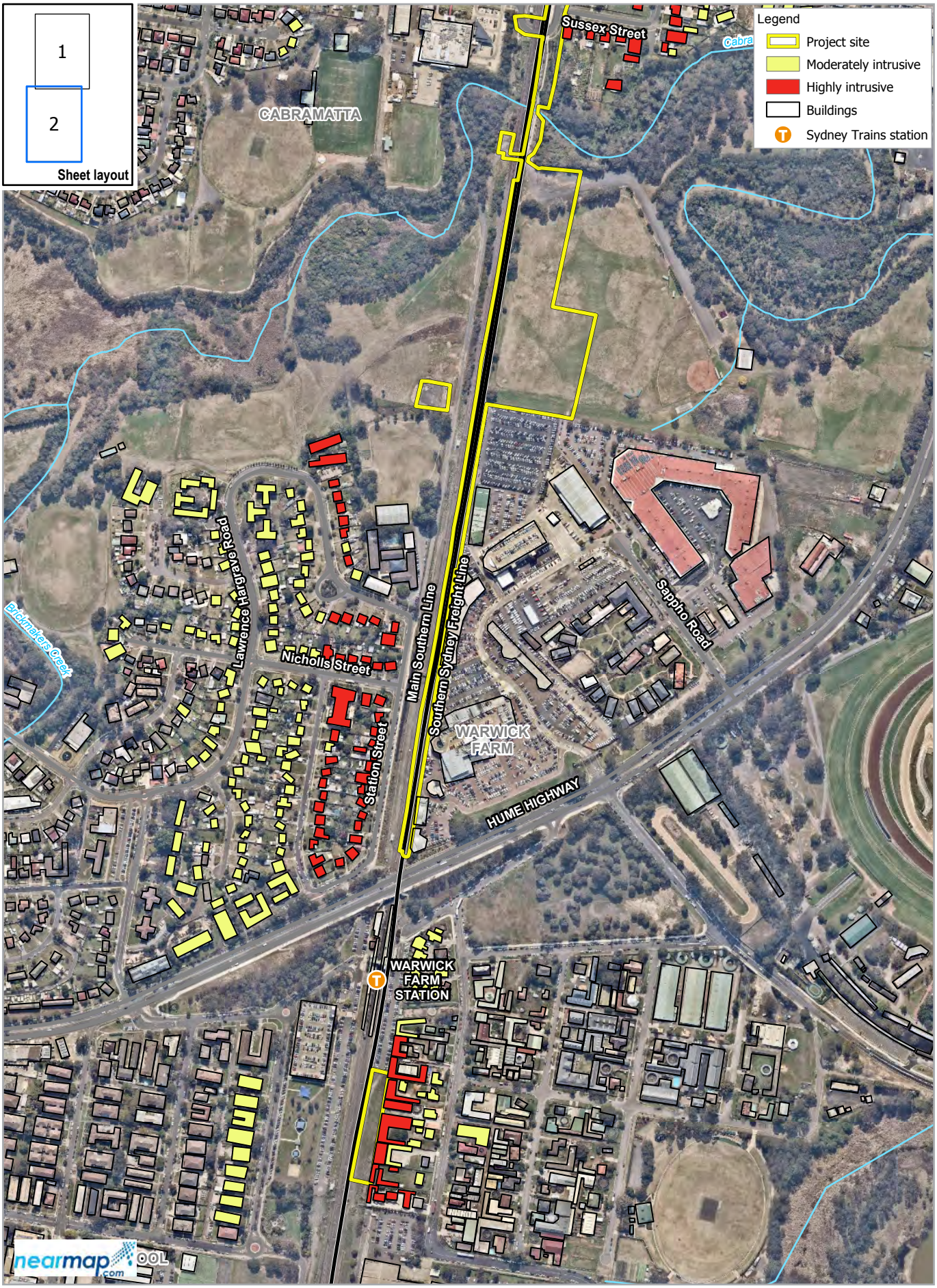
Worst-case construction noise management zones, standard hours

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure F-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_F001_Construction_NMZ_StdHRS_S1_0
Print date: 11 Apr 2019 - 13:48

Data source: LPI: DTDB\DCDB, 2017. . Created by: tmorton



Paper Size ISO A4

0 40 80 120 160

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, standard hours

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure F-2

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
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Print date: 11 Apr 2019 - 13:48

Data source: LPI: DTDB\DCDB, 2017. . Created by: tmorton

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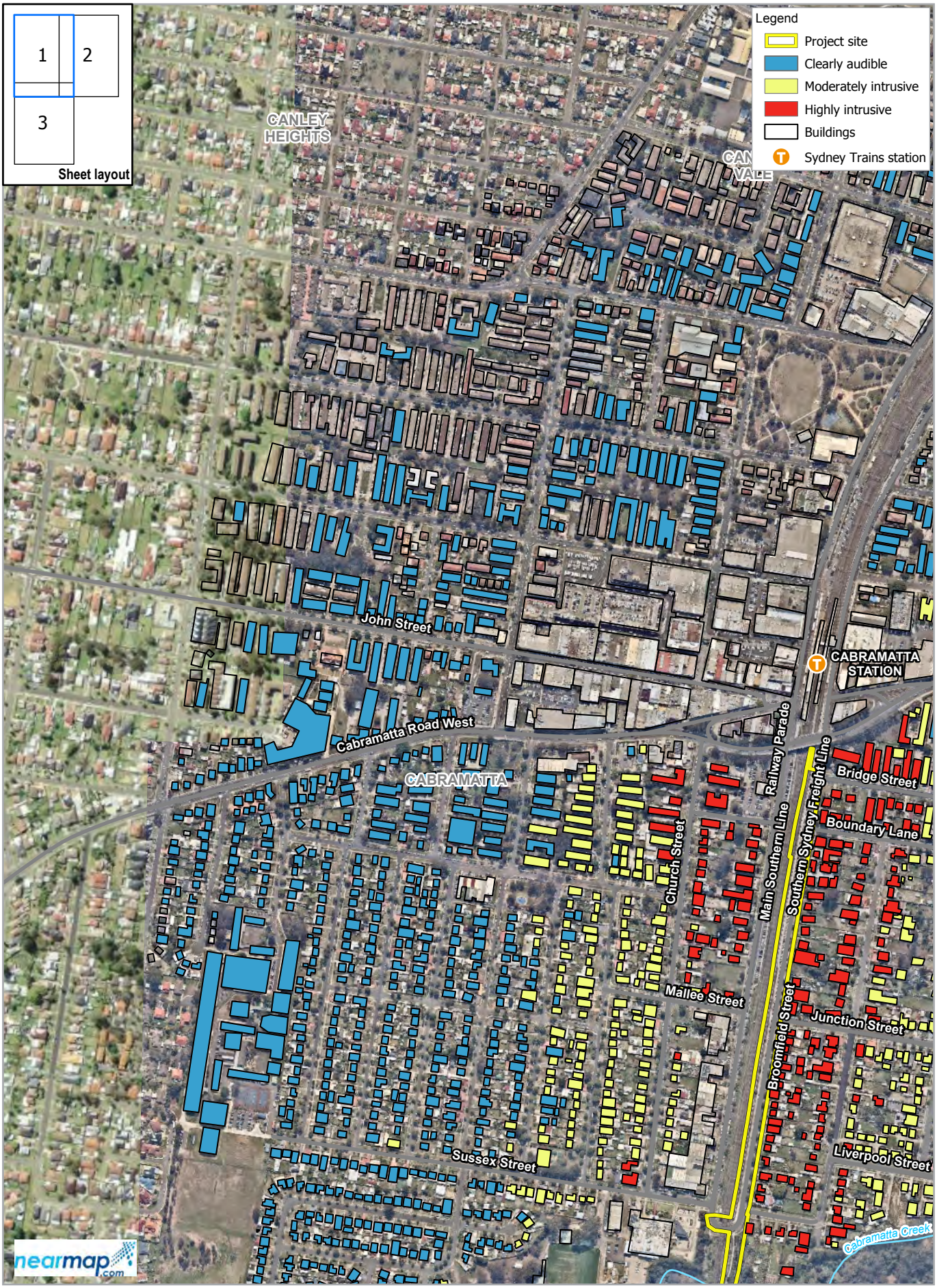
Appendix G – Construction noise management zones, OOHW (day)



Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 1 (day)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure G-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_G001_Construction_NMZ_OOWH_Day_0
Print date: 11 Apr 2019 - 13:48

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Cabramatta Rail Loop
Noise and Vibration Impact Assessment

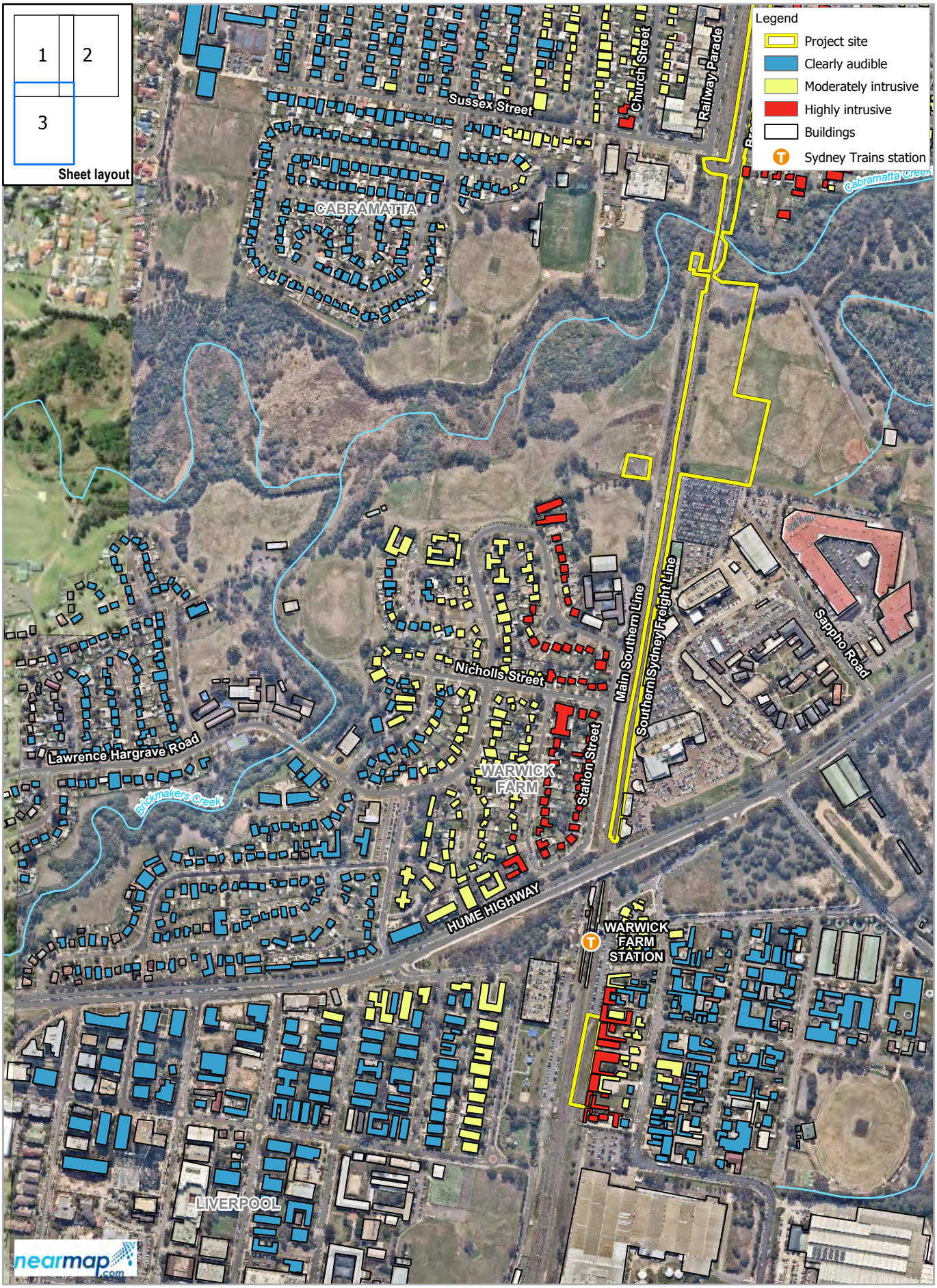
Worst-case construction noise management zones, OOHW Period 1 (day)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure G-2

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_G001_Construction_NMZ_OOWH_Day_0
Print date: 11 Apr 2019 - 13:48

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 1 (day)

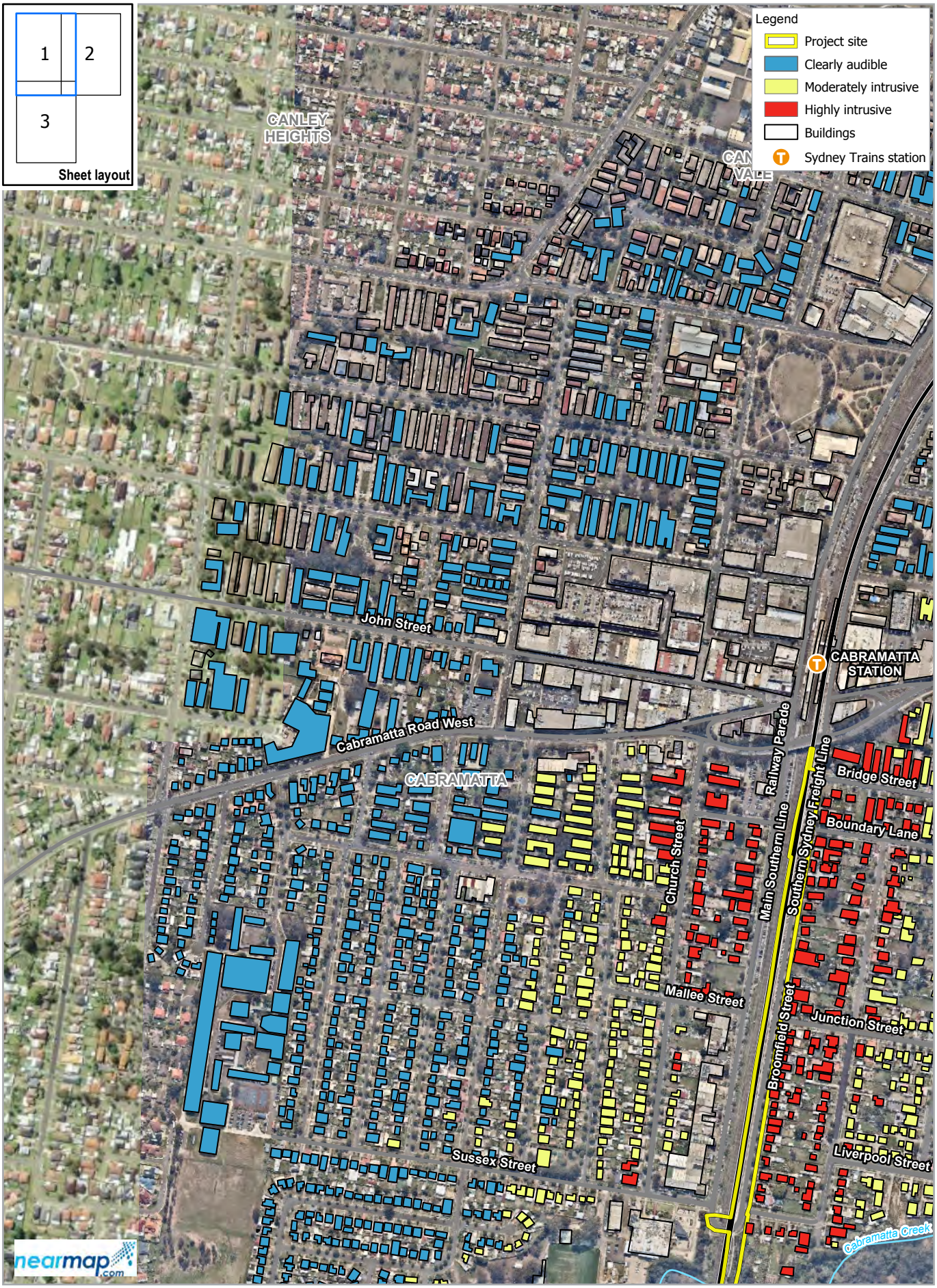
Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure G-3

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_G001_Construction_NMZ_OOWH_Day_0
Print date: 11 Apr 2019 - 13:48

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Appendix H – Construction noise management zones, OOHW (evening)



Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 1 (evening)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure H-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_H001_Construction_NMZ_OOHW_Night_P1_0
Print date: 11 Apr 2019 - 13:47

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

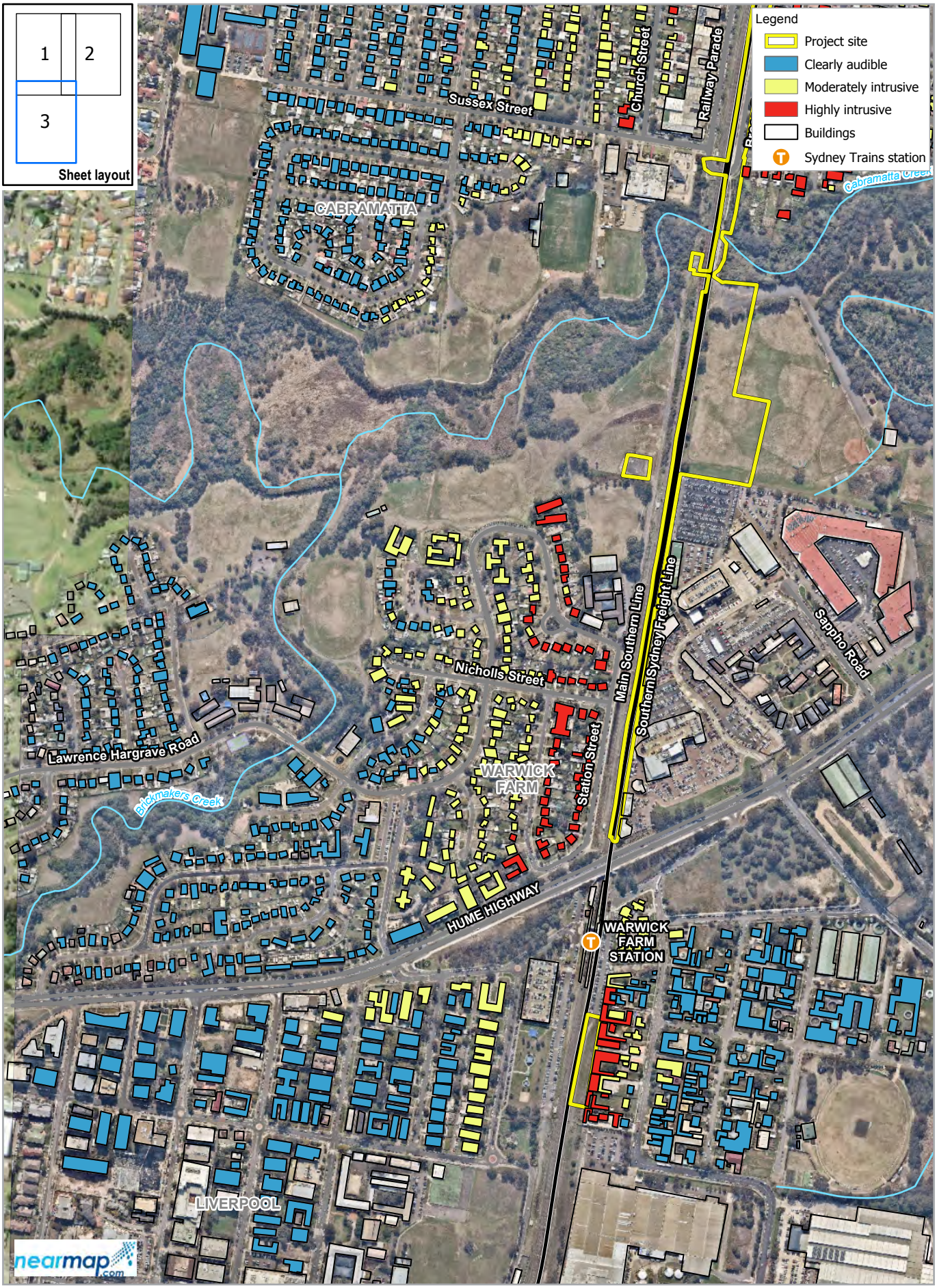
Worst-case construction noise management zones, OOHW Period 1 (evening)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure H-2

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_H001_Construction_NMZ_OOHW_Night_P1_0
Print date: 11 Apr 2019 - 13:47

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 50 100 150 200

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 1 (evening)

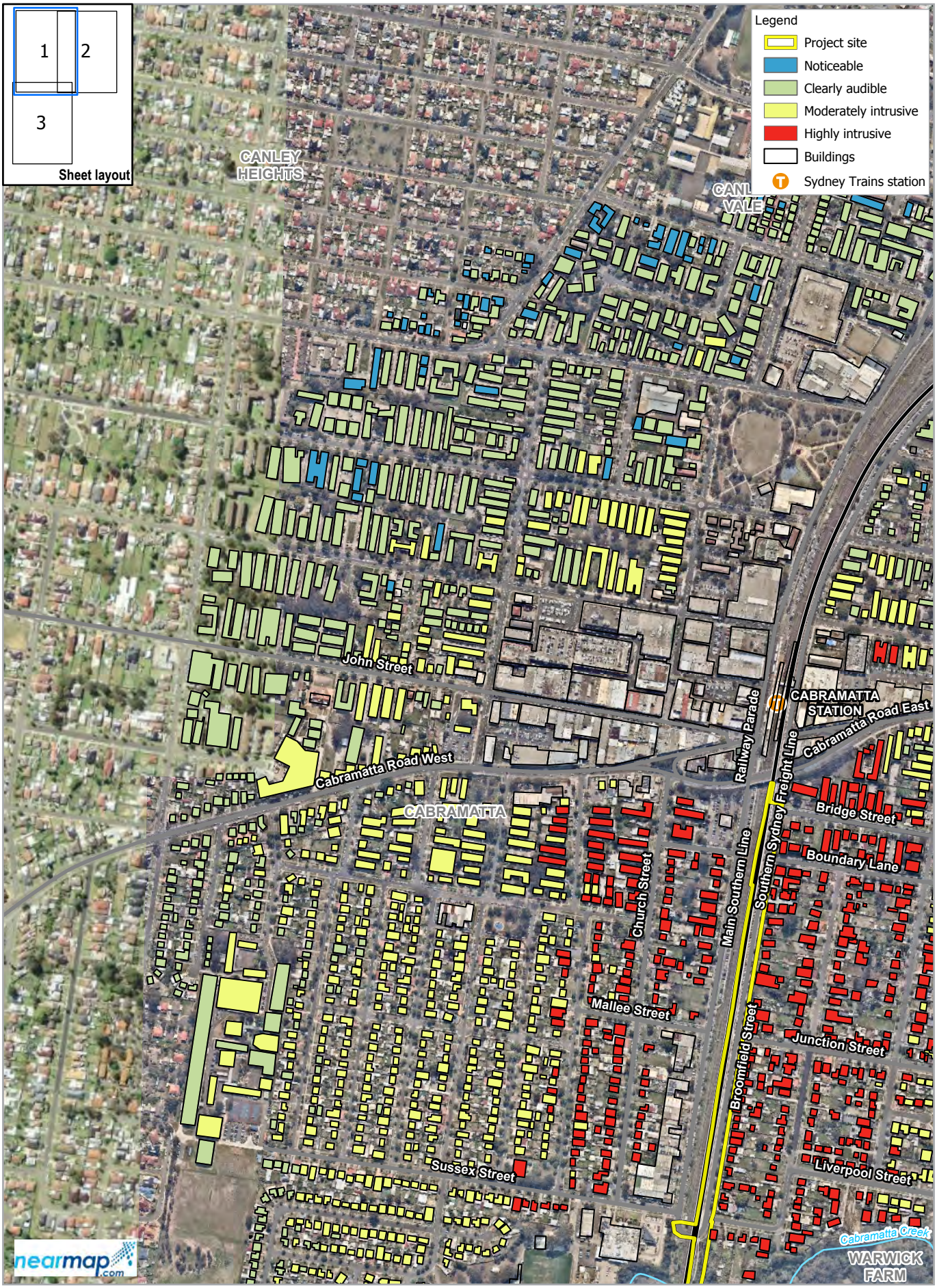
Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure H-3

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_H001_Construction_NMZ_OOHW_Night_P1_0
Print date: 11 Apr 2019 - 13:47

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Appendix I – Construction noise management zones, OOHW (night)



Paper Size ISO A4

0 60 120 180 240

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 2 (night)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure I-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_I001_Construction_NMZ_OOHW_Night_P2_0
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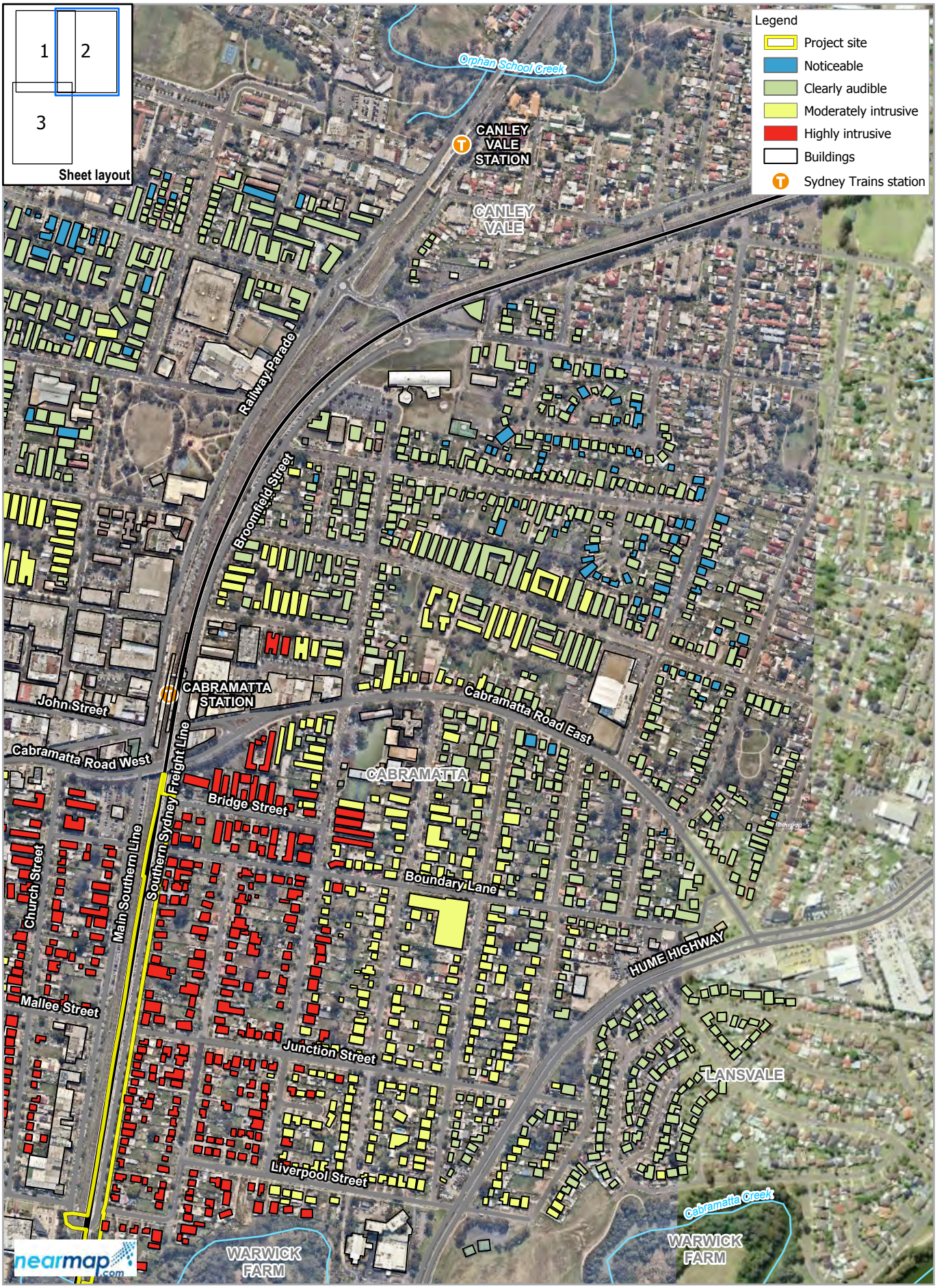
Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton



Paper Size ISO A4

0 60 120 180 240

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 2 (night)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure I-2

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
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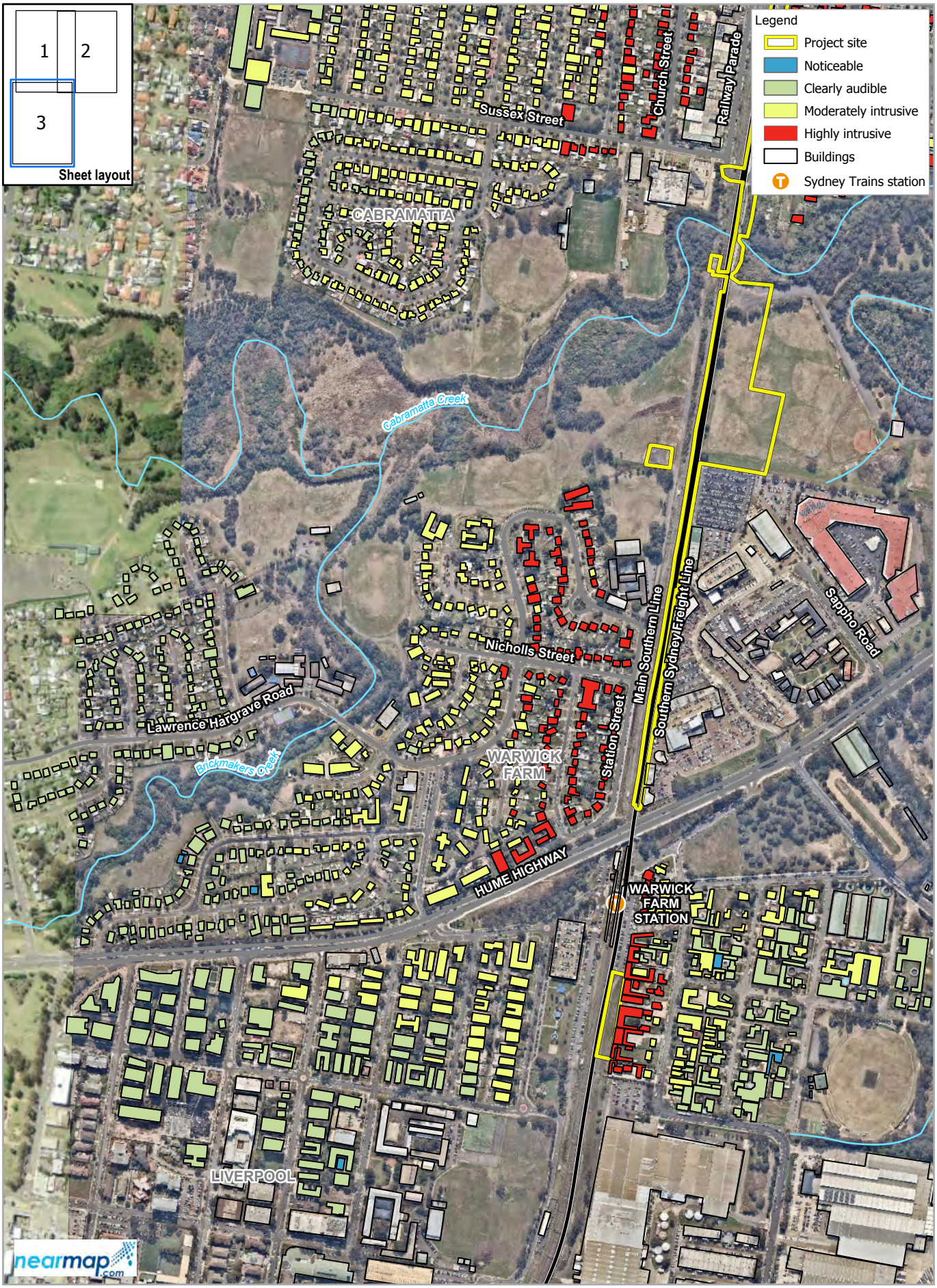

Paper Size ISO A4

0 60 120 180 240

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Worst-case construction noise management zones, OOHW Period 2 (night)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure I-3

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_F-I_0.aprx
\2219800_NVIA_I001_Construction_NMZ_OOHW_Night_P2_0
Print date: 11 Apr 2019 - 13:47

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Appendix J – Predicted operational noise results (LAeq, Day)

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0010	GF	S	292970.2	1246181.3	Residential	65	40	35	37	40	36	37	39	35	37	41	36	39	41	36	39	1.1	No
R0011	GF	N	292973.9	1246449.3	Residential	65	42	38	40	42	39	40	41	37	39	43	38	41	44	39	41	1.1	No
R0012	GF	N	292976.3	1246150.8	Residential	65	40	36	37	40	37	37	39	35	37	41	37	39	41	37	39	1.1	No
R0013	GF	S	292984.3	1246186.4	Residential	65	39	35	37	39	36	37	39	35	37	40	36	38	40	36	38	1.1	No
R0014	GF	N	292990.0	1246443.4	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	39	41	1.2	No
R0015	GF	S	292993.4	1246144.5	Residential	65	39	35	37	39	36	37	39	35	37	40	36	39	40	36	39	1.0	No
R0017	GF	NE	293004.0	1246111.5	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	39	41	1.0	No
R0018	GF	S	293000.4	1246189.1	Residential	65	40	36	38	40	37	38	40	36	38	41	37	40	41	37	40	1.0	No
R0019	GF	N	293005.9	1246401.3	Residential	65	41	37	38	41	38	38	40	36	38	42	37	40	42	38	40	1.0	No
R0020	GF	NE	293009.4	1246164.8	Residential	65	39	35	37	40	36	37	39	35	37	41	36	39	41	36	39	1.1	No
R0021	GF	N	293007.8	1246444.9	Residential	65	39	35	37	40	36	37	39	35	37	40	36	38	41	37	39	1.2	No
R0022	GF	E	293016.2	1246086.0	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0023	GF	E	293016.9	1246357.9	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.1	No
R0024	GF	E	293020.0	1246060.8	Residential	65	44	39	42	44	40	41	43	39	41	45	40	43	45	41	43	1.0	No
R0025	GF	S	293013.7	1246197.5	Residential	65	40	36	38	40	37	38	40	35	38	41	37	39	41	37	39	0.9	No
R0027	GF	E	293024.1	1245900.6	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	1.1	No
R0028	GF	NE	293020.9	1246111.0	Residential	65	40	36	38	40	37	38	40	36	38	41	37	40	41	37	40	1.1	No
R0029	GF	E	293024.3	1245918.2	Residential	65	41	37	39	41	38	39	41	37	39	42	38	40	42	38	41	1.1	No
R0030	GF	E	293025.8	1246294.6	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R0031	GF	S	293023.1	1246246.9	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.0	No
R0032	GF	E	293029.0	1246276.9	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R0033	GF	NE	293029.4	1246344.8	Residential	65	41	37	38	41	38	39	41	37	38	42	38	40	42	38	40	1.0	No
R0034	GF	N	293024.3	1246402.5	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	42	37	40	1.1	No
R0035	GF	SE	293027.6	1246160.5	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	41	1.1	No
R0036	GF	E	293028.9	1246311.1	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0037	GF	E	293030.6	1246447.1	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	1.0	No
R0038	GF	E	293030.0	1246327.3	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0039	GF	SE	293032.1	1245930.0	Residential	65	39	35	37	39	36	37	39	35	37	40	36	39	41	36	39	1.1	No
R0039	F 1	SE	293032.1	1245930.0	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	44	39	42	1.3	No
R0040	GF	E	293036.4	1246208.3	Residential	65	43	38	40	43	39	40	42	38	40	44	39	42	44	40	42	1.0	No
R0041	GF	SE	293030.8	1246114.1	Residential	65	40	36	38	40	37	38	40	36	38	42	37	40	42	37	40	1.1	No
R0043	GF	N	293031.8	1246190.8	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0044	GF	S	293034.7	1246345.8	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.1	No
R0045	GF	N	293037.9	1246406.0	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	42	37	40	1.1	No
R0046	GF	NW	293034.0	1245948.6	Residential	65	41	37	39	42	38	39	41	37	38	42	38	40	43	39	41	1.1	No
R0047	GF	N	293041.3	1246264.5	Residential	65	43	39	40	43	40	40	42	38	40	44	39	42	44	40	42	1.0	No
R0048	GF	NW	293040.8	1246131.5	Residential	65	40	36	37	40	37	37	39	35	37	41	36	39	41	37	39	1.1	No
R0050	GF	SE	293067.1	1246356.3	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	1.0	No
R0051	GF	NW	293050.3	1245963.6	Residential	65	42	38	40	42	39	40	41	37	39	43	39	41	43	39	41	1.1	No
R0052	GF	N	293056.3	1246262.0	Residential	65	42	38	39	42	39	39	41	38	39	43	39	41	43	39	41	0.9	No
R0053	GF	E	293062.2	1246404.6	Residential	65	41	36	38	41	37	39	40	36	38	42	37	40	42	37	40	1.0	No
R0054	GF	E	293064.7	1246344.8	Residential	65	43	39	41	43	40	40	42	38	40	44	39	42	44	40	42	1.0	No
R0055	GF	E	293064.3	1245907.6	Residential	65	39	35	37	39	36	37	39	35	37	40	36	39	41	36	39	1.1	No
R0055	F 1	E	293064.3	1245907.6	Residential	65	43	39	41	43	40	40	42	38	40	44	39	42	44	40	42	1.1	No
R0056	GF	E	293066.5	1246330.5	Residential	65	43	39	41	43	40	40	42	38	40	44	39	42	44	40	42	1.1	No
R0057	GF	E	293071.1	1246296.2	Residential	65	43	39	40	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R0058	GF	SE	293067.8	1246129.7	Residential	65	43	39	41	44	40	41	43	39	41	44	40	43	45	40	43	1.0	No
R0059	GF	NE	293070.0	1246378.0	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	1.0	No
R0060	GF	N	293068.6	1245971.8	Residential	65	43	39	40	43	40	40	42	38	40	44	39	42	44	40	42	1.1	No
R0060	F 1	N	293068.6	1245971.8	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	44	1.0	No
R0061	GF	E	293073.1	1246312.9	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0062	GF	N	293069.6	1246215.7	Residential	65	42	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0063	GF	E	293074.5	1246280.6	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0064	GF	NE	293075.4	1246465.6	Residential	65	40	36	37	40	37	37	40	36	37	41	37	39	41	37	39	1.0	No
R0065	GF	E	293078.8	1246257.1	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0066	GF	E	293079.0	1246150.2	Residential	65	44	40	42	44	41	42	43	39	41	45	40	43	45	41	43	1.0	No
R0067	GF	E	293079.2	1246183.2	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	1.0	No
R0068	GF	E	293078.1	1246167.3	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0069	GF	S	293075.3	1246410.8	Residential	65	41	37	39	41	38	39	41	37	39	42	38	40	42	38	41	1.0	No
R0071	GF	NE	293086.0	1245925.8	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	1.1	No
R0072	GF	W	293074.9	1245907.6	Residential	65	39	35	37	39	36	36	39	35	37	40	36	38	40	36	38	1.2	No
R0074	GF	E	293088.8	1246499.9	Residential	65	42	38	39	42	39	39	41	37	39	43	38	41	43	39	41	1.1	No
R0075	GF	N	293084.2	1246217.5	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.9	No
R0075	F 1	N	293084.2	1246217.5	Residential	65	46	42	44	46	43	44	46	41	43	47	42	45	47	43	45	0.9	No
R0076	GF	E	293089.9	1246480.1	Residential	65	42	38	40	43	39	40	42	38	40	43	39	42	44	39	42	1.1	No
R0077	GF	NE	293089.5	1246384.6	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0079	GF	N	293085.4	1245969.0	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.2	No
R0080	GF	S	293090.9	1246414.1	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0081	GF	SE	293096.3	1246459.9	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.0	No
R0084	GF	E	293101.5	1245902.4	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	1.0	No
R0085	GF	E	293099.8	1245920.5	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	1.1	No
R0085	F 1	E	293099.8	1245920.5	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	1.0	No
R0086	GF	NE	293104.1	1246518.4	Residential	65	42	38	39	42	39	39	41	37	39	43	38	41	43	39	41	1.1	No
R0087	GF	E	293106.2	1245981.0	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.2	No
R0089	GF	N	293100.6	1246215.9	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	0.9	No
R0090	GF	N	293100.3	1245972.8	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.0	No
R0090	F 1	N	293100.3	1245972.8	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	42	44	1.1	No
R0091	GF	NE	293111.5	1246374.7	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0092	GF	SE	293105.4	1246416.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R0093	GF	E	293114.5	1246334.2	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0095	GF	E	293114.0	1246284.1	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0096	GF	N	293108.2	1246263.4	Residential	65	42	38	39	42	39	39	41	37	39	43	38	41	43	39	41	1.1	No
R0097	GF	E	293113.9	1246316.4	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0098	GF	E	293113.3	1246300.8	Residential	65	43	39	41	43	40	41	43	38	40	44	39	42	44	40	42	1.1	No
R0099	GF	E	293112.9	1246352.5	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0101	GF	N	293110.7	1245926.1	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.0	No
R0102	GF	E	293123.2	1246512.8	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	45	41	42	0.9	No
R0103	GF	N	293116.6	1246217.4	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.0	No
R0104	GF	N	293117.9	1245976.4	Residential	65	43	39	41	43	40	41	42	38	40	44	39	42	44	40	42	1.1	No
R0105	GF	S	293119.5	1246424.4	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R0106	GF	S	293123.7	1246254.1	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0107	GF	N	293125.4	1245926.5	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	43	1.1	No
R0108	GF	NE	293132.7	1246504.9	Residential	65	43	40	41	44	41	41	43	39	41	45	40	42	45	41	43	0.9	No
R0110	GF	N	293134.2	1246220.1	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0111	GF	NE	293140.8	1246439.5	Residential	65	44	40	42	44	41	42	43	39	41	45	40	43	45	41	43	1.0	No
R0112	GF	S	293135.8	1246472.8	Residential	65	42	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0115	GF	N	293136.8	1245972.5	Residential	65	41	37	38	41	38	38	40	36	38	42	37	40	42	38	40	1.2	No
R0115	F 1	N	293136.8	1245972.5	Residential	65	45	41	43	45	42	43	44	40	42	46	41	44	46	42	44	1.0	No
R0116	GF	E	293145.8	1246376.8	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0117	GF	N	293145.3	1246355.7	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.1	No
R0118	GF	N	293141.4	1245924.7	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0119	GF	SE	293145.4	1246255.4	Residential	65	42	38	40	43	39	40	42	38	40	43	39	42	44	39	42	1.0	No
R0120	GF	E	293146.7	1246366.7	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0121	GF	E	293149.6	1246398.2	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0123	GF	E	293154.2	1246334.0	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0124	GF	S	293152.9	1246479.8	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.8	No
R0125	GF	E	293158.3	1246318.9	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R0126	GF	E	293156.2	1246555.0	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	0.8	No
R0127	GF	SE	293157.5	1246568.9	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R0128	GF	E	293159.3	1246304.6	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R0129	GF	SE	293156.2	1245962.9	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.1	No
R0130	GF	S	293153.5	1246433.9	Residential	65	43	39	41	44	40	41	43	39	41	44	40	43	44	40	43	0.9	No
R0131	GF	E	293164.4	1246264.4	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0132	GF	E	293160.9	1246286.8	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	41	43	1.0	No
R0133	GF	N	293150.9	1246226.6	Residential	65	44	40	42	44	41	42	43	39	41	45	40	43	45	41	43	1.1	No
R0134	GF	E	293163.8	1246543.3	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	0.8	No
R0135	GF	NW	293155.5	1245926.3	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	43	0.9	No
R0137	GF	NE	293165.7	1246413.2	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R0138	GF	E	293170.9	1246526.7	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	0.8	No
R0139	GF	S	293168.6	1246439.1	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R0140	GF	NE	293170.2	1246590.3	Residential	65	48	44	45	48	45	45	47	44	44	49	45	46	49	45	46	0.6	No
R0141	GF	N	293170.6	1246222.0	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	41	43	1.1	No
R0142	GF	N	293171.4	1245930.5	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	45	40	43	1.2	No
R0142	F 1	N	293171.4	1245930.5	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	1.0	No
R0143	GF	SE	293176.3	1245977.6	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	44	39	42	1.2	No
R0143	F 1	SE	293176.3	1245977.6	Residential	65	44	40	42	44	41	42	43	39	41	45	40	43	45	41	43	1.1	No
R0144	GF	E	293178.3	1246509.2	Residential	65	46	42	43	46	43	44	45	41	43	47	42	45	47	43	45	0.7	No
R0145	GF	S	293170.7	1246029.6	Residential	65	37	34	35	38	35	35	37	33	35	39	34	37	39	35	37	1.1	No
R0146	GF	E	293182.4	1246494.1	Residential	65	46	42	43	46	43	44	45	42	43	47	42	45	47	43	45	0.8	No
R0147	GF	N	293179.8	1246051.3	Residential	65	38	34	36	38	35	36	38	34	36	39	35	37	39	35	37	1.0	No
R0148	GF	E	293187.2	1245995.7	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0149	GF	NE	293185.1	1246404.2	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	0.9	No
R0151	GF	E	293194.0	1246014.5	Residential	65	44	40	42	44	41	42	43	40	41	45	41	43	45	41	43	1.1	No
R0151	F 1	E	293194.0	1246014.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	43	45	1.0	No
R0152	GF	N	293186.5	1246590.4	Residential	65	48	44	46	48	45	46	47	44	44	49	45	46	49	45	47	0.6	No
R0153	GF	N	293183.5	1246457.9	Residential	65	42	39	40	43	40	40	42	38	40	44	39	42	44	40	42	1.2	No
R0154	GF	N	293184.6	1245932.1	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	42	1.0	No
R0155	GF	E	293185.5	1245908.2	Residential	65	42	37	39	42	38	39	41	37	39	43	38	41	43	39	41	1.1	No
R0158	GF	E	293190.7	1246370.8	Residential	65	45	41	43	45	42	42	44	40	42	46	42	44	46	42	44	1.1	No
R0159	GF	N	293187.7	1246222.3	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R0160	GF	NE	293192.4	1246389.7	Residential	65	45	41	43	45	42	43	44	40	42	46	41	44	46	42	44	1.0	No
R0161	GF	E	293191.3	1246351.7	Residential	65	45	41	42	45	42	43	44	41	42	46	42	44	46	42	44	0.9	No
R0163	GF	E	293193.9	1246335.5	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.1	No
R0164	GF	E	293198.6	1246033.7	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R0164	F 1	E	293198.6	1246033.7	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0165	GF	E	293196.0	1246273.4	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0166	GF	E	293197.1	1246324.2	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R0168	GF	E	293198.2	1246301.5	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0169	GF	S	293195.3	1246277.9	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.0	No
R0170	GF	NE	293202.8	1246578.5	Residential	65	48	45	46	49	46	46	48	44	45	49	45	47	49	46	47	0.6	No
R0171	GF	SE	293209.3	1246053.0	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	1.0	No
R0171	F 1	SE	293209.3	1246053.0	Residential	65	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	1.0	No
R0172	GF	N	293196.3	1246268.5	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0174	GF	E	293205.1	1246560.6	Residential	65	48	45	46	49	46	46	48	44	45	49	45	47	50	46	47	0.6	No
R0175	GF	E	293210.9	1245907.8	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.1	No
R0176	GF	NE	293221.5	1246094.8	Residential	65	44	40	42	45	41	42	44	40	42	45	41	44	46	41	44	1.2	No
R0177	GF	E	293207.4	1246544.7	Residential	65	48	44	46	49	46	46	48	44	45	49	45	47	49	46	47	0.6	No
R0178	GF	N	293203.4	1246465.2	Residential	65	42	38	39	42	39	39	41	37	39	43	38	40	43	39	41	1.1	No
R0179	GF	S	293204.1	1247567.1	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	46	0.9	No
R0180	GF	N	293205.7	1246224.5	Residential	65	44	40	42	44	41	42	43	40	41	45	41	43	45	41	43	1.0	No
R0181	GF	N	293206.7	1245935.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0182	GF	E	293213.3	1246530.6	Residential	65	48	45	46	49	46	46	48	44	45	49	45	47	50	46	47	0.7	No
R0183	GF	N	293212.3	1246269.3	Residential	65	44	40	41	44	41	41	44	40	41	45	41	43	45	41	43	1.0	No
R0184	GF	E	293216.0	1246289.8	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	45	41	44	0.9	No
R0185	GF	N	293213.6	1246513.6	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	0.9	No
R0186	GF	SE	293220.0	1247581.6	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	0.8	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0187	GF	E	293234.1	1246377.5	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.8	No
R0188	GF	E	293228.0	1246408.3	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	45	46	0.8	No
R0189	GF	S	293219.2	1247595.8	Residential	65	45	41	43	45	42	42	44	40	42	46	41	44	46	42	44	0.9	No
R0189	F 1	S	293219.2	1247595.8	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	47	0.8	No
R0190	GF	N	293217.9	1245979.1	Residential	65	42	38	40	42	39	39	42	38	40	43	39	41	43	39	42	1.2	No
R0190	F 1	N	293217.9	1245979.1	Residential	65	46	42	44	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0191	GF	E	293225.9	1246425.6	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.7	No
R0192	GF	E	293225.1	1247616.7	Residential	65	43	40	41	44	41	41	43	39	41	44	40	42	45	41	43	0.9	No
R0193	GF	NE	293229.3	1246081.1	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	45	40	43	1.1	No
R0193	F 1	NE	293229.3	1246081.1	Residential	65	47	42	45	47	43	45	46	42	44	48	43	46	48	44	46	1.0	No
R0195	GF	E	293226.2	1246441.8	Residential	65	47	43	45	47	44	45	46	43	44	48	44	46	48	44	46	0.9	No
R0196	GF	E	293226.7	1247632.0	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0197	GF	E	293227.0	1246469.2	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.8	No
R0197	F 1	E	293227.0	1246469.2	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.8	No
R0198	GF	E	293229.2	1245994.6	Residential	65	44	40	41	44	41	41	44	40	41	45	41	43	45	41	43	1.1	No
R0199	GF	E	293229.8	1246393.7	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.8	No
R0200	GF	N	293222.8	1245933.9	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.1	No
R0200	F 1	N	293222.8	1245933.9	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	46	0.9	No
R0201	GF	E	293228.9	1247646.1	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0202	GF	E	293228.8	1246458.0	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0202	F 1	E	293228.8	1246458.0	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	0.9	No
R0203	GF	N	293228.5	1246227.1	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.1	No
R0204	GF	E	293231.2	1247661.2	Residential	65	46	42	44	46	43	43	46	42	43	47	43	45	47	43	45	1.0	No
R0205	GF	E	293233.1	1246360.0	Residential	65	47	43	45	47	44	45	46	43	44	48	43	46	48	44	46	0.8	No
R0206	GF	S	293226.8	1247671.9	Residential	65	45	42	43	46	43	43	45	41	43	47	42	44	47	43	45	0.9	No
R0207	GF	N	293226.8	1246518.6	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	43	44	1.0	No
R0208	GF	E	293237.1	1246016.9	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R0208	F 1	E	293237.1	1246016.9	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0209	GF	E	293242.0	1247692.5	Residential	65	48	44	45	48	45	46	47	43	45	49	45	46	49	45	47	0.7	No
R0210	GF	E	293234.2	1246343.9	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0211	GF	N	293234.4	1245980.3	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	45	40	43	1.2	No
R0212	GF	E	293237.9	1247706.8	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	46	0.7	No
R0213	GF	S	293237.2	1246261.7	Residential	65	43	39	41	43	39	41	43	39	41	44	39	42	44	40	42	1.0	No
R0214	GF	E	293245.4	1247721.5	Residential	65	47	43	45	47	44	45	46	43	44	48	44	46	48	44	46	0.9	No
R0215	GF	E	293238.6	1246328.1	Residential	65	46	42	44	46	43	44	45	41	43	47	42	45	47	43	45	1.0	No
R0216	GF	E	293247.4	1247739.4	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0216	F 1	E	293247.4	1247739.4	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.7	No
R0216	F 2	E	293247.4	1247739.4	Residential	65	50	46	48	50	47	47	49	46	47	51	47	48	51	47	49	0.7	No
R0217	GF	N	293237.0	1246046.3	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.1	No
R0219	GF	E	293244.9	1247752.3	Residential	65	46	42	44	46	43	43	45	42	43	47	43	45	47	43	45	0.8	No
R0220	GF	N	293236.6	1246317.0	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	43	45	1.0	No
R0221	GF	S	293239.3	1247833.5	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0222	GF	N	293240.5	1245938.8	Residential	65	41	37	38	41	38	38	41	37	38	42	38	40	42	38	40	1.1	No
R0222	F 1	N	293240.5	1245938.8	Residential	65	46	42	43	46	43	43	45	41	43	47	42	44	47	43	45	0.9	No
R0223	GF	N	293241.8	1246528.7	Residential	65	49	45	46	49	46	46	48	45	45	50	46	47	50	46	47	0.6	No
R0225	GF	E	293253.5	1247790.6	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0225	F 1	E	293253.5	1247790.6	Residential	65	50	46	47	50	47	47	49	45	46	50	46	48	51	47	48	0.7	No
R0226	GF	S	293247.9	1246217.9	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R0227	GF	E	293248.9	1246297.4	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.2	No
R0229	GF	E	293247.2	1246000.9	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0230	GF	N	293249.6	1246103.3	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0231	GF	E	293249.2	1247676.7	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0233	GF	SE	293255.0	1247550.6	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0234	GF	E	293252.3	1247581.0	Residential	65	45	42	43	46	43	43	45	41	42	46	42	44	47	43	45	0.9	No
R0235	GF	E	293267.2	1247614.5	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.1	No
R0236	GF	NE	293256.2	1246277.5	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	1.0	No
R0237	GF	NE	293252.7	1246515.1	Residential	65	48	45	46	49	46	46	48	44	45	49	45	47	50	46	47	0.7	No
R0238	GF	E	293255.4	1247595.5	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	46	0.9	No
R0239	GF	N	293248.0	1245985.5	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.0	No
R0242	GF	N	293256.0	1245939.0	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0243	GF	S	293255.3	1247560.9	Residential	65	43	39	41	44	40	41	43	39	41	44	40	43	45	40	43	0.9	No
R0243	F 1	S	293255.3	1247560.9	Residential	65	47	43	45	47	44	45	46	42	44	48	43	46	48	44	46	0.8	No
R0244	GF	S	293257.7	1247762.8	Residential	65	44	40	42	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R0245	GF	E	293264.2	1247841.5	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R0246	GF	N	293259.3	1246054.8	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	45	40	43	1.1	No
R0247	GF	S	293260.6	1247792.7	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0249	GF	NE	293266.5	1246506.2	Residential	65	49	45	46	49	46	46	48	44	45	49	45	47	50	46	47	0.7	No
R0250	GF	E	293268.7	1247630.4	Residential	65	47	43	44	47	44	44	46	43	44	48	43	46	48	44	46	1.0	No
R0250	F 1	E	293268.7	1247630.4	Residential	65	50	46	47	50	47	47	49	46	47	51	47	48	51	47	49	0.7	No
R0251	GF	E	293271.7	1247646.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0251	F 1	E	293271.7	1247646.4	Residential	65	50	46	47	50	47	47	49	46	47	51	47	48	51	47	49	0.7	No
R0252	GF	NE	293265.7	1245987.2	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0254	GF	N	293265.1	1246091.6	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0254	F 1	N	293265.1	1246091.6	Residential	65	47	43	45	47	44	45	47	43	44	48	43	46	48	44	46	0.9	No
R0255	GF	E	293274.6	1247661.9	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0258	GF	SE	293273.1	1246228.3	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0259	GF	NE	293294.6	1246484.3	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R0260	GF	N	293301.9	1247583.5	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R0260	F 1	N	293301.9	1247583.5	Residential	65	48	44	45	48	45	45	47	43	45	49	44	46	49	45	47	0.8	No
R0261	GF	E	293280.6	1247561.6	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	44	0.9	No
R0262	GF	E	293295.2	1246482.5	Residential	65	49	45	47	49	46	46	48	45	46	50	46	48	50	46	48	0.9	No
R0263	GF	E	293274.6	1246104.0	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R0264	GF	S	293272.3	1247681.7	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.7	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0267	GF	E	293282.6	1247703.4	Residential	65	47	43	45	48	45	45	47	43	44	48	44	46	49	45	46	0.7	No
R0268	GF	N	293273.9	1246054.9	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0269	GF	N	293273.9	1245946.4	Residential	65	41	37	39	41	38	39	41	37	39	42	38	41	43	38	41	1.2	No
R0270	GF	S	293275.5	1247792.3	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	44	39	41	1.0	No
R0270	F 1	S	293275.5	1247792.3	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.6	No
R0271	GF	E	293285.8	1247715.1	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.7	No
R0271	F 1	E	293285.8	1247715.1	Residential	65	49	46	47	50	47	47	49	45	46	50	46	48	51	47	48	0.7	No
R0272	GF	E	293285.2	1247849.9	Residential	65	45	41	43	45	42	42	45	41	42	46	42	44	46	42	44	0.9	No
R0272	F 1	E	293285.2	1247849.9	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R0273	GF	E	293289.9	1247731.9	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0273	F 1	E	293289.9	1247731.9	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.7	No
R0274	GF	N	293278.3	1245992.0	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	45	40	43	1.0	No
R0276	GF	E	293293.1	1247763.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0276	F 1	E	293293.1	1247763.2	Residential	65	50	46	47	50	47	47	49	46	47	51	47	48	51	47	49	0.6	No
R0277	GF	NW	293287.8	1246329.9	Educational institute	55	44	40	42	45	41	42	44	40	42	45	41	43	46	41	43	1.0	No
R0277	F 1	NW	293287.8	1246329.9	Educational institute	55	48	44	45	48	45	45	47	44	45	49	44	47	49	45	47	1.0	No
R0280	GF	N	293283.2	1246093.2	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0283	GF	E	293292.2	1247747.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	44	47	42	45	1.0	No
R0283	F 1	E	293292.2	1247747.0	Residential	65	50	46	47	50	47	47	49	45	46	50	46	48	51	47	49	0.6	No
R0284	GF	E	293307.1	1247289.2	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.7	No
R0285	GF	E	293320.3	1247330.8	Residential	65	48	44	46	48	45	46	47	43	45	49	44	47	49	45	47	0.8	No
R0285	F 1	E	293320.3	1247330.8	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0288	GF	E	293299.6	1246247.8	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0290	GF	N	293289.4	1246055.8	Residential	65	44	40	42	44	41	42	43	40	41	45	40	43	45	41	43	1.0	No
R0290	F 1	N	293289.4	1246055.8	Residential	65	47	42	45	47	43	45	46	42	44	48	43	46	48	43	46	0.9	No
R0291	GF	NW	293287.2	1246351.3	Educational institute	55	45	42	43	46	43	43	45	41	42	46	42	44	47	43	45	0.9	No
R0292	GF	E	293297.7	1247778.6	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0292	F 1	E	293297.7	1247778.6	Residential	65	50	46	47	50	47	47	49	45	46	50	46	48	51	47	48	0.7	No
R0293	GF	N	293294.2	1245993.3	Residential	65	40	35	38	40	36	37	39	35	37	41	36	39	41	36	39	1.1	No
R0294	GF	E	293304.2	1245931.1	Residential	65	42	38	39	42	39	39	41	38	39	43	39	41	43	39	41	1.1	No
R0294	F 1	E	293304.2	1245931.1	Residential	65	47	43	45	47	43	45	46	42	44	48	43	46	48	44	46	0.9	No
R0295	GF	E	293302.6	1247802.0	Residential	65	47	43	45	47	44	44	46	43	44	48	44	46	48	44	46	0.8	No
R0295	F 1	E	293302.6	1247802.0	Residential	65	49	45	47	50	47	47	49	45	46	50	46	48	50	47	48	0.6	No
R0299	GF	S	293296.2	1247850.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0301	GF	S	293295.5	1247595.8	Residential	65	45	41	42	45	42	43	44	40	42	46	42	44	46	42	44	0.9	No
R0302	GF	SE	293317.6	1246303.4	Educational institute	55	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0302	F 1	SE	293317.6	1246303.4	Educational institute	55	45	41	43	46	42	43	45	41	43	46	41	45	46	42	45	0.8	No
R0304	GF	E	293303.7	1247614.0	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.1	No
R0305	GF	N	293301.0	1246098.8	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.9	No
R0306	GF	E	293304.8	1247627.5	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.0	No
R0307	GF	E	293306.5	1247640.0	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0308	GF	N	293303.4	1246053.1	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0309	GF	E	293310.9	1247392.0	Residential	65	47	43	45	47	44	44	46	42	44	48	43	46	48	44	46	0.8	No
R0309	F 1	E	293310.9	1247392.0	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0312	GF	N	293308.5	1246371.1	Educational institute	55	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.2	No
R0314	GF	E	293325.1	1246004.8	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0314	F 1	E	293325.1	1246004.8	Residential	65	48	44	46	48	45	45	47	44	45	49	44	47	49	45	47	1.0	No
R0314	F 2	E	293325.1	1246004.8	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R0318	GF	E	293323.1	1247665.6	Residential	65	47	44	45	48	45	45	47	43	45	49	44	46	49	45	47	0.9	No
R0319	GF	E	293364.1	1247461.3	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0319	F 1	E	293364.1	1247461.3	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.6	No
R0321	GF	N	293315.3	1245945.0	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0323	GF	E	293321.8	1246097.0	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R0324	GF	E	293385.2	1247544.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	46	0.9	No
R0324	F 1	E	293385.2	1247544.7	Residential	65	50	46	48	51	47	48	49	46	47	51	47	49	51	47	49	0.6	No
R0325	GF	E	293327.5	1246050.2	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0326	GF	E	293333.1	1247678.1	Residential	65	48	44	45	48	45	45	47	43	45	49	45	47	49	45	47	1.0	No
R0327	GF	E	293342.7	1247444.4	Residential	65	46	42	43	46	43	44	45	41	43	47	42	45	47	43	45	1.0	No
R0327	F 1	E	293342.7	1247444.4	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.6	No
R0328	GF	E	293333.4	1247694.6	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.8	No
R0328	F 1	E	293333.4	1247694.6	Residential	65	50	46	48	50	47	47	49	46	47	51	47	49	51	47	49	0.8	No
R0329	GF	E	293330.2	1246368.8	Educational institute	55	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	1.0	No
R0331	GF	S	293352.3	1247385.3	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0331	F 1	S	293352.3	1247385.3	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	52	48	49	0.7	No
R0332	GF	E	293332.9	1247709.5	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.7	No
R0332	F 1	E	293332.9	1247709.5	Residential	65	50	46	48	50	47	47	49	46	47	51	47	49	51	47	49	0.7	No
R0333	GF	N	293328.7	1245943.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0334	GF	E	293339.4	1247723.6	Residential	65	48	44	45	48	45	46	47	44	45	49	45	47	49	45	47	0.7	No
R0334	F 1	E	293339.4	1247723.6	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0335	GF	S	293330.6	1245910.5	Residential	65	43	39	41	43	40	41	43	39	41	44	40	43	44	40	43	1.0	No
R0336	GF	S	293328.5	1247859.7	Residential	65	43	39	40	43	40	40	42	38	40	44	39	42	44	40	42	1.1	No
R0336	F 1	S	293328.5	1247859.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R0337	GF	E	293336.0	1247739.7	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	46	0.7	No
R0339	GF	E	293354.8	1247493.1	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R0339	F 1	E	293354.8	1247493.1	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.8	No
R0339	F 2	E	293354.8	1247493.1	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.7	No
R0339	F 3	E	293354.8	1247493.1	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	49	0.6	No
R0340	GF	E	293378.6	1246365.5	Educational institute	55	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0340	F 1	E	293378.6	1246365.5	Educational institute	55	49	44	47	49	45	47	48	44	46	50	45	48	50	46	48	0.9	No
R0341	GF	E	293340.6	1247757.5	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	0.8	No
R0343	GF	E	293342.1	1247619.1	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0343	F 1	E	293342.1	1247619.1	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.7	No
R0345	GF	E	293341.0	1247799.0	Residential	65	47	43	44	47	44	44	46	42	44	47	43	45	48	44	45	0.7	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0345	F 1	E	293341.0	1247799.0	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.7	No
R0348	GF	S	293337.8	1247809.4	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	43	39	41	0.7	No
R0348	F 1	S	293337.8	1247809.4	Residential	65	46	42	43	46	43	43	45	42	43	47	43	44	47	43	45	0.7	No
R0349	GF	E	293348.0	1247775.0	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.9	No
R0349	F 1	E	293348.0	1247775.0	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0353	GF	N	293338.5	1246057.8	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0354	GF	N	293339.6	1245993.2	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	44	1.0	No
R0354	F 1	N	293339.6	1245993.2	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	44	47	1.0	No
R0355	GF	N	293341.4	1246102.8	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.1	No
R0355	F 1	N	293341.4	1246102.8	Residential	65	47	43	45	47	44	45	46	42	44	48	43	46	48	44	46	1.0	No
R0356	GF	S	293341.8	1247862.4	Residential	65	44	40	41	44	41	42	43	39	41	45	40	43	45	41	43	0.9	No
R0362	GF	E	293349.6	1245938.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0363	GF	E	293374.6	1246326.8	Educational institute	55	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0363	F 1	E	293374.6	1246326.8	Educational institute	55	48	44	46	49	45	46	48	44	46	49	45	48	50	45	48	0.9	No
R0364	GF	N	293350.8	1246057.3	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R0365	GF	S	293349.5	1247795.9	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	0.8	No
R0365	F 1	S	293349.5	1247795.9	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0366	GF	E	293379.0	1247629.4	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0366	F 1	E	293379.0	1247629.4	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0367	GF	E	293361.2	1246010.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0368	GF	N	293354.6	1247830.9	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	1.0	No
R0369	GF	N	293354.3	1245997.2	Residential	65	44	40	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0374	GF	S	293357.0	1247863.9	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R0374	F 1	S	293357.0	1247863.9	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.8	No
R0375	GF	N	293364.2	1245944.0	Residential	65	43	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0376	GF	N	293365.9	1245926.7	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	1.1	No
R0377	GF	E	293369.1	1246110.7	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R0378	GF	E	293370.0	1247048.8	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0379	GF	N	293361.3	1246101.2	Residential	65	43	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R0380	GF	E	293394.1	1247583.4	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	1.0	No
R0380	F 1	E	293394.1	1247583.4	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0382	GF	S	293361.4	1247706.5	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0383	GF	E	293369.5	1247030.7	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0383	F 1	E	293369.5	1247030.7	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	0.9	No
R0384	GF	E	293372.4	1247060.1	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R0385	GF	N	293365.9	1246056.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0385	F 1	N	293365.9	1246056.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0386	GF	S	293362.5	1247727.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	45	48	43	46	0.9	No
R0387	GF	S	293359.1	1247798.2	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	0.9	No
R0387	F 1	S	293359.1	1247798.2	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0388	GF	E	293374.9	1247075.2	Residential	65	45	41	43	46	42	43	45	41	43	46	42	45	47	42	45	1.1	No
R0390	GF	S	293368.1	1247869.9	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	44	0.9	No
R0390	F 1	S	293368.1	1247869.9	Residential	65	50	46	47	50	47	47	49	45	47	50	46	48	51	47	49	0.8	No
R0391	GF	N	293366.2	1246146.6	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0392	GF	N	293368.5	1246004.6	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.0	No
R0393	GF	E	293378.0	1247826.5	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.6	No
R0393	F 1	E	293378.0	1247826.5	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0396	GF	E	293408.7	1247434.9	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0397	GF	N	293368.2	1247155.0	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0399	GF	E	293380.7	1247105.1	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	43	45	1.1	No
R0401	GF	E	293377.4	1247090.1	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0402	GF	NE	293375.4	1247020.0	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.1	No
R0403	GF	E	293378.4	1247659.2	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	0.7	No
R0404	GF	E	293383.5	1247120.5	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0405	GF	E	293378.8	1247807.4	Residential	65	47	43	45	48	44	45	46	43	44	48	44	46	48	44	46	0.7	No
R0405	F 1	E	293378.8	1247807.4	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0408	GF	N	293377.5	1246104.0	Residential	65	45	41	43	46	42	43	45	41	43	46	42	45	47	42	45	0.9	No
R0409	GF	E	293386.2	1247134.7	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0410	GF	S	293375.5	1247671.9	Residential	65	48	44	46	49	46	46	48	44	45	49	45	47	50	46	47	0.7	No
R0411	GF	E	293388.5	1247789.7	Residential	65	49	45	47	49	46	46	48	44	46	50	45	47	50	46	48	0.7	No
R0411	F 1	E	293388.5	1247789.7	Residential	65	50	46	48	51	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0412	GF	E	293388.0	1247714.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0413	GF	E	293414.3	1247468.9	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R0413	F 1	E	293414.3	1247468.9	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.7	No
R0413	F 2	E	293414.3	1247468.9	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	49	0.7	No
R0414	GF	E	293392.8	1247749.5	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0414	F 1	E	293392.8	1247749.5	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	50	0.7	No
R0416	GF	N	293391.5	1246194.8	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.1	No
R0417	GF	E	293396.3	1247190.7	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0418	GF	E	293392.6	1247168.7	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	44	46	1.1	No
R0419	GF	S	293378.8	1247689.9	Residential	65	48	44	45	48	45	45	47	44	45	49	45	46	49	45	47	0.7	No
R0419	F 1	S	293378.8	1247689.9	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	49	0.7	No
R0420	GF	E	293392.5	1247767.9	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0421	GF	N	293379.7	1246055.8	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.1	No
R0421	F 1	N	293379.7	1246055.8	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0422	GF	E	293389.8	1247153.7	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0423	GF	NE	293385.7	1247009.9	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	1.0	No
R0424	GF	N	293383.4	1246143.8	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R0425	GF	N	293384.3	1245968.8	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.1	No
R0425	F 1	N	293384.3	1245968.8	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	47	1.0	No
R0426	GF	N	293386.5	1246008.5	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	44	1.0	No
R0427	GF	E	293395.2	1247180.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0428	GF	SE	293391.9	1247823.0	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.6	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0429	GF	S	293427.4	1247882.7	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R0429	F 1	S	293427.4	1247882.7	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	51	46	49	0.8	No
R0430	GF	E	293390.6	1247732.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0434	GF	E	293403.8	1247401.4	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0434	F 1	E	293403.8	1247401.4	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0436	GF	N	293403.9	1245929.4	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0436	F 1	N	293403.9	1245929.4	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R0437	GF	SE	293397.8	1247209.5	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.8	No
R0438	GF	E	293419.2	1246578.2	Active recreation	65	50	46	47	50	47	47	49	46	46	50	47	48	51	47	48	0.6	No
R0439	GF	E	293401.7	1246348.6	Educational institute	55	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0439	F 1	E	293401.7	1246348.6	Educational institute	55	50	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R0441	GF	E	293393.6	1246124.0	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R0442	GF	N	293397.0	1247279.9	Residential	65	46	42	44	47	43	44	45	42	43	47	43	45	47	43	45	0.9	No
R0443	GF	N	293395.7	1246102.6	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0445	GF	N	293406.2	1247521.2	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	43	1.0	No
R0446	GF	N	293397.0	1246061.2	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0447	GF	SW	293392.6	1246989.2	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	0.6	No
R0448	GF	N	293398.6	1246015.2	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0448	F 1	N	293398.6	1246015.2	Residential	65	48	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0451	GF	N	293398.3	1246148.2	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	44	1.0	No
R0452	GF	E	293419.0	1245959.8	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R0452	F 1	E	293419.0	1245959.8	Residential	65	46	41	44	46	42	44	45	41	43	47	42	45	47	42	45	1.1	No
R0452	F 2	E	293419.0	1245959.8	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	1.0	No
R0454	GF	E	293440.5	1246310.1	Educational institute	55	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0454	F 1	E	293440.5	1246310.1	Educational institute	55	49	44	47	49	45	47	48	44	46	50	45	48	50	45	48	0.9	No
R0455	GF	S	293410.3	1247217.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0456	GF	E	293412.7	1247049.7	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0457	GF	N	293406.5	1247345.8	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	44	0.9	No
R0458	GF	S	293408.8	1247029.3	Residential	65	45	41	43	45	42	42	45	41	42	46	42	44	46	42	44	1.0	No
R0460	GF	E	293413.0	1247064.2	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.1	No
R0461	GF	E	293421.6	1247314.6	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0463	GF	W	293404.2	1247564.0	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0464	GF	E	293420.8	1247082.9	Residential	65	45	41	42	45	42	42	44	41	42	46	41	44	46	42	44	1.0	No
R0465	GF	N	293411.6	1246059.3	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0465	F 1	N	293411.6	1246059.3	Residential	65	48	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0466	GF	N	293413.7	1247278.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0467	GF	SW	293407.4	1246982.5	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	46	42	44	0.6	No
R0468	GF	N	293411.1	1246104.9	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R0469	GF	NE	293414.6	1246361.7	Educational institute	55	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0470	GF	S	293422.8	1247093.8	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0471	GF	N	293412.4	1246019.8	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R0472	GF	N	293415.9	1246150.1	Residential	65	45	41	43	45	42	43	45	40	42	46	42	44	46	42	44	1.1	No
R0473	GF	N	293419.5	1247114.4	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.9	No
R0477	GF	E	293424.0	1247653.0	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0478	GF	E	293425.4	1247348.8	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0478	F 1	E	293425.4	1247348.8	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.6	No
R0479	GF	E	293424.2	1247230.3	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0482	GF	E	293423.6	1247330.3	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.8	No
R0483	GF	E	293436.7	1246485.8	Active recreation	65	47	43	45	48	44	45	47	43	44	48	44	46	49	45	47	1.0	No
R0483	F 1	E	293436.7	1246485.8	Active recreation	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	1.0	No
R0484	GF	E	293432.7	1247383.3	Residential	65	48	43	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0485	GF	E	293428.2	1247671.3	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.8	No
R0485	F 1	E	293428.2	1247671.3	Residential	65	51	46	48	51	48	48	50	46	48	51	47	49	52	48	49	0.7	No
R0487	GF	E	293430.4	1247830.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0487	F 1	E	293430.4	1247830.4	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0489	GF	S	293424.9	1247136.2	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	0.9	No
R0490	GF	E	293454.4	1246192.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R0491	GF	E	293429.1	1247362.6	Residential	65	48	44	46	48	45	46	48	43	45	49	45	47	49	45	47	1.0	No
R0492	GF	E	293438.4	1247416.2	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0493	GF	S	293427.0	1247679.9	Residential	65	48	44	46	48	45	45	47	44	45	49	45	47	49	45	47	0.8	No
R0493	F 1	S	293427.0	1247679.9	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0495	GF	N	293426.8	1247275.7	Residential	65	47	43	44	47	44	44	46	42	43	47	43	45	48	44	46	0.9	No
R0496	GF	E	293429.3	1247159.5	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0497	GF	E	293430.2	1247707.7	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.8	No
R0498	GF	SW	293423.5	1246974.7	Residential	65	46	42	44	46	43	43	45	42	43	47	43	44	47	43	44	0.5	No
R0500	GF	E	293443.0	1247465.1	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0500	F 1	E	293443.0	1247465.1	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.7	No
R0501	GF	N	293428.4	1246062.6	Residential	65	44	40	41	44	41	41	44	40	41	45	41	43	45	41	43	1.0	No
R0501	F 1	N	293428.4	1246062.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0503	GF	N	293426.0	1246018.5	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0503	F 1	N	293426.0	1246018.5	Residential	65	48	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0504	GF	S	293432.8	1247713.8	Residential	65	48	44	45	48	45	46	47	44	45	49	45	47	49	45	47	0.7	No
R0504	F 1	S	293432.8	1247713.8	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	49	0.6	No
R0505	GF	E	293434.8	1247800.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	44	47	0.9	No
R0505	F 1	E	293434.8	1247800.3	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.8	No
R0506	GF	E	293434.3	1247399.0	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R0507	GF	E	293448.4	1245971.3	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.2	No
R0507	F 1	E	293448.4	1245971.3	Residential	65	49	45	46	49	46	46	48	45	46	50	45	48	50	45	48	1.0	No
R0508	GF	N	293430.2	1246103.1	Residential	65	42	38	40	42	39	39	42	38	39	43	39	41	43	39	41	1.0	No
R0509	GF	NE	293439.5	1246245.0	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0512	GF	N	293445.4	1245935.5	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.2	No
R0512	F 1	N	293445.4	1245935.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.2	No
R0513	GF	E	293431.6	1246146.8	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0514	GF	N	293435.2	1247183.6	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	1.0	No
R0515	GF	E	293438.2	1247523.3	Residential	65	45	41	43	45	42	42	44	40	42	46	41	44	46	42	44	0.9	No
R0516	GF	E	293458.2	1246322.6	Educational institute	55	47	43	45	47	44	45	47	42	44	48	43	46	48	44	46	1.0	No
R0518	GF	S	293431.7	1247212.5	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R0519	GF	SE	293437.5	1247737.7	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.9	No
R0520	GF	E	293445.0	1247483.2	Residential	65	48	44	45	48	45	46	47	43	45	49	45	47	49	45	47	0.9	No
R0520	F 1	E	293445.0	1247483.2	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.7	No
R0521	GF	E	293438.5	1247433.3	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0521	F 1	E	293438.5	1247433.3	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.7	No
R0522	GF	N	293433.8	1247545.8	Residential	65	45	41	42	45	42	43	44	40	42	46	41	44	46	42	44	1.0	No
R0523	GF	E	293442.2	1247449.6	Residential	65	48	44	45	48	45	45	47	43	45	49	44	46	49	45	47	0.9	No
R0524	GF	SE	293438.9	1247022.3	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0525	GF	SE	293440.0	1247038.1	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0526	GF	N	293432.4	1246120.6	Residential	65	45	41	43	46	42	43	45	41	43	46	42	45	47	42	45	1.1	No
R0527	GF	SE	293437.3	1247776.6	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.7	No
R0530	GF	N	293436.9	1247828.4	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	47	1.0	No
R0533	GF	S	293435.5	1246972.1	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.6	No
R0534	GF	SE	293440.6	1247051.8	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0534	F 1	SE	293440.6	1247051.8	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.8	No
R0535	GF	S	293441.2	1247832.1	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R0537	GF	N	293442.4	1247107.8	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0537	F 1	N	293442.4	1247107.8	Residential	65	48	44	46	48	45	45	47	43	45	48	44	46	49	45	47	0.8	No
R0538	GF	NE	293444.8	1246226.1	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0539	GF	S	293441.1	1247255.8	Residential	65	46	42	44	47	43	44	46	42	44	48	43	45	48	43	45	0.8	No
R0541	GF	E	293448.4	1247144.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R0542	GF	E	293451.5	1247514.5	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R0544	GF	S	293441.7	1247559.9	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	43	1.0	No
R0545	GF	N	293445.6	1246065.7	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R0546	GF	E	293448.8	1247500.0	Residential	65	48	43	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0547	GF	N	293441.0	1246105.2	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	0.9	No
R0550	GF	E	293451.7	1247165.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0551	GF	E	293455.3	1247531.8	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0551	F 1	E	293455.3	1247531.8	Residential	65	51	46	48	51	47	48	50	46	48	52	47	49	52	48	50	0.8	No
R0552	GF	N	293446.4	1246149.4	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0553	GF	NE	293450.6	1246021.0	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0554	GF	E	293454.7	1247067.2	Residential	65	44	40	41	44	41	42	44	40	41	45	41	43	45	41	43	1.1	No
R0555	GF	S	293448.5	1247210.9	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0555	F 1	S	293448.5	1247210.9	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.6	No
R0556	GF	N	293449.4	1247182.9	Residential	65	46	42	43	46	43	44	45	41	43	47	42	45	47	43	45	0.9	No
R0557	GF	E	293501.5	1246116.1	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0557	F 1	E	293501.5	1246116.1	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R0558	GF	E	293450.8	1247549.3	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0559	GF	E	293454.2	1247607.3	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0561	GF	E	293457.2	1247821.5	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R0563	GF	S	293450.8	1247730.0	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R0564	GF	NE	293467.6	1246228.3	Residential	65	46	41	43	46	43	43	45	41	43	47	42	45	47	42	45	1.0	No
R0565	GF	N	293454.9	1247104.3	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0566	GF	E	293460.3	1247841.1	Residential	65	50	46	47	50	47	47	49	45	47	51	46	48	51	47	49	0.8	No
R0567	GF	E	293459.0	1247567.7	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0568	GF	NE	293456.1	1246976.6	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0569	GF	S	293457.2	1247774.2	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.7	No
R0569	F 1	S	293457.2	1247774.2	Residential	65	51	47	48	51	48	49	50	46	48	52	47	49	52	48	50	0.6	No
R0572	GF	E	293462.8	1247582.9	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0573	GF	E	293467.3	1247615.3	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.8	No
R0574	GF	E	293463.5	1247599.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0574	F 1	E	293463.5	1247599.2	Residential	65	50	46	47	50	47	47	49	45	47	51	46	48	51	47	49	0.8	No
R0576	GF	E	293471.7	1247306.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0576	F 1	E	293471.7	1247306.4	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.7	No
R0577	GF	N	293456.6	1247271.3	Residential	65	47	43	44	47	44	44	46	42	43	47	43	45	48	44	46	0.9	No
R0577	F 1	N	293456.6	1247271.3	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.9	No
R0578	GF	E	293469.4	1246027.4	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.2	No
R0579	GF	N	293461.6	1247146.2	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0580	GF	NE	293471.6	1245986.5	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0580	F 1	NE	293471.6	1245986.5	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0580	F 2	NE	293471.6	1245986.5	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	51	47	50	0.9	No
R0582	GF	N	293458.9	1246153.6	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0584	GF	S	293462.2	1247165.8	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	45	0.9	No
R0585	GF	S	293459.8	1247209.2	Residential	65	47	43	45	47	44	45	47	43	44	48	43	46	48	44	46	0.9	No
R0587	GF	E	293477.2	1247325.4	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.1	No
R0589	GF	E	293469.5	1247631.4	Residential	65	47	43	45	47	44	45	46	43	44	48	44	46	48	44	46	0.8	No
R0590	GF	E	293472.2	1247649.0	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0590	F 1	E	293472.2	1247649.0	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.7	No
R0591	GF	E	293471.2	1247343.1	Residential	65	46	42	44	47	44	44	46	42	44	48	43	45	48	44	46	1.0	No
R0592	GF	E	293475.8	1247682.0	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0592	F 1	E	293475.8	1247682.0	Residential	65	51	47	49	51	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0593	GF	N	293468.0	1247072.8	Residential	65	44	40	42	45	41	42	44	40	41	45	41	43	46	41	43	1.0	No
R0594	GF	S	293466.2	1247842.6	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	0.9	No
R0594	F 1	S	293466.2	1247842.6	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.7	No
R0595	GF	SW	293465.1	1247004.3	Residential	65	45	40	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R0596	GF	E	293474.3	1247665.1	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0598	GF	N	293471.4	1246967.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0600	GF	E	293476.0	1246059.7	Residential	65	44	40	42	44	41	42	44	40	42	45	41	44	46	41	44	1.2	No
R0601	GF	N	293470.4	1247101.3	Residential	65	46	42	44	46	43	44	45	42	43	47	43	45	47	43	45	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0603	GF	E	293475.7	1246046.9	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.1	No
R0604	GF	E	293474.7	1247360.2	Residential	65	46	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R0606	GF	E	293475.5	1247256.0	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0609	GF	E	293481.0	1247716.0	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	0.8	No
R0609	F 1	E	293481.0	1247716.0	Residential	65	51	47	49	52	48	49	50	47	48	52	48	50	52	48	50	0.6	No
R0610	GF	E	293478.9	1247376.5	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	48	43	46	1.1	No
R0611	GF	N	293487.2	1245940.3	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0611	F 1	N	293487.2	1245940.3	Residential	65	49	44	47	49	45	47	48	44	46	50	45	48	50	45	48	1.0	No
R0613	GF	N	293480.1	1247144.3	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0614	GF	E	293478.6	1247698.8	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	0.9	No
R0615	GF	E	293481.1	1247392.4	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0617	GF	E	293483.3	1247410.4	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0620	GF	E	293485.0	1247733.1	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.7	No
R0622	GF	N	293478.9	1247178.8	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R0624	GF	S	293478.0	1247206.6	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0626	GF	S	293478.4	1247826.6	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0628	GF	NE	293481.9	1246209.2	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.1	No
R0629	GF	E	293484.3	1247425.9	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0630	GF	SW	293478.2	1246997.4	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R0632	GF	SE	293489.4	1247061.6	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R0633	GF	E	293486.8	1247442.8	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0634	GF	S	293481.7	1247770.2	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	47	49	0.8	No
R0634	F 1	S	293481.7	1247770.2	Residential	65	51	47	48	51	48	48	50	46	48	51	47	49	52	48	50	0.7	No
R0635	GF	NW	293475.8	1246155.9	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.2	No
R0636	GF	E	293488.5	1247027.7	Residential	65	45	41	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0637	GF	N	293482.3	1247368.7	Residential	65	46	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0638	GF	NE	293482.9	1246964.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0638	F 1	NE	293482.9	1246964.4	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0640	GF	E	293490.1	1247460.2	Residential	65	47	43	44	47	44	44	46	43	44	48	44	46	48	44	46	1.0	No
R0640	F 1	E	293490.1	1247460.2	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0642	GF	N	293482.1	1247100.8	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0643	GF	E	293489.5	1247045.1	Residential	65	45	41	43	45	42	43	45	40	42	46	41	44	46	42	44	1.1	No
R0645	GF	S	293484.9	1247838.1	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R0645	F 1	S	293484.9	1247838.1	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0646	GF	E	293491.7	1247475.4	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0647	GF	N	293488.0	1247266.1	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0648	GF	NE	293489.0	1245998.7	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.1	No
R0648	F 1	NE	293489.0	1245998.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	49	45	48	0.9	No
R0650	GF	N	293488.9	1247140.3	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0652	GF	E	293495.1	1247492.0	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0652	F 1	E	293495.1	1247492.0	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0653	GF	E	293501.4	1246155.3	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.1	No
R0654	GF	E	293504.2	1247511.3	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0654	F 1	E	293504.2	1247511.3	Residential	65	51	46	48	51	47	48	50	46	48	52	47	49	52	47	50	0.8	No
R0655	GF	N	293494.3	1247176.2	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0657	GF	S	293490.2	1247204.3	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0658	GF	N	293494.2	1247444.3	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0662	GF	NE	293494.6	1246958.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0664	GF	S	293499.4	1247766.9	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	51	46	49	0.9	No
R0664	F 1	S	293499.4	1247766.9	Residential	65	51	47	49	51	48	49	50	47	48	52	48	49	52	48	50	0.7	No
R0665	GF	E	293506.0	1247540.1	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0666	GF	E	293505.8	1247300.7	Residential	65	47	43	44	47	44	44	46	43	44	48	44	46	48	44	46	1.0	No
R0667	GF	N	293501.5	1247006.1	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0668	GF	E	293515.9	1247353.9	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	46	1.0	No
R0669	GF	E	293504.9	1247558.7	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R0670	GF	E	293500.0	1247095.0	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	44	46	0.9	No
R0672	GF	S	293499.2	1247246.2	Residential	65	48	43	45	48	44	46	47	43	45	49	44	47	49	44	47	0.8	No
R0673	GF	E	293514.7	1247573.4	Residential	65	45	41	43	45	42	42	44	41	42	46	42	44	46	42	44	1.0	No
R0674	GF	S	293507.0	1247808.9	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.8	No
R0676	GF	E	293510.2	1247857.8	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	44	39	41	1.0	No
R0676	F 1	E	293510.2	1247857.8	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.9	No
R0676	F 2	E	293510.2	1247857.8	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0677	GF	E	293517.2	1247839.4	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.1	No
R0677	F 1	E	293517.2	1247839.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0678	GF	SE	293508.1	1246167.3	Residential	65	45	41	43	46	42	43	45	41	43	46	42	45	47	42	45	1.1	No
R0680	GF	E	293511.6	1247593.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0680	F 1	E	293511.6	1247593.0	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.8	No
R0681	GF	E	293513.3	1247336.5	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0682	GF	S	293504.2	1247125.6	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0684	GF	E	293512.4	1247608.7	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0685	GF	E	293515.9	1247152.2	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0686	GF	E	293510.8	1247319.7	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0687	GF	E	293512.8	1247792.1	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.7	No
R0688	GF	N	293508.9	1247173.6	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0689	GF	E	293516.9	1246066.0	Residential	65	43	39	41	44	40	41	44	39	41	45	40	43	45	40	43	1.2	No
R0690	GF	S	293507.6	1247201.7	Residential	65	47	43	45	47	44	44	47	43	44	48	44	46	48	44	46	1.0	No
R0691	GF	E	293513.4	1246028.1	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0693	GF	SE	293523.0	1246263.8	Active recreation	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R0694	GF	E	293520.0	1247036.0	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0694	F 1	E	293520.0	1247036.0	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	49	51	0.6	No
R0695	GF	NE	293511.8	1247000.5	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0696	GF	NE	293510.0	1246952.1	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0697	GF	S	293513.8	1247617.3	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0699	GF	SE	293517.2	1246043.1	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0700	GF	E	293518.5	1246189.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R0701	GF	E	293518.3	1247367.8	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0702	GF	S	293521.8	1247908.0	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0703	GF	E	293520.1	1247388.0	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0703	F 1	E	293520.1	1247388.0	Residential	65	51	47	48	51	47	48	50	46	48	51	47	49	52	47	50	0.7	No
R0706	GF	E	293518.6	1247641.6	Residential	65	46	42	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0706	F 1	E	293518.6	1247641.6	Residential	65	51	46	48	51	47	48	50	46	48	52	47	49	52	47	50	0.8	No
R0708	GF	S	293511.3	1247551.2	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	44	1.0	No
R0709	GF	E	293522.3	1247659.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0709	F 1	E	293522.3	1247659.3	Residential	65	51	47	48	51	48	48	50	46	48	52	47	50	52	48	50	0.7	No
R0710	GF	E	293526.2	1247419.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0711	GF	E	293521.1	1247050.4	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0712	GF	E	293524.2	1247072.6	Residential	65	48	44	45	48	45	45	47	43	45	49	45	47	49	45	47	1.1	No
R0714	GF	SE	293523.1	1247080.0	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	45	47	1.0	No
R0715	GF	N	293517.7	1247261.4	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	47	0.9	No
R0716	GF	E	293525.5	1247674.7	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	47	0.8	No
R0717	GF	E	293521.8	1247403.8	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	46	0.9	No
R0718	GF	N	293516.9	1245950.2	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0719	GF	E	293528.3	1247435.2	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0721	GF	S	293518.1	1247124.0	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0723	GF	E	293531.4	1247690.0	Residential	65	48	44	46	49	45	46	48	44	46	50	45	47	50	45	48	0.9	No
R0724	GF	E	293528.1	1247708.5	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.8	No
R0725	GF	E	293536.9	1247505.1	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	45	47	0.9	No
R0726	GF	E	293528.0	1247453.3	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	48	1.0	No
R0727	GF	SW	293517.7	1247015.1	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R0729	GF	NE	293527.6	1246941.5	Residential	65	48	44	45	48	45	46	47	44	45	49	45	47	49	45	47	0.9	No
R0730	GF	S	293520.9	1247854.3	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R0730	F 1	S	293520.9	1247854.3	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.8	No
R0731	GF	N	293524.6	1247209.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0732	GF	E	293530.9	1246987.6	Residential	65	47	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0733	GF	S	293522.9	1247156.6	Residential	65	47	43	44	47	44	44	46	42	44	48	44	46	48	44	46	1.0	No
R0734	GF	E	293528.9	1247727.0	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.8	No
R0734	F 1	E	293528.9	1247727.0	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.7	No
R0737	GF	E	293533.4	1247470.0	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R0737	F 1	E	293533.4	1247470.0	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.8	No
R0739	GF	E	293545.3	1246117.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0739	F 1	E	293545.3	1246117.6	Residential	65	49	45	47	49	46	47	49	45	47	50	46	49	50	46	49	1.0	No
R0739	F 2	E	293545.3	1246117.6	Residential	65	51	46	49	51	47	49	50	46	48	52	47	50	52	47	50	0.9	No
R0741	GF	N	293530.5	1246070.0	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R0741	F 1	N	293530.5	1246070.0	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	50	46	49	0.9	No
R0742	GF	E	293534.6	1247487.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R0742	F 1	E	293534.6	1247487.6	Residential	65	51	47	49	51	48	49	50	46	48	52	47	50	52	48	50	0.8	No
R0745	GF	S	293530.0	1247240.9	Residential	65	47	43	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0745	F 1	S	293530.0	1247240.9	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.6	No
R0746	GF	N	293531.4	1245954.0	Residential	65	45	40	42	45	41	42	45	41	43	46	41	44	46	41	44	1.2	No
R0748	GF	S	293532.6	1247121.6	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.8	No
R0751	GF	E	293562.8	1246163.9	Commercial	n/a	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.2	No
R0752	GF	SE	293537.1	1247008.3	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0753	GF	E	293542.8	1247537.0	Residential	65	47	43	45	47	44	45	46	43	44	48	44	46	48	44	46	1.0	No
R0753	F 1	E	293542.8	1247537.0	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.8	No
R0754	GF	E	293543.7	1246224.8	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	42	44	1.0	No
R0756	GF	NE	293537.6	1246982.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0759	GF	N	293538.6	1247168.6	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0760	GF	S	293538.3	1247196.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0761	GF	S	293539.0	1246923.7	Residential	65	50	46	48	50	47	47	49	46	46	51	47	48	51	47	48	0.4	No
R0762	GF	E	293550.6	1247586.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R0762	F 1	E	293550.6	1247586.5	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.9	No
R0766	GF	E	293544.2	1247551.3	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R0768	GF	S	293544.1	1247288.3	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R0768	F 1	S	293544.1	1247288.3	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.7	No
R0769	GF	E	293548.6	1247569.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0771	GF	E	293549.9	1245989.7	Residential	65	47	42	45	47	43	45	47	42	44	48	43	46	48	43	47	1.2	No
R0771	F 1	E	293549.9	1245989.7	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	49	1.1	No
R0773	GF	E	293548.4	1245975.0	Residential	65	47	43	45	47	44	45	47	43	45	48	44	47	49	44	47	1.1	No
R0774	GF	E	293552.1	1247313.0	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0774	F 1	E	293552.1	1247313.0	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	0.9	No
R0775	GF	W	293538.3	1247673.2	Residential	65	46	42	43	46	43	43	45	42	43	47	42	45	47	43	45	1.1	No
R0778	GF	S	293555.1	1247756.8	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0778	F 1	S	293555.1	1247756.8	Residential	65	51	47	48	51	48	48	50	46	48	51	47	49	52	48	49	0.7	No
R0778	F 2	S	293555.1	1247756.8	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.6	No
R0779	GF	S	293548.8	1247646.6	Residential	65	46	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0780	GF	E	293551.3	1247602.3	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0780	F 1	E	293551.3	1247602.3	Residential	65	50	46	48	50	47	47	49	45	47	51	46	49	51	47	49	0.8	No
R0781	GF	N	293548.6	1247255.0	Residential	65	46	42	44	47	44	44	46	42	44	47	43	45	48	44	46	1.1	No
R0782	GF	E	293554.8	1247618.7	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0783	GF	N	293549.8	1246631.8	Active recreation	65	49	45	46	49	46	46	48	45	46	50	46	47	50	46	48	0.9	No
R0784	GF	E	293553.4	1246019.9	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R0787	GF	E	293554.5	1247330.3	Residential	65	46	42	43	46	43	44	45	41	43	47	42	45	47	43	45	1.0	No
R0788	GF	S	293546.8	1247117.8	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	0.9	No
R0791	GF	E	293582.0	1247777.1	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.1	No
R0791	F 1	E	293582.0	1247777.1	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0792	GF	SE	293554.6	1246238.7	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0793	GF	E	293553.2	1246006.3	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0794	GF	SE	293555.6	1245947.1	Residential	65	45	40	43	46	41	43	45	40	43	47	41	45	47	41	45	1.1	No
R0794	F 1	SE	293555.6	1245947.1	Residential	65	47	42	45	47	43	45	47	42	45	48	43	47	48	43	47	1.1	No
R0795	GF	E	293558.9	1247346.8	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	44	46	1.0	No
R0798	GF	E	293558.5	1247635.9	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R0799	GF	N	293550.1	1247733.7	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0800	GF	W	293544.5	1247798.6	Residential	65	43	39	40	43	40	40	42	39	40	44	40	42	44	40	42	0.8	No
R0802	GF	S	293548.3	1246925.5	Residential	65	51	47	48	51	48	49	50	47	48	52	48	49	52	48	49	0.4	No
R0803	GF	N	293555.2	1247166.0	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0804	GF	N	293557.4	1246223.4	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R0805	GF	E	293561.3	1247363.1	Residential	65	47	43	44	47	44	45	46	42	44	48	44	46	48	44	46	0.9	No
R0807	GF	E	293559.2	1246041.8	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R0807	F 1	E	293559.2	1246041.8	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.1	No
R0808	GF	N	293554.5	1247208.9	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0811	GF	S	293566.6	1247808.9	Residential	65	45	41	42	45	42	42	44	40	42	45	41	43	46	42	44	0.9	No
R0811	F 1	S	293566.6	1247808.9	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.8	No
R0812	GF	NE	293571.2	1246383.0	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	50	46	48	0.9	No
R0814	GF	SE	293558.6	1246972.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	45	46	0.8	No
R0815	GF	E	293559.0	1247376.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0816	GF	S	293560.1	1246288.0	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R0816	F 1	S	293560.1	1246288.0	Residential	65	49	44	47	49	45	47	49	44	47	50	45	48	50	45	48	1.0	No
R0817	GF	E	293565.1	1246398.2	Residential	65	48	44	46	49	45	46	48	44	46	50	45	47	50	45	47	0.8	No
R0817	F 1	E	293565.1	1246398.2	Residential	65	52	47	50	52	48	49	51	47	49	53	48	51	53	48	51	0.9	No
R0819	GF	E	293563.7	1247667.2	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0820	GF	S	293586.0	1247829.8	Residential	65	41	37	39	42	38	39	41	37	39	42	38	41	43	38	41	1.2	No
R0820	F 1	S	293586.0	1247829.8	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0821	GF	E	293566.9	1247396.2	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0822	GF	SE	293566.6	1247019.0	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	44	47	0.9	No
R0823	GF	N	293555.0	1246070.5	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0823	F 1	N	293555.0	1246070.5	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R0825	GF	E	293563.2	1247686.0	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0825	F 1	E	293563.2	1247686.0	Residential	65	51	47	48	51	48	48	50	46	48	51	47	49	52	48	50	0.8	No
R0826	GF	E	293567.8	1247069.3	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	45	0.9	No
R0827	GF	E	293566.7	1247866.3	Residential	65	42	38	40	42	39	40	42	37	39	43	38	41	43	39	41	1.0	No
R0827	F 1	E	293566.7	1247866.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0828	GF	E	293566.4	1247701.4	Residential	65	47	43	44	47	43	44	46	42	44	48	43	46	48	44	46	0.9	No
R0829	GF	E	293566.2	1247413.0	Residential	65	47	43	45	47	44	44	46	43	44	48	44	46	48	44	46	1.0	No
R0831	GF	E	293565.7	1247055.5	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0832	GF	N	293563.9	1247254.6	Residential	65	47	43	45	48	45	45	47	43	44	48	44	46	49	45	47	1.0	No
R0833	GF	N	293565.5	1247090.8	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	46	0.8	No
R0834	GF	E	293570.5	1247426.0	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0835	GF	S	293562.5	1247116.7	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	44	47	0.8	No
R0838	GF	E	293572.0	1247721.9	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0839	GF	E	293572.9	1247042.8	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0840	GF	E	293570.6	1247446.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	49	44	47	1.1	No
R0841	GF	NE	293576.8	1246250.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0843	GF	SE	293570.5	1246980.8	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	49	45	47	0.8	No
R0844	GF	E	293577.3	1247462.6	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	48	43	46	1.1	No
R0845	GF	N	293570.0	1247204.8	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.1	No
R0846	GF	E	293570.1	1246224.7	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0847	GF	N	293570.3	1247165.0	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	1.0	No
R0849	GF	E	293576.4	1247480.7	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	45	1.0	No
R0850	GF	SE	293572.3	1246936.3	Residential	65	52	49	50	53	50	50	52	49	49	53	50	51	53	50	51	0.4	No
R0851	GF	NE	293572.3	1246637.2	Active recreation	65	52	49	50	53	50	50	52	49	49	53	50	51	54	50	51	0.6	No
R0855	GF	NE	293576.9	1246930.9	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.4	No
R0856	GF	SE	293572.8	1246405.3	Residential	65	48	44	46	49	45	46	48	44	46	50	45	47	50	45	47	0.8	No
R0857	GF	E	293588.2	1246517.0	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.2	No
R0859	GF	E	293581.5	1247496.5	Residential	65	46	42	43	46	43	44	45	42	43	47	43	45	47	43	45	1.0	No
R0860	GF	E	293588.8	1247285.5	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R0860	F 1	E	293588.8	1247285.5	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.7	No
R0863	GF	E	293584.1	1246217.6	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0864	GF	E	293581.5	1246535.6	Residential	65	48	44	45	48	45	45	48	44	45	49	45	47	49	45	47	1.0	No
R0865	GF	E	293587.2	1246506.8	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	0.9	No
R0867	GF	N	293579.1	1247252.0	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	47	1.0	No
R0868	GF	SE	293580.2	1246349.7	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R0869	GF	E	293581.9	1246484.7	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	48	1.1	No
R0871	GF	E	293584.5	1247529.6	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0872	GF	E	293587.4	1246550.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0873	GF	E	293587.4	1247878.7	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R0874	GF	NE	293586.2	1246263.9	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	47	1.0	No
R0875	GF	NE	293580.4	1246371.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0876	GF	E	293584.8	1247546.0	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0878	GF	NW	293573.5	1246332.0	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.1	No
R0878	F 1	NW	293573.5	1246332.0	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	1.2	No
R0879	GF	SE	293590.0	1246300.3	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R0879	F 1	SE	293590.0	1246300.3	Residential	65	49	45	48	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R0880	GF	S	293579.1	1247113.8	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	48	44	46	0.7	No
R0881	GF	S	293577.6	1247353.1	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0882	GF	NE	293586.4	1246470.3	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	0.9	No
R0882	F 1	NE	293586.4	1246470.3	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R0883	GF	NE	293590.0	1246607.1	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	50	51	0.6	No
R0883	F 1	NE	293590.0	1246607.1	Residential	65	53	49	50	53	50	50	52	49	49	54	50	51	54	50	51	0.7	No
R0884	GF	S	293585.6	1247555.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	45	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0885	GF	SE	293584.6	1246985.4	Residential	65	49	46	47	50	47	47	49	45	46	51	46	48	51	47	48	0.8	No
R0886	GF	E	293596.4	1247341.5	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0891	GF	N	293585.5	1247162.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R0893	GF	N	293585.5	1247206.1	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R0894	GF	N	293588.2	1247084.4	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0894	F 1	N	293588.2	1247084.4	Residential	65	50	46	47	50	47	47	49	45	46	50	46	48	51	47	49	0.8	No
R0895	GF	E	293627.8	1245987.8	Residential	65	45	40	44	46	41	44	45	40	44	47	41	46	47	41	46	1.3	No
R0895	F 1	E	293627.8	1245987.8	Residential	65	47	42	45	47	43	45	47	42	45	49	43	47	49	43	47	1.3	No
R0895	F 2	E	293627.8	1245987.8	Residential	65	49	44	47	49	45	47	49	44	47	50	45	49	50	45	49	1.3	No
R0895	F 3	E	293627.8	1245987.8	Residential	65	52	47	50	52	48	50	52	47	50	53	48	51	53	48	52	1.2	No
R0897	GF	E	293591.9	1247579.9	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R0899	GF	E	293593.6	1247323.9	Residential	65	48	43	45	48	44	45	47	43	45	49	44	47	49	45	47	0.9	No
R0900	GF	E	293588.7	1247306.8	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	0.9	No
R0902	GF	E	293592.4	1247596.4	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R0902	F 1	E	293592.4	1247596.4	Residential	65	50	46	48	50	47	48	50	46	47	51	47	49	51	47	49	1.0	No
R0905	GF	SE	293590.0	1246942.4	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.4	No
R0906	GF	S	293587.8	1246220.3	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R0908	GF	S	293600.3	1247008.8	Residential	65	50	46	47	50	47	47	49	46	47	51	47	48	51	47	48	0.6	No
R0909	GF	E	293597.5	1246414.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R0911	GF	S	293596.1	1247605.1	Residential	65	45	41	42	45	42	43	44	40	42	46	41	44	46	42	44	1.0	No
R0911	F 1	S	293596.1	1247605.1	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.9	No
R0914	GF	E	293618.6	1246339.2	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.1	No
R0914	F 1	E	293618.6	1246339.2	Residential	65	52	47	50	52	48	50	51	47	49	53	48	51	53	48	51	0.9	No
R0916	GF	E	293610.7	1246026.4	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0916	F 1	E	293610.7	1246026.4	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R0916	F 2	E	293610.7	1246026.4	Residential	65	51	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R0917	GF	S	293590.9	1247753.8	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.8	No
R0917	F 1	S	293590.9	1247753.8	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R0918	GF	N	293593.9	1247250.4	Residential	65	48	44	45	48	45	46	47	43	45	49	44	47	49	45	47	0.9	No
R0918	F 1	N	293593.9	1247250.4	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	52	47	49	0.8	No
R0919	GF	E	293604.3	1247390.3	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R0920	GF	E	293598.5	1247357.9	Residential	65	47	43	45	48	44	45	47	43	45	48	44	47	49	44	47	1.0	No
R0921	GF	E	293613.4	1246325.3	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0921	F 1	E	293613.4	1246325.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	0.9	No
R0923	GF	E	293606.3	1247032.4	Residential	65	49	45	46	49	46	46	48	45	46	50	46	48	50	46	48	0.8	No
R0924	GF	E	293603.3	1247627.8	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	46	41	43	1.1	No
R0925	GF	SE	293597.3	1246994.5	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	48	49	0.6	No
R0926	GF	E	293602.5	1247374.5	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0927	GF	N	293600.8	1246372.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.8	No
R0928	GF	S	293592.9	1246446.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R0933	GF	SE	293598.6	1246949.4	Residential	65	53	50	51	54	51	51	53	50	50	54	51	52	54	51	52	0.5	No
R0935	GF	E	293613.9	1247646.2	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R0936	GF	E	293603.7	1246234.0	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0937	GF	E	293603.5	1247884.6	Residential	65	41	37	38	41	38	38	40	36	38	42	37	40	42	38	40	1.0	No
R0940	GF	S	293591.6	1247112.0	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	47	0.8	No
R0941	GF	N	293600.4	1247160.6	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	1.0	No
R0942	GF	N	293600.3	1247204.1	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	46	48	1.0	No
R0943	GF	N	293607.0	1246081.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R0943	F 1	N	293607.0	1246081.0	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	0.9	No
R0943	F 2	N	293607.0	1246081.0	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R0945	GF	E	293608.0	1247045.7	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.8	No
R0947	GF	S	293600.7	1247673.1	Residential	65	45	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R0948	GF	E	293606.2	1247661.5	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R0949	GF	E	293632.6	1247787.3	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.8	No
R0949	F 1	E	293632.6	1247787.3	Residential	65	51	47	49	51	48	49	50	46	48	52	47	50	52	48	50	0.7	No
R0950	GF	S	293605.9	1246249.0	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R0951	GF	E	293615.6	1247075.4	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R0953	GF	E	293607.0	1247410.0	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R0954	GF	N	293601.0	1246357.2	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R0956	GF	E	293607.7	1247595.4	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	0.9	No
R0958	GF	E	293610.8	1247425.2	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.1	No
R0959	GF	E	293611.0	1247695.4	Residential	65	47	43	44	47	44	44	46	43	44	48	44	46	48	44	46	1.0	No
R0959	F 1	E	293611.0	1247695.4	Residential	65	52	48	49	52	49	49	51	47	49	53	48	50	53	49	51	0.8	No
R0961	GF	E	293609.4	1247055.6	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	0.9	No
R0964	GF	E	293645.5	1247856.3	Residential	65	46	42	44	46	43	43	45	41	43	47	42	45	47	43	45	0.9	No
R0964	F 1	E	293645.5	1247856.3	Residential	65	49	45	46	49	46	47	48	44	46	50	45	48	50	46	48	0.9	No
R0964	F 2	E	293645.5	1247856.3	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.8	No
R0965	GF	S	293610.8	1247704.6	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0966	GF	E	293612.8	1246405.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R0968	GF	E	293639.5	1247833.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.8	No
R0968	F 1	E	293639.5	1247833.7	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.7	No
R0969	GF	E	293615.5	1247458.4	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.1	No
R0972	GF	E	293612.3	1247441.0	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	46	1.1	No
R0972	F 1	E	293612.3	1247441.0	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	0.9	No
R0973	GF	S	293607.3	1247109.2	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.6	No
R0974	GF	N	293610.0	1247248.0	Residential	65	48	44	45	48	45	45	47	43	45	49	44	46	49	45	47	1.0	No
R0976	GF	SE	293610.9	1246954.4	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	54	50	52	0.4	No
R0977	GF	E	293618.5	1247490.4	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0978	GF	E	293617.4	1247476.0	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R0979	GF	E	293618.5	1246348.8	Residential	65	48	44	46	48	45	46	48	44	46	49	45	48	49	45	48	1.0	No
R0980	GF	N	293612.2	1246234.6	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R0982	GF	SE	293621.4	1246256.4	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R0983	GF	E	293616.7	1247890.1	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0983	F 1	E	293616.7	1247890.1	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0984	GF	E	293625.9	1247555.4	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	45	47	1.0	No
R0984	F 1	E	293625.9	1247555.4	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.9	No
R0985	GF	N	293615.5	1247157.9	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R0986	GF	E	293634.9	1247806.2	Residential	65	49	45	47	49	46	47	48	44	46	50	45	48	50	46	48	0.9	No
R0986	F 1	E	293634.9	1247806.2	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.8	No
R0986	F 2	E	293634.9	1247806.2	Residential	65	52	48	49	52	49	49	51	47	49	53	48	50	53	49	51	0.7	No
R0987	GF	N	293616.0	1246459.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R0990	GF	N	293615.5	1247201.9	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R0991	GF	E	293631.7	1247573.7	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R0991	F 1	E	293631.7	1247573.7	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.7	No
R0994	GF	E	293630.1	1247772.0	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.8	No
R0994	F 1	E	293630.1	1247772.0	Residential	65	51	47	49	51	48	49	50	46	48	52	47	50	52	48	50	0.8	No
R0995	GF	E	293625.3	1247523.1	Residential	65	46	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R0996	GF	E	293624.1	1246363.1	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	49	1.1	No
R0997	GF	S	293613.8	1247669.7	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.1	No
R1000	GF	E	293621.1	1247693.2	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R1001	GF	E	293625.8	1247539.8	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R1002	GF	S	293618.4	1247742.5	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	47	49	0.9	No
R1002	F 1	S	293618.4	1247742.5	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.7	No
R1003	GF	E	293638.9	1247604.3	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R1003	F 1	E	293638.9	1247604.3	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.7	No
R1007	GF	E	293631.3	1246276.8	Residential	65	48	43	46	48	44	46	48	43	46	49	44	47	49	44	47	1.0	No
R1009	GF	N	293623.6	1247245.2	Residential	65	47	44	45	48	45	45	47	43	44	48	44	46	49	45	47	0.9	No
R1011	GF	E	293631.1	1246407.3	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.1	No
R1012	GF	NE	293630.3	1246969.6	Residential	65	54	50	52	54	51	51	53	50	51	55	51	52	55	51	53	0.6	No
R1013	GF	E	293632.8	1247113.6	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.5	No
R1014	GF	S	293624.1	1247651.1	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R1016	GF	E	293632.9	1247281.6	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1018	GF	N	293627.5	1247307.4	Residential	65	45	42	43	46	43	43	45	41	43	46	42	44	47	43	45	1.0	No
R1018	F 1	N	293627.5	1247307.4	Residential	65	51	48	49	52	48	49	51	47	49	53	48	50	53	49	51	0.9	No
R1019	GF	E	293633.4	1247894.1	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R1020	GF	W	293621.5	1247674.9	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.1	No
R1021	GF	E	293633.3	1247590.1	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1022	GF	N	293630.5	1247195.5	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	50	45	48	1.1	No
R1023	GF	S	293629.5	1247313.3	Residential	65	47	43	45	47	44	44	46	43	44	48	44	46	48	44	46	0.9	No
R1023	F 1	S	293629.5	1247313.3	Residential	65	52	48	49	52	49	50	51	48	49	53	49	51	53	49	51	0.7	No
R1024	GF	E	293635.6	1246107.0	Residential	65	49	45	46	49	46	46	49	45	46	50	46	48	50	46	48	1.1	No
R1024	F 1	E	293635.6	1246107.0	Residential	65	53	48	51	53	49	51	53	48	51	54	49	52	54	49	53	1.0	No
R1024	F 2	E	293635.6	1246107.0	Residential	65	54	49	52	54	50	52	54	49	52	55	50	53	55	50	54	1.0	No
R1027	GF	SE	293633.2	1246221.8	Residential	65	48	44	46	48	45	46	48	44	46	49	45	48	49	45	48	1.0	No
R1028	GF	N	293634.1	1247154.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1029	GF	E	293641.6	1246505.2	Residential	65	49	46	47	50	47	47	49	46	46	51	47	48	51	47	48	0.7	No
R1031	GF	S	293632.5	1246445.4	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R1032	GF	E	293639.9	1247623.4	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R1033	GF	E	293639.1	1247334.7	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	45	0.9	No
R1033	F 1	E	293639.1	1247334.7	Residential	65	51	47	49	51	48	48	50	47	48	52	48	50	52	48	50	0.8	No
R1034	GF	SE	293638.2	1246982.6	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	56	52	53	0.5	No
R1035	GF	S	293637.0	1247344.3	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R1036	GF	SE	293644.9	1246044.3	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R1036	F 1	SE	293644.9	1246044.3	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.1	No
R1036	F 2	SE	293644.9	1246044.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.0	No
R1039	GF	E	293642.9	1247368.3	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.1	No
R1042	GF	N	293638.5	1247243.9	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	0.9	No
R1043	GF	E	293642.1	1247003.4	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.6	No
R1044	GF	E	293644.4	1247386.3	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R1045	GF	E	293642.5	1247641.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1045	F 1	E	293642.5	1247641.4	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.8	No
R1047	GF	E	293645.1	1246515.3	Residential	65	49	45	46	49	46	46	48	45	46	50	46	48	50	46	48	0.8	No
R1048	GF	E	293643.8	1246136.9	Residential	65	50	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.1	No
R1048	F 1	E	293643.8	1246136.9	Residential	65	53	48	51	53	49	51	53	48	51	54	49	53	54	49	53	1.0	No
R1048	F 2	E	293643.8	1246136.9	Residential	65	54	49	52	54	50	52	54	49	52	55	50	54	55	50	54	1.0	No
R1049	GF	E	293677.8	1246551.2	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R1049	F 1	E	293677.8	1246551.2	Residential	65	49	45	47	50	46	47	50	45	48	51	46	49	51	46	49	1.2	No
R1050	GF	E	293645.3	1247656.9	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R1050	F 1	E	293645.3	1247656.9	Residential	65	51	47	49	51	48	48	50	46	48	52	47	50	52	48	50	0.8	No
R1052	GF	SE	293643.0	1246286.6	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R1053	GF	E	293647.0	1247016.0	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.5	No
R1054	GF	E	293660.1	1246567.3	Residential	65	43	39	40	43	40	40	43	39	40	44	40	42	44	40	42	1.1	No
R1054	F 1	E	293660.1	1246567.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R1055	GF	SE	293660.7	1246002.4	Residential	65	47	43	46	48	43	45	47	43	45	49	43	47	49	43	47	1.1	No
R1055	F 1	SE	293660.7	1246002.4	Residential	65	49	44	47	49	45	47	49	44	47	51	45	49	51	45	49	1.1	No
R1055	F 2	SE	293660.7	1246002.4	Residential	65	51	46	49	51	47	49	51	46	49	52	47	51	52	47	51	1.1	No
R1055	F 3	SE	293660.7	1246002.4	Residential	65	53	48	51	53	49	51	53	48	51	54	49	53	54	49	53	1.1	No
R1057	GF	S	293639.1	1247293.1	Residential	65	47	43	45	48	44	45	47	43	45	49	44	46	49	44	47	0.9	No
R1058	GF	E	293646.7	1247672.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R1058	F 1	E	293646.7	1247672.6	Residential	65	51	47	49	51	48	49	51	47	48	52	48	50	52	48	50	0.8	No
R1059	GF	E	293648.6	1247403.3	Residential	65	46	42	44	47	43	44	46	42	43	47	43	45	48	43	45	1.0	No
R1060	GF	E	293648.4	1247034.6	Residential	65	54	50	52	55	51	52	53	50	51	55	51	52	55	51	53	0.5	No
R1061	GF	S	293645.2	1247877.0	Residential	65	47	43	45	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R1062	GF	N	293651.2	1246086.0	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R1062	F 1	N	293651.2	1246086.0	Residential	65	53	49	51	53	49	51	53	48	51	54	49	53	54	49	53	1.0	No
R1062	F 2	N	293651.2	1246086.0	Residential	65	54	50	52	54	51	52	54	50	52	55	51	54	55	51	54	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1063	GF	E	293651.7	1247706.6	Residential	65	49	45	47	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1064	GF	E	293646.1	1246173.1	Residential	65	49	45	47	49	46	47	49	45	47	50	46	49	51	46	49	1.1	No
R1064	F 1	E	293646.1	1246173.1	Residential	65	53	48	51	53	49	51	53	48	51	54	49	53	54	49	53	1.0	No
R1064	F 2	E	293646.1	1246173.1	Residential	65	54	50	52	54	50	52	54	50	52	55	51	53	55	51	54	1.0	No
R1065	GF	S	293642.1	1247062.2	Residential	65	52	48	49	52	49	49	51	48	48	52	49	50	52	49	50	0.4	No
R1066	GF	E	293648.3	1247048.8	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.4	No
R1067	GF	S	293644.6	1246224.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R1068	GF	N	293645.3	1247191.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1070	GF	S	293649.4	1247411.1	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R1071	GF	SE	293652.2	1246297.9	Residential	65	49	45	47	49	45	47	49	44	47	50	45	48	50	45	48	1.0	No
R1071	F 1	SE	293652.2	1246297.9	Residential	65	53	48	51	53	49	51	52	48	50	54	49	52	54	49	52	0.9	No
R1072	GF	E	293649.7	1247689.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1072	F 1	E	293649.7	1247689.7	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	0.8	No
R1074	GF	E	293655.6	1247131.0	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.7	No
R1078	GF	E	293652.7	1247435.0	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R1078	F 1	E	293652.7	1247435.0	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	0.8	No
R1079	GF	E	293652.4	1247113.6	Residential	65	52	48	50	53	50	50	52	48	49	53	49	51	53	50	51	0.5	No
R1082	GF	N	293654.9	1246594.3	Residential	65	52	48	49	52	49	49	51	48	48	53	49	50	53	49	50	0.6	No
R1082	F 1	N	293654.9	1246594.3	Residential	65	52	49	50	53	50	50	52	48	49	53	49	51	53	50	51	0.6	No
R1083	GF	E	293661.1	1247144.3	Residential	65	50	46	48	50	47	48	50	46	47	51	47	49	51	47	49	0.9	No
R1084	GF	E	293657.3	1247451.9	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	47	42	45	1.1	No
R1091	GF	E	293657.5	1246450.9	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R1092	GF	E	293656.7	1247468.9	Residential	65	46	42	43	46	43	44	45	42	43	47	43	45	47	43	45	1.0	No
R1093	GF	N	293653.5	1247240.6	Residential	65	48	44	45	48	45	45	47	43	45	49	44	46	49	45	47	0.9	No
R1094	GF	E	293658.0	1246314.9	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R1095	GF	N	293654.9	1246409.8	Residential	65	48	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R1097	GF	SE	293659.7	1246331.5	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R1101	GF	N	293655.6	1246363.9	Residential	65	49	45	47	49	46	46	49	45	46	50	46	48	50	46	48	0.9	No
R1102	GF	E	293668.6	1247483.9	Residential	65	46	42	43	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R1104	GF	S	293656.7	1246343.5	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R1107	GF	N	293655.9	1246497.6	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R1108	GF	E	293662.7	1247070.7	Residential	65	54	50	51	54	51	51	53	50	50	54	51	52	55	51	52	0.5	No
R1116	GF	SE	293661.6	1246232.4	Residential	65	48	44	46	48	45	46	48	44	46	49	45	48	50	45	48	1.2	No
R1117	GF	S	293659.2	1247177.3	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R1119	GF	S	293662.6	1247512.9	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	0.9	No
R1119	F 1	S	293662.6	1247512.9	Residential	65	51	46	48	51	47	48	50	46	48	51	47	49	52	48	50	0.8	No
R1120	GF	E	293674.7	1247328.6	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	48	1.0	No
R1120	F 1	E	293674.7	1247328.6	Residential	65	53	49	51	53	50	50	52	48	50	54	49	52	54	50	52	0.8	No
R1121	GF	E	293668.4	1247276.3	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1124	GF	E	293671.5	1247294.8	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	1.0	No
R1125	GF	E	293671.3	1247532.9	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R1127	GF	E	293682.5	1247345.5	Residential	65	48	44	46	49	45	46	48	44	46	49	45	48	50	45	48	1.1	No
R1127	F 1	E	293682.5	1247345.5	Residential	65	53	49	50	53	50	50	52	48	50	54	49	52	54	50	52	0.8	No
R1128	GF	E	293670.1	1246100.0	Residential	65	50	45	48	50	46	48	50	45	47	51	46	49	51	46	49	1.0	No
R1130	GF	E	293669.0	1247310.2	Residential	65	48	44	46	48	45	46	47	44	45	49	45	47	49	45	47	0.9	No
R1132	GF	S	293663.2	1247735.9	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R1133	GF	E	293670.1	1247550.7	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R1133	F 1	E	293670.1	1247550.7	Residential	65	50	46	48	50	47	48	49	45	47	51	46	49	51	47	49	0.9	No
R1135	GF	E	293680.4	1247364.7	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R1135	F 1	E	293680.4	1247364.7	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	49	51	0.8	No
R1137	GF	E	293675.7	1247231.8	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1139	GF	N	293671.3	1246403.7	Residential	65	48	44	46	49	45	46	48	44	46	50	45	47	50	45	47	0.9	No
R1140	GF	E	293672.7	1247566.4	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	48	43	46	1.1	No
R1142	GF	S	293668.2	1246436.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No
R1143	GF	E	293674.0	1247584.1	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	0.9	No
R1144	GF	W	293662.7	1247773.4	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	42	0.8	No
R1144	F 1	W	293662.7	1247773.4	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.9	No
R1146	GF	SE	293680.4	1246191.3	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.1	No
R1147	GF	S	293672.1	1247593.0	Residential	65	45	41	43	46	43	43	45	41	43	46	42	44	47	43	45	1.0	No
R1148	GF	E	293682.8	1247378.0	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.1	No
R1148	F 1	E	293682.8	1247378.0	Residential	65	53	49	50	53	50	50	52	48	50	54	49	52	54	50	52	0.8	No
R1149	GF	E	293675.8	1246354.1	Residential	65	48	44	45	48	45	45	48	44	45	49	45	47	49	45	47	1.0	No
R1152	GF	E	293685.8	1246588.8	Residential	65	53	50	51	54	51	51	53	50	50	54	51	52	55	51	52	0.6	No
R1152	F 1	E	293685.8	1246588.8	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.7	No
R1153	GF	SE	293677.0	1246241.5	Residential	65	49	44	47	49	45	47	49	44	47	50	45	48	50	45	48	1.2	No
R1154	GF	E	293677.6	1246114.6	Residential	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	50	1.1	No
R1156	GF	E	293679.8	1247617.3	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R1156	F 1	E	293679.8	1247617.3	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.8	No
R1158	GF	S	293684.3	1247797.4	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	40	42	1.1	No
R1158	F 1	S	293684.3	1247797.4	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.7	No
R1160	GF	S	293676.5	1246482.9	Residential	65	48	44	46	48	45	46	48	44	46	49	45	48	49	45	48	1.1	No
R1161	GF	E	293679.0	1246130.7	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R1163	GF	E	293680.4	1246075.6	Residential	65	50	46	48	50	47	48	50	46	48	51	47	50	52	47	50	1.1	No
R1166	GF	W	293670.5	1247821.2	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	41	0.9	No
R1166	F 1	W	293670.5	1247821.2	Residential	65	47	43	45	47	44	44	47	43	44	48	44	46	48	44	46	1.0	No
R1168	GF	SE	293686.9	1246255.3	Residential	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	49	1.1	No
R1171	GF	E	293685.4	1247633.5	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R1171	F 1	E	293685.4	1247633.5	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.9	No
R1172	GF	NE	293685.8	1246183.4	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.1	No
R1174	GF	E	293683.1	1247649.8	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R1174	F 1	E	293683.1	1247649.8	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	0.9	No
R1175	GF	S	293678.6	1247833.9	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	0.9	No
R1175	F 1	S	293678.6	1247833.9	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1176	GF	E	293694.3	1247428.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1176	F 1	E	293694.3	1247428.7	Residential	65	52	47	49	52	48	49	51	47	49	53	48	51	53	49	51	0.8	No
R1177	GF	E	293689.0	1247396.8	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R1178	GF	S	293687.5	1247734.2	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.8	No
R1178	F 1	S	293687.5	1247734.2	Residential	65	52	48	49	52	49	49	51	47	49	52	48	50	53	49	51	0.8	No
R1179	GF	S	293724.7	1247670.2	Commercial	n/a	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1180	GF	E	293691.6	1247412.7	Residential	65	47	44	45	48	44	45	47	43	45	49	44	47	49	45	47	1.0	No
R1180	F 1	E	293691.6	1247412.7	Residential	65	52	48	50	52	49	49	51	47	49	53	48	51	53	49	51	0.9	No
R1181	GF	E	293692.2	1246278.0	Residential	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	50	1.0	No
R1182	GF	N	293684.9	1246582.1	Residential	65	54	50	52	55	51	52	54	50	51	55	51	52	55	51	53	0.6	No
R1182	F 1	N	293684.9	1246582.1	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	56	52	53	0.6	No
R1183	GF	S	293689.9	1246385.6	Residential	65	49	45	47	49	46	47	49	45	47	51	46	49	51	46	49	1.1	No
R1184	GF	E	293691.8	1246524.4	Residential	65	50	46	48	50	47	48	50	46	47	51	47	49	51	47	49	1.0	No
R1185	GF	E	293689.8	1246161.8	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	1.0	No
R1186	GF	S	293682.6	1247872.4	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R1186	F 1	S	293682.6	1247872.4	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.7	No
R1187	GF	E	293694.0	1246441.4	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R1188	GF	E	293697.2	1246064.8	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R1189	GF	E	293700.1	1246292.3	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R1191	GF	W	293681.5	1247860.9	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.8	No
R1191	F 1	W	293681.5	1247860.9	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.6	No
R1191	F 2	W	293681.5	1247860.9	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.7	No
R1191	F 3	W	293681.5	1247860.9	Residential	65	44	40	42	44	41	41	43	39	41	45	40	43	45	41	43	0.8	No
R1192	GF	NE	293691.5	1246356.2	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	0.9	No
R1193	GF	E	293694.2	1247445.0	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	1.0	No
R1193	F 1	E	293694.2	1247445.0	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	0.8	No
R1195	GF	E	293693.7	1247107.6	Residential	65	53	49	51	54	51	51	53	49	50	54	50	52	54	51	52	0.6	No
R1198	GF	S	293691.1	1247173.5	Residential	65	48	44	46	49	45	46	48	44	46	50	45	47	50	45	48	0.8	No
R1200	GF	E	293700.6	1247511.1	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1200	F 1	E	293700.6	1247511.1	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	0.8	No
R1201	GF	E	293696.6	1247462.3	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	45	47	1.0	No
R1202	GF	E	293700.0	1247121.5	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.6	No
R1203	GF	E	293700.6	1247478.9	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R1205	GF	E	293698.2	1246307.2	Residential	65	50	45	48	50	46	48	49	45	47	51	46	49	51	46	49	0.9	No
R1208	GF	E	293697.7	1247141.3	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	1.0	No
R1212	GF	E	293704.1	1246327.1	Residential	65	49	44	47	49	45	47	49	44	47	50	45	48	50	45	48	1.0	No
R1213	GF	SE	293706.0	1246016.2	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.2	No
R1213	F 1	SE	293706.0	1246016.2	Residential	65	52	47	50	52	48	50	52	47	50	53	48	52	53	48	52	1.1	No
R1213	F 2	SE	293706.0	1246016.2	Residential	65	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.2	No
R1215	GF	E	293700.1	1246508.4	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	1.0	No
R1217	GF	E	293711.0	1247530.2	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1217	F 1	E	293711.0	1247530.2	Residential	65	51	47	49	51	48	49	51	47	48	52	48	50	52	48	50	0.8	No
R1220	GF	NE	293705.7	1246488.8	Residential	65	49	45	47	49	46	46	49	45	46	50	46	48	50	46	48	1.1	No
R1221	GF	N	293703.5	1247233.6	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	1.0	No
R1223	GF	E	293708.6	1247545.9	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R1227	GF	N	293703.9	1247907.7	Residential	65	39	35	37	40	36	37	39	35	37	40	36	38	41	36	39	1.1	No
R1227	F 1	N	293703.9	1247907.7	Residential	65	41	37	39	41	38	39	40	36	38	42	37	40	43	38	41	1.2	No
R1228	GF	E	293715.2	1247577.2	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1230	GF	E	293710.9	1246342.1	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.0	No
R1231	GF	S	293704.7	1247264.3	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	47	1.0	No
R1233	GF	E	293712.3	1246082.2	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R1234	GF	E	293707.8	1247558.3	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R1237	GF	E	293724.6	1247629.2	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.1	No
R1238	GF	E	293721.1	1247612.3	Residential	65	47	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.1	No
R1238	F 1	E	293721.1	1247612.3	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	0.9	No
R1239	GF	E	293719.8	1247594.8	Residential	65	47	43	45	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R1239	F 1	E	293719.8	1247594.8	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	52	47	49	0.7	No
R1239	F 2	E	293719.8	1247594.8	Residential	65	53	49	51	53	50	51	52	49	50	54	50	52	54	50	52	0.7	No
R1240	GF	S	293709.4	1247171.5	Residential	65	49	45	46	49	46	46	48	45	46	50	46	48	50	46	48	0.8	No
R1241	GF	E	293712.1	1246212.4	Residential	65	50	46	48	51	47	48	50	46	49	52	47	50	52	47	50	1.2	No
R1248	GF	E	293717.3	1247119.4	Residential	65	53	49	51	53	50	51	53	49	50	54	50	52	54	50	52	0.6	No
R1249	GF	E	293716.8	1247305.6	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1250	GF	E	293714.5	1246388.0	Residential	65	51	47	49	51	48	49	51	47	49	53	48	51	53	48	51	1.2	No
R1251	GF	E	293714.1	1247287.9	Residential	65	49	45	47	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1252	GF	E	293717.5	1246408.1	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R1253	GF	NE	293714.2	1246450.6	Residential	65	50	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R1254	GF	E	293727.3	1247318.5	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.1	No
R1256	GF	E	293719.7	1246198.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.1	No
R1259	GF	E	293719.8	1247133.7	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.7	No
R1260	GF	S	293725.9	1247730.2	Residential	65	50	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R1260	F 1	S	293725.9	1247730.2	Residential	65	52	48	49	52	49	49	51	47	49	52	48	50	53	49	51	0.7	No
R1261	GF	N	293713.6	1247230.0	Residential	65	48	45	46	49	46	46	48	44	45	49	45	47	50	46	48	0.9	No
R1261	F 1	N	293713.6	1247230.0	Residential	65	52	48	50	52	49	49	51	47	49	52	48	50	53	49	51	0.8	No
R1262	GF	E	293721.8	1246226.4	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.2	No
R1263	GF	E	293718.7	1246423.2	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	0.9	No
R1265	GF	E	293720.1	1246096.7	Residential	65	50	46	47	50	47	48	50	46	47	51	47	49	51	47	49	1.1	No
R1267	GF	E	293730.9	1247347.2	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	1.0	No
R1267	F 1	E	293730.9	1247347.2	Residential	65	54	50	51	54	51	51	53	49	51	54	50	52	55	51	53	0.8	No
R1270	GF	NW	293719.6	1246069.1	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	1.0	No
R1270	F 1	NW	293719.6	1246069.1	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.9	No
R1272	GF	E	293721.9	1247335.9	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	0.9	No
R1273	GF	E	293724.1	1247887.8	Residential	65	43	39	40	43	40	40	42	38	40	43	39	41	44	40	42	1.0	No
R1273	F 1	E	293724.1	1247887.8	Residential	65	45	41	43	46	42	43	44	40	42	46	41	44	47	42	45	1.1	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1274	GF	E	293726.6	1247642.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1275	GF	E	293728.1	1247365.4	Residential	65	49	45	46	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R1276	GF	E	293751.2	1247773.2	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	46	0.7	No
R1276	F 1	E	293751.2	1247773.2	Residential	65	49	45	47	49	46	47	48	45	46	50	46	48	50	46	48	0.8	No
R1277	GF	E	293754.4	1247790.7	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R1277	F 1	E	293754.4	1247790.7	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R1280	GF	E	293725.2	1246129.9	Residential	65	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	1.0	No
R1282	GF	SE	293725.6	1246110.6	Residential	65	52	47	49	52	48	49	52	47	49	53	48	51	53	48	51	1.0	No
R1285	GF	S	293721.3	1247168.0	Residential	65	49	45	46	49	46	46	48	45	46	50	46	48	50	46	48	0.8	No
R1286	GF	E	293755.2	1247811.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R1286	F 1	E	293755.2	1247811.5	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.9	No
R1288	GF	E	293727.5	1247382.2	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R1288	F 1	E	293727.5	1247382.2	Residential	65	53	49	51	53	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1290	GF	E	293745.6	1247753.9	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.8	No
R1290	F 1	E	293745.6	1247753.9	Residential	65	50	46	48	50	47	48	49	46	47	51	47	49	51	47	49	0.8	No
R1290	F 2	E	293745.6	1247753.9	Residential	65	52	48	50	52	49	49	51	47	49	53	48	51	53	49	51	0.9	No
R1290	F 3	E	293745.6	1247753.9	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	53	0.8	No
R1291	GF	E	293731.7	1247397.0	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1291	F 1	E	293731.7	1247397.0	Residential	65	53	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.9	No
R1292	GF	E	293728.4	1246240.2	Residential	65	51	46	49	51	47	49	51	46	49	52	47	50	52	47	50	1.1	No
R1293	GF	SE	293728.8	1246146.1	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.0	No
R1294	GF	NE	293727.6	1246185.5	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.2	No
R1295	GF	SE	293742.0	1246036.7	Residential	65	53	49	51	53	50	51	53	49	51	55	50	53	55	50	53	1.1	No
R1295	F 1	SE	293742.0	1246036.7	Residential	65	55	51	53	55	52	53	55	51	53	56	52	55	56	52	55	1.1	No
R1298	GF	S	293726.2	1247128.1	Residential	65	52	48	49	52	49	50	51	48	49	53	49	50	53	49	50	0.5	No
R1299	GF	N	293730.2	1247229.3	Residential	65	49	45	46	49	46	46	48	44	45	49	45	47	50	46	48	1.0	No
R1302	GF	E	293732.6	1247411.1	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R1303	GF	E	293742.5	1247837.5	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	1.0	No
R1303	F 1	E	293742.5	1247837.5	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R1303	F 2	E	293742.5	1247837.5	Residential	65	50	46	48	50	47	48	49	46	47	51	46	49	51	47	49	0.9	No
R1304	GF	E	293740.1	1247429.1	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1307	GF	N	293735.0	1246101.4	Residential	65	51	47	48	51	48	49	51	47	48	52	48	50	52	48	50	1.0	No
R1308	GF	E	293733.1	1246165.4	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.1	No
R1309	GF	E	293743.8	1246255.7	Residential	65	52	47	49	52	48	49	52	47	49	53	48	51	53	48	51	1.1	No
R1312	GF	S	293728.9	1247262.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1313	GF	E	293750.8	1246552.8	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.8	No
R1313	F 1	E	293750.8	1246552.8	Residential	65	55	51	53	55	52	53	55	51	52	56	52	54	56	52	54	0.8	No
R1313	F 2	E	293750.8	1246552.8	Residential	65	57	53	55	57	54	55	57	53	54	58	54	56	58	54	56	0.6	No
R1315	GF	E	293741.4	1247440.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	47	1.0	No
R1317	GF	E	293739.6	1247456.2	Residential	65	48	44	46	48	45	45	47	44	45	49	45	47	49	45	47	1.0	No
R1323	GF	E	293741.7	1246271.3	Residential	65	51	46	49	51	47	48	51	46	48	52	47	50	52	47	50	1.1	No
R1324	GF	S	293740.0	1247167.3	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1325	GF	E	293751.7	1246300.1	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	0.9	No
R1325	F 1	E	293751.7	1246300.1	Residential	65	56	51	54	56	52	54	55	51	53	57	52	55	57	52	55	0.9	No
R1326	GF	E	293746.3	1247471.0	Residential	65	48	45	46	49	46	46	48	44	46	50	45	47	50	46	48	0.9	No
R1329	GF	S	293739.6	1247123.1	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.5	No
R1331	GF	E	293751.6	1246285.3	Residential	65	52	48	50	52	49	50	52	48	50	53	49	52	53	49	52	1.0	No
R1331	F 1	E	293751.6	1246285.3	Residential	65	56	51	54	56	52	54	56	51	54	57	52	55	57	52	55	0.9	No
R1332	GF	E	293758.3	1246314.2	Residential	65	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	1.0	No
R1333	GF	E	293754.8	1247523.6	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R1334	GF	E	293762.7	1246582.2	Residential	65	54	50	51	54	51	51	53	50	50	54	51	52	55	51	52	0.6	No
R1334	F 1	E	293762.7	1246582.2	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	56	52	54	0.7	No
R1334	F 2	E	293762.7	1246582.2	Residential	65	57	53	55	58	54	55	57	53	54	58	54	56	58	54	56	0.7	No
R1335	GF	E	293763.4	1246523.1	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R1335	F 1	E	293763.4	1246523.1	Residential	65	55	51	52	55	51	52	54	50	52	56	51	54	56	51	54	0.8	No
R1335	F 2	E	293763.4	1246523.1	Residential	65	57	53	55	58	54	55	57	53	55	58	54	56	59	54	56	0.7	No
R1336	GF	S	293742.1	1247498.7	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	0.9	No
R1337	GF	E	293744.4	1247225.4	Residential	65	50	47	48	51	47	48	50	46	47	51	47	49	52	48	50	1.0	No
R1338	GF	E	293750.7	1246241.4	Residential	65	52	47	50	52	48	50	52	47	50	53	48	51	53	48	51	1.1	No
R1339	GF	E	293758.2	1247538.3	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1340	GF	E	293755.1	1246499.8	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	0.9	No
R1342	GF	NE	293749.2	1246345.6	Residential	65	53	49	50	53	50	50	52	49	50	54	50	52	54	50	52	0.8	No
R1345	GF	E	293765.1	1246468.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	0.9	No
R1347	GF	E	293758.8	1246485.1	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	1.0	No
R1349	GF	E	293754.5	1247554.9	Residential	65	46	42	44	46	43	43	45	42	43	47	43	45	47	43	45	1.0	No
R1351	GF	E	293759.4	1247572.9	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.1	No
R1354	GF	E	293760.6	1247177.0	Residential	65	50	46	48	51	48	48	50	46	47	51	47	49	52	48	49	0.7	No
R1356	GF	S	293754.6	1247119.6	Residential	65	52	48	49	52	49	49	52	48	49	53	49	51	53	49	51	0.8	No
R1359	GF	E	293763.6	1246385.7	Residential	65	52	48	50	52	49	50	52	48	49	53	49	51	53	49	51	0.9	No
R1361	GF	E	293763.6	1247261.0	Residential	65	51	47	49	51	48	48	51	47	48	52	48	50	52	48	50	1.1	No
R1362	GF	S	293755.3	1247850.5	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R1362	F 1	S	293755.3	1247850.5	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R1363	GF	S	293758.0	1247582.3	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R1363	F 1	S	293758.0	1247582.3	Residential	65	51	47	49	51	48	49	50	46	48	52	47	50	52	48	50	0.8	No
R1364	GF	E	293768.7	1247313.9	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	48	0.9	No
R1364	F 1	E	293768.7	1247313.9	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.8	No
R1365	GF	E	293765.2	1247603.8	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.1	No
R1369	GF	E	293766.2	1246400.5	Residential	65	53	49	51	54	50	51	53	49	51	54	50	52	54	50	52	0.8	No
R1371	GF	E	293765.5	1247620.9	Residential	65	46	42	43	46	43	43	45	41	43	47	42	45	47	43	45	1.0	No
R1371	F 1	E	293765.5	1247620.9	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	51	47	49	0.9	No
R1372	GF	E	293765.0	1246432.9	Residential	65	53	49	51	53	50	50	53	49	50	54	50	52	54	50	52	1.0	No
R1373	GF	N	293763.9	1247224.5	Residential	65	52	48	49	52	49	49	51	47	49	53	48	50	53	49	51	0.8	No
R1373	F 1	N	293763.9	1247224.5	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	52	0.7	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1374	GF	SE	293786.6	1246072.4	Residential	65	54	50	52	55	51	52	54	50	52	56	51	54	56	51	54	1.0	No
R1374	F 1	SE	293786.6	1246072.4	Residential	65	56	52	54	56	53	54	56	52	54	57	53	56	57	53	56	1.1	No
R1375	GF	E	293763.7	1247280.5	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	49	0.9	No
R1375	F 1	E	293763.7	1247280.5	Residential	65	55	51	52	55	52	52	54	50	52	56	51	53	56	52	54	0.9	No
R1376	GF	E	293766.7	1247299.9	Residential	65	50	46	47	50	47	48	49	45	47	51	46	49	51	47	49	0.9	No
R1377	GF	E	293765.3	1246416.9	Residential	65	53	49	51	54	50	51	53	49	51	55	50	52	55	50	52	0.9	No
R1378	GF	E	293765.0	1246302.2	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R1380	GF	E	293765.9	1246449.7	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.9	No
R1381	GF	E	293769.6	1247636.0	Residential	65	46	42	44	46	43	43	45	41	43	47	42	45	47	43	45	1.1	No
R1384	GF	E	293781.9	1247403.6	Residential	65	48	44	45	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1385	GF	E	293774.5	1247343.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	0.9	No
R1387	GF	E	293770.8	1246339.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.0	No
R1388	GF	E	293770.5	1247328.7	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	48	0.9	No
R1389	GF	E	293773.1	1246109.5	Residential	65	53	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.2	No
R1390	GF	SE	293770.6	1246064.2	Residential	65	54	50	52	55	51	52	54	50	52	56	51	54	56	51	54	1.1	No
R1390	F 1	SE	293770.6	1246064.2	Residential	65	55	51	53	56	52	53	55	51	53	57	52	55	57	52	55	1.1	No
R1393	GF	N	293770.0	1246258.8	Residential	65	52	48	49	52	48	49	52	48	49	53	48	51	53	48	51	1.0	No
R1394	GF	SE	293773.4	1246154.7	Residential	65	53	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R1395	GF	S	293767.1	1247568.5	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.1	No
R1396	GF	E	293771.8	1246173.9	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.1	No
R1397	GF	E	293782.1	1246184.0	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R1399	GF	E	293773.2	1246123.6	Residential	65	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.1	No
R1400	GF	E	293775.5	1247358.2	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	48	1.0	No
R1401	GF	E	293772.3	1246326.7	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R1404	GF	E	293782.7	1247417.7	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1405	GF	E	293776.9	1247389.2	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R1406	GF	E	293775.5	1246142.2	Residential	65	53	49	51	53	50	51	53	49	51	54	50	53	54	50	53	1.0	No
R1407	GF	E	293778.1	1247374.5	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1408	GF	SE	293772.9	1247126.6	Residential	65	52	49	50	53	50	50	52	48	50	54	50	51	54	50	51	0.8	No
R1410	GF	E	293781.8	1246232.7	Residential	65	52	48	50	53	49	50	53	48	51	54	49	52	54	49	52	1.1	No
R1411	GF	E	293785.2	1247448.1	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.1	No
R1413	GF	E	293784.6	1247465.4	Residential	65	48	45	46	49	46	46	48	44	46	49	45	47	50	45	48	0.9	No
R1414	GF	E	293786.5	1247434.6	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1415	GF	NE	293781.7	1247179.1	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	54	49	51	0.7	No
R1417	GF	S	293781.8	1247493.0	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1418	GF	N	293779.2	1247222.5	Residential	65	52	48	50	53	49	50	51	48	49	53	49	51	54	49	51	0.9	No
R1419	GF	N	293780.0	1246385.3	Residential	65	52	47	50	52	48	50	51	47	49	53	48	51	53	48	51	0.8	No
R1420	GF	NE	293781.0	1246221.5	Residential	65	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	1.2	No
R1421	GF	E	293786.4	1246202.7	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R1422	GF	SE	293787.8	1246243.2	Residential	65	52	48	50	52	49	50	52	48	50	53	49	52	53	49	52	1.0	No
R1424	GF	E	293785.7	1246577.2	Residential	65	53	49	51	54	50	51	53	49	50	54	50	51	54	50	51	0.4	No
R1424	F 1	E	293785.7	1246577.2	Residential	65	56	52	54	56	53	54	56	52	53	57	53	55	57	53	55	0.7	No
R1425	GF	S	293778.6	1247559.6	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	1.0	No
R1426	GF	E	293800.0	1247514.7	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1426	F 1	E	293800.0	1247514.7	Residential	65	53	48	50	53	49	50	52	48	50	54	49	52	54	50	52	0.9	No
R1427	GF	E	293793.8	1246263.6	Residential	65	52	48	50	53	49	50	53	48	51	54	49	52	54	49	52	1.1	No
R1428	GF	E	293787.8	1247141.5	Residential	65	55	51	53	55	52	52	54	51	52	56	52	54	56	52	54	0.8	No
R1429	GF	NE	293785.7	1246338.9	Residential	65	53	49	50	53	50	50	53	49	50	54	50	52	54	50	52	0.7	No
R1431	GF	S	293798.2	1247715.5	Residential	65	48	44	46	48	45	46	47	43	45	49	44	47	49	45	47	1.0	No
R1431	F 1	S	293798.2	1247715.5	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.9	No
R1431	F 2	S	293798.2	1247715.5	Residential	65	53	49	51	53	50	51	52	48	50	54	49	52	54	50	52	0.8	No
R1433	GF	SE	293790.2	1247158.6	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	56	52	53	0.5	No
R1434	GF	E	293798.5	1246543.9	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.9	No
R1434	F 1	E	293798.5	1246543.9	Residential	65	57	53	55	57	54	55	56	53	54	58	54	56	58	54	56	0.7	No
R1437	GF	E	293798.7	1247531.6	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R1437	F 1	E	293798.7	1247531.6	Residential	65	53	49	51	53	50	51	52	48	50	54	49	52	54	50	52	0.8	No
R1438	GF	N	293790.1	1247219.7	Residential	65	53	49	50	53	50	50	52	48	49	53	49	51	54	50	51	0.8	No
R1438	F 1	N	293790.1	1247219.7	Residential	65	54	51	52	55	52	52	54	50	51	55	51	53	56	52	53	0.8	No
R1439	GF	S	293819.7	1247732.2	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.0	No
R1439	F 1	S	293819.7	1247732.2	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1439	F 2	S	293819.7	1247732.2	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	54	49	52	0.9	No
R1441	GF	E	293799.5	1246463.1	Residential	65	55	51	52	55	52	52	54	51	52	56	52	53	56	52	53	0.5	No
R1445	GF	N	293816.0	1245936.3	Commercial	n/a	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.1	No
R1445	F 1	N	293816.0	1245936.3	Commercial	n/a	54	49	53	55	50	53	54	49	52	56	50	54	56	50	54	1.1	No
R1445	F 2	N	293816.0	1245936.3	Commercial	n/a	57	52	55	57	53	55	57	52	55	58	53	57	58	53	57	1.2	No
R1447	GF	E	293831.5	1247768.8	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	40	43	0.6	No
R1447	F 1	E	293831.5	1247768.8	Residential	65	47	43	44	47	44	45	46	42	44	48	43	46	48	44	46	0.8	No
R1448	GF	E	293795.5	1246293.8	Residential	65	53	48	51	53	49	51	53	48	50	54	49	52	54	49	52	1.0	No
R1450	GF	E	293798.1	1246276.9	Residential	65	53	49	51	53	50	51	53	49	51	54	50	52	54	50	52	1.0	No
R1451	GF	E	293801.0	1246527.4	Residential	65	52	48	50	53	49	50	52	48	50	53	49	51	54	49	51	0.8	No
R1452	GF	E	293804.0	1247566.7	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1453	GF	E	293799.5	1246561.2	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	54	50	52	0.7	No
R1455	GF	NE	293797.8	1246446.8	Residential	65	55	51	52	55	52	52	54	51	52	56	52	53	56	52	53	0.5	No
R1456	GF	E	293800.9	1247547.6	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R1457	GF	E	293836.9	1247794.9	Residential	65	42	38	40	42	39	39	42	38	40	43	39	41	43	39	41	1.1	No
R1457	F 1	E	293836.9	1247794.9	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R1459	GF	N	293798.4	1246384.6	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.9	No
R1461	GF	E	293811.4	1247633.1	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1461	F 1	E	293811.4	1247633.1	Residential	65	52	48	50	52	49	50	51	47	49	53	48	51	53	49	51	0.8	No
R1462	GF	E	293803.2	1247582.5	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	1.0	No
R1463	GF	E	293803.1	1246312.6	Residential	65	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	1.1	No
R1464	GF	E	293811.4	1247073.0	Active recreation	65	57	53	54	57	54	54	56	53	53	58	54	55	58	54	55	0.6	No
R1464	F 1	E	293811.4	1247073.0	Active recreation	65	57	54	55	58	55	55	57	53	54	58	54	56	58	55	56	0.5	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1465	GF	E	293810.3	1246497.9	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	55	51	53	0.7	No
R1466	GF	E	293825.1	1247814.5	Residential	65	42	38	39	42	39	39	41	37	39	43	38	40	43	39	41	1.0	No
R1466	F 1	E	293825.1	1247814.5	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.0	No
R1466	F 2	E	293825.1	1247814.5	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R1466	F 3	E	293825.1	1247814.5	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	1.0	No
R1469	GF	E	293804.0	1246478.1	Residential	65	55	51	53	55	52	53	55	51	52	56	52	54	56	52	54	0.6	No
R1471	GF	E	293805.1	1247597.7	Residential	65	49	45	47	49	46	47	48	44	46	50	46	48	50	46	48	0.9	No
R1471	F 1	E	293805.1	1247597.7	Residential	65	52	49	50	53	50	50	52	48	49	53	49	51	54	50	52	0.8	No
R1472	GF	NE	293806.5	1246432.1	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	55	52	53	0.4	No
R1473	GF	E	293827.5	1247831.4	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	44	39	41	1.0	No
R1473	F 1	E	293827.5	1247831.4	Residential	65	45	41	42	45	42	42	44	40	42	46	41	44	46	42	44	1.0	No
R1473	F 2	E	293827.5	1247831.4	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R1473	F 3	E	293827.5	1247831.4	Residential	65	50	46	48	50	47	48	49	45	47	51	46	49	51	47	49	0.9	No
R1474	GF	NE	293804.2	1246336.1	Residential	65	54	50	51	54	51	51	54	50	51	55	51	53	55	51	53	0.6	No
R1475	GF	E	293809.6	1247614.9	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	1.0	No
R1475	F 1	E	293809.6	1247614.9	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	54	50	51	0.8	No
R1479	GF	S	293803.4	1247193.7	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.5	No
R1479	F 1	S	293803.4	1247193.7	Residential	65	55	51	53	55	52	53	54	51	52	56	52	53	56	52	54	0.6	No
R1480	GF	E	293829.9	1247850.3	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R1480	F 1	E	293829.9	1247850.3	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R1480	F 2	E	293829.9	1247850.3	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R1480	F 3	E	293829.9	1247850.3	Residential	65	51	47	49	51	48	48	50	46	48	52	47	50	52	48	50	1.0	No
R1481	GF	E	293808.6	1246511.9	Residential	65	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	0.8	No
R1483	GF	E	293820.8	1247263.1	Residential	65	53	49	50	53	50	50	52	49	50	54	50	52	54	50	52	0.9	No
R1484	GF	E	293881.7	1247883.9	Industrial	n/a	46	42	43	46	43	43	45	41	43	46	42	44	47	43	45	1.1	No
R1485	GF	E	293819.4	1247292.8	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.9	No
R1487	GF	E	293813.3	1247308.9	Residential	65	50	46	47	50	47	47	49	45	46	50	46	48	51	47	49	0.9	No
R1490	GF	E	293851.5	1246620.8	Residential	65	60	57	58	61	58	58	60	57	57	61	58	59	61	58	59	0.3	No
R1490	F 1	E	293851.5	1246620.8	Residential	65	61	57	58	61	58	58	60	57	57	62	58	59	62	58	59	0.5	No
R1491	GF	E	293815.8	1246137.0	Residential	65	55	51	52	55	52	52	55	51	52	56	52	54	56	52	54	1.0	No
R1492	GF	E	293844.6	1246646.3	Residential	65	60	56	58	61	57	58	60	56	57	61	57	58	61	57	58	0.4	No
R1494	GF	E	293818.7	1247321.3	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1495	GF	S	293810.1	1246368.3	Residential	65	54	50	51	54	51	51	54	50	52	55	51	53	55	51	53	1.1	No
R1496	GF	E	293812.9	1246120.8	Residential	65	54	50	51	54	51	51	54	50	52	55	51	53	55	51	53	1.0	No
R1497	GF	E	293831.5	1247351.9	Residential	65	49	45	47	49	46	46	49	45	46	50	46	48	50	46	48	1.0	No
R1499	GF	N	293816.4	1247343.7	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R1503	GF	E	293823.3	1246180.7	Residential	65	57	53	55	57	54	55	57	53	54	58	54	56	58	54	56	0.8	No
R1505	GF	E	293823.6	1246150.5	Residential	65	57	53	55	58	54	55	57	53	55	58	54	56	58	54	56	0.9	No
R1506	GF	E	293821.6	1247368.6	Residential	65	49	45	46	49	46	47	48	45	46	50	46	48	50	46	48	0.9	No
R1506	F 1	E	293821.6	1247368.6	Residential	65	55	51	53	55	52	53	54	51	52	56	52	54	56	52	54	0.8	No
R1508	GF	E	293824.4	1246164.8	Residential	65	57	53	54	57	54	54	57	53	54	58	54	56	58	54	56	0.9	No
R1509	GF	SE	293820.4	1246094.2	Residential	65	56	52	53	56	53	53	56	52	53	57	53	55	57	53	55	1.1	No
R1510	GF	N	293820.6	1246427.5	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.5	No
R1512	GF	E	293828.1	1247383.6	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	0.9	No
R1512	F 1	E	293828.1	1247383.6	Residential	65	55	51	53	55	52	53	54	51	52	56	52	54	56	52	54	0.8	No
R1513	GF	E	293840.6	1247427.2	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	50	45	48	1.0	No
R1516	GF	E	293828.7	1247396.6	Residential	65	50	46	47	50	47	47	49	45	47	51	46	48	51	47	49	1.0	No
R1516	F 1	E	293828.7	1247396.6	Residential	65	55	51	52	55	52	52	54	50	52	56	51	53	56	52	54	0.8	No
R1517	GF	S	293818.9	1247200.3	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	54	50	52	0.6	No
R1517	F 1	S	293818.9	1247200.3	Residential	65	56	52	54	56	53	54	55	52	53	57	53	54	57	53	55	0.6	No
R1519	GF	E	293826.4	1246211.3	Residential	65	56	52	54	56	53	54	56	52	53	57	53	55	57	53	55	0.8	No
R1522	GF	E	293826.9	1246195.6	Residential	65	57	53	55	57	54	55	57	53	54	58	54	56	58	54	56	0.8	No
R1524	GF	E	293832.7	1247414.3	Residential	65	49	45	47	50	46	47	49	45	47	51	46	48	51	46	49	1.0	No
R1524	F 1	E	293832.7	1247414.3	Residential	65	55	51	52	55	51	52	54	50	52	56	51	53	56	52	54	0.9	No
R1526	GF	E	293831.8	1246226.7	Residential	65	55	51	53	55	52	53	55	51	53	56	52	55	56	52	55	1.1	No
R1528	GF	E	293831.5	1247445.3	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	1.1	No
R1528	F 1	E	293831.5	1247445.3	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	56	51	53	0.8	No
R1529	GF	E	293843.7	1247456.2	Residential	65	48	45	46	49	46	46	48	44	46	49	45	47	50	46	48	1.0	No
R1530	GF	NE	293832.7	1246380.7	Residential	65	57	53	54	57	54	54	56	53	53	57	54	55	57	54	55	0.4	No
R1532	GF	S	293825.8	1247314.3	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	0.9	No
R1533	GF	E	293838.7	1247492.2	Residential	65	49	45	46	49	46	46	48	44	46	50	45	47	50	46	48	1.0	No
R1535	GF	E	293836.2	1246259.6	Residential	65	55	51	53	55	52	53	55	51	53	56	52	54	56	52	54	1.0	No
R1536	GF	E	293840.4	1246241.7	Residential	65	55	51	53	56	52	53	55	51	53	57	52	55	57	52	55	1.1	No
R1538	GF	E	293835.7	1247508.2	Residential	65	48	44	45	48	45	46	47	43	45	49	44	47	49	45	47	0.9	No
R1540	GF	E	293856.7	1246286.5	Residential	65	58	54	55	58	55	55	58	54	55	59	55	57	59	55	57	1.0	No
R1540	F 1	E	293856.7	1246286.5	Residential	65	62	58	60	62	59	60	62	58	60	63	59	61	63	59	61	1.1	No
R1540	F 2	E	293856.7	1246286.5	Residential	65	64	60	62	65	61	62	64	60	62	66	61	64	66	61	64	1.2	No
R1540	F 3	E	293856.7	1246286.5	Residential	65	64	60	62	65	61	62	64	60	62	66	61	64	66	61	64	1.2	No
R1541	GF	E	293834.4	1247335.7	Residential	65	50	46	47	50	47	47	49	46	47	51	47	49	51	47	49	1.0	No
R1542	GF	E	293845.1	1247524.5	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R1542	F 1	E	293845.1	1247524.5	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	49	51	0.8	No
R1543	GF	E	293842.3	1246590.3	Residential	65	59	55	57	60	57	57	59	55	56	60	57	57	60	57	57	0.4	No
R1544	GF	E	293839.5	1247200.5	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	54	50	52	0.5	No
R1544	F 1	E	293839.5	1247200.5	Residential	65	56	52	54	57	53	54	55	52	53	57	53	54	57	53	55	0.6	No
R1545	GF	SW	293832.9	1246413.0	Residential	65	54	50	51	54	51	51	54	50	51	55	51	53	55	51	53	0.7	No
R1546	GF	E	293840.6	1247540.3	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	1.0	No
R1546	F 1	E	293840.6	1247540.3	Residential	65	53	50	51	54	51	51	53	49	50	54	50	52	55	51	53	0.8	No
R1547	GF	E	293841.7	1246270.4	Residential	65	56	52	54	57	53	54	56	52	54	58	53	56	58	53	56	1.0	No
R1548	GF	S	293839.6	1247714.7	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	48	0.9	No
R1548	F 1	S	293839.6	1247714.7	Residential	65	52	48	49	52	49	50	51	47	49	53	48	50	53	49	51	0.7	No
R1550	GF	E	293844.9	1247557.3	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	1.0	No
R1551	GF	E	293845.6	1246573.5	Residential	65	59	55	56	59	56	56	58	55	55	60	56	57	60	56	57	0.4	No
R1552	GF	S	293843.6	1247131.3	Active recreation	65	56	53	54	57	54	54	56	53	53	57	54	55	57	54	55	0.6	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1553	GF	S	293839.1	1247342.5	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	1.0	No
R1554	GF	E	293849.6	1247592.7	Residential	65	49	45	47	49	46	47	48	44	46	50	45	48	50	46	48	1.0	No
R1555	GF	S	293844.4	1247571.8	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	1.0	No
R1555	F 1	S	293844.4	1247571.8	Residential	65	54	50	51	54	51	51	53	49	51	55	50	52	55	51	53	0.8	No
R1556	GF	N	293843.4	1246374.6	Residential	65	56	52	54	56	53	53	55	52	53	57	53	54	57	53	54	0.5	No
R1557	GF	S	293843.0	1246106.1	Residential	65	56	52	54	57	53	54	56	52	54	58	53	56	58	53	56	1.0	No
R1559	GF	S	293847.7	1247600.1	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	50	45	48	0.9	No
R1560	GF	E	293850.0	1246559.1	Residential	65	58	55	56	59	56	56	58	55	55	59	56	56	59	56	57	0.5	No
R1562	GF	E	293852.6	1247626.1	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	1.0	No
R1563	GF	E	293887.1	1247766.9	Residential	65	49	45	46	49	46	46	48	44	46	50	45	48	50	46	48	0.8	No
R1563	F 1	E	293887.1	1247766.9	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.9	No
R1563	F 2	E	293887.1	1247766.9	Residential	65	54	50	52	55	51	52	53	50	51	55	51	53	56	51	53	0.9	No
R1563	F 3	E	293887.1	1247766.9	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	57	53	54	0.8	No
R1565	GF	E	293854.0	1246542.3	Residential	65	57	53	55	58	54	55	57	53	54	58	54	55	58	54	56	0.5	No
R1566	GF	E	293857.7	1247640.0	Residential	65	47	43	44	47	44	44	46	43	44	48	43	46	48	44	46	1.0	No
R1567	GF	E	293854.4	1246531.0	Residential	65	56	53	54	57	54	54	56	53	53	57	54	55	57	54	55	0.5	No
R1568	GF	E	293886.2	1247784.8	Residential	65	48	44	46	49	45	46	48	44	45	49	45	47	49	45	47	0.7	No
R1568	F 1	E	293886.2	1247784.8	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	50	0.8	No
R1568	F 2	E	293886.2	1247784.8	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	52	0.7	No
R1569	GF	E	293883.8	1247728.7	Residential	65	49	45	47	50	46	47	48	44	46	50	45	48	51	46	48	1.0	No
R1569	F 1	E	293883.8	1247728.7	Residential	65	52	48	49	52	49	49	51	47	49	52	48	50	53	49	51	0.9	No
R1569	F 2	E	293883.8	1247728.7	Residential	65	55	51	53	55	52	53	54	50	52	56	51	54	56	52	54	0.9	No
R1569	F 3	E	293883.8	1247728.7	Residential	65	56	52	54	56	53	54	55	51	53	57	52	55	57	53	55	0.9	No
R1570	GF	S	293848.4	1247411.7	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	46	0.9	No
R1571	GF	E	293855.6	1247285.8	Residential	65	52	48	50	52	49	50	52	48	49	53	49	51	53	49	51	0.9	No
R1571	F 1	E	293855.6	1247285.8	Residential	65	57	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.6	No
R1572	GF	S	293851.5	1247197.6	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.5	No
R1574	GF	N	293853.8	1246425.6	Residential	65	56	52	53	56	53	54	55	52	52	57	53	54	57	53	54	0.3	No
R1575	GF	N	293849.3	1247859.6	Residential	65	43	39	40	43	40	40	42	38	40	44	39	41	44	40	42	1.0	No
R1576	GF	E	293855.5	1246509.9	Residential	65	54	50	51	54	51	51	54	50	51	55	51	53	55	51	53	0.7	No
R1577	GF	E	293856.3	1247657.0	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R1577	F 1	E	293856.3	1247657.0	Residential	65	54	50	51	54	51	51	53	49	51	54	50	52	55	51	53	0.9	No
R1578	GF	E	293857.8	1247301.3	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	55	50	52	0.8	No
R1580	GF	E	293859.0	1247316.3	Residential	65	53	50	51	54	50	51	53	49	51	54	50	52	55	51	53	0.9	No
R1581	GF	E	293870.9	1247376.7	Residential	65	53	49	51	53	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1582	GF	S	293854.9	1246484.7	Residential	65	54	49	51	54	50	51	53	49	51	55	50	52	55	50	52	0.6	No
R1583	GF	E	293870.1	1247676.2	Residential	65	49	45	47	49	46	46	48	44	46	50	45	48	50	46	48	1.1	No
R1583	F 1	E	293870.1	1247676.2	Residential	65	54	50	52	55	51	52	53	50	51	55	51	53	55	51	53	0.8	No
R1585	GF	S	293851.6	1247433.1	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	0.9	No
R1587	GF	E	293860.5	1247332.0	Residential	65	54	50	51	54	51	51	53	49	51	55	50	52	55	51	53	0.8	No
R1591	GF	E	293865.2	1246367.0	Residential	65	58	54	55	58	55	55	58	54	56	59	55	57	60	55	58	1.4	No
R1592	GF	E	293885.7	1247803.6	Residential	65	48	44	45	48	45	46	47	44	45	49	45	47	49	45	47	0.8	No
R1592	F 1	E	293885.7	1247803.6	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	52	48	50	1.0	No
R1592	F 2	E	293885.7	1247803.6	Residential	65	53	49	51	53	50	51	52	48	50	53	49	51	54	50	52	0.8	No
R1592	F 3	E	293885.7	1247803.6	Residential	65	54	51	52	55	52	52	54	50	51	55	51	53	56	52	54	0.8	No
R1593	GF	E	293885.5	1247748.1	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	51	47	49	0.8	No
R1593	F 1	E	293885.5	1247748.1	Residential	65	52	48	50	52	49	50	51	47	49	53	48	51	53	49	51	0.9	No
R1593	F 2	E	293885.5	1247748.1	Residential	65	55	51	52	55	52	52	54	50	52	55	51	53	56	52	54	0.9	No
R1593	F 3	E	293885.5	1247748.1	Residential	65	56	52	54	56	53	53	55	51	53	56	52	54	57	53	55	0.9	No
R1594	GF	NE	293863.3	1246128.1	Residential	65	63	60	61	64	61	61	63	60	61	65	61	62	65	61	62	0.8	No
R1595	GF	E	293870.9	1246140.2	Residential	65	66	62	63	66	63	63	65	62	63	67	63	64	67	63	64	0.8	No
R1596	GF	E	293872.2	1247390.9	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	49	51	0.8	No
R1596	F 1	E	293872.2	1247390.9	Residential	65	57	53	54	57	54	54	56	52	54	57	53	55	58	54	56	0.8	No
R1598	GF	E	293866.3	1247361.4	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	54	50	52	0.8	No
R1598	F 1	E	293866.3	1247361.4	Residential	65	57	53	55	57	54	55	56	53	54	58	54	55	58	54	56	0.7	No
R1599	GF	E	293866.8	1247346.3	Residential	65	54	50	52	54	51	51	53	50	51	55	51	52	55	51	53	0.8	No
R1601	GF	S	293861.1	1246466.8	Residential	65	54	50	52	54	51	52	54	50	51	55	51	53	55	51	53	0.7	No
R1602	GF	E	293888.6	1247820.6	Residential	65	48	44	45	48	45	45	47	43	45	49	44	47	49	45	47	0.9	No
R1602	F 1	E	293888.6	1247820.6	Residential	65	51	47	48	51	48	48	50	46	48	52	47	49	52	48	50	0.9	No
R1602	F 2	E	293888.6	1247820.6	Residential	65	53	49	51	53	50	51	52	48	50	54	49	52	54	50	52	0.9	No
R1602	F 3	E	293888.6	1247820.6	Residential	65	55	51	52	55	52	52	54	50	52	55	51	53	56	52	54	0.9	No
R1603	GF	S	293862.6	1247631.4	Residential	65	48	44	46	48	45	46	47	43	45	49	44	47	49	45	47	1.0	No
R1604	GF	E	293870.8	1247406.8	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.8	No
R1605	GF	S	293866.1	1247708.0	Residential	65	50	46	48	51	47	48	50	46	47	51	47	49	52	48	50	0.9	No
R1605	F 1	S	293866.1	1247708.0	Residential	65	53	50	51	54	51	51	53	49	50	54	50	52	55	51	52	0.7	No
R1607	GF	E	293876.6	1246252.9	Residential	65	56	53	54	57	54	54	56	53	54	58	54	56	58	54	56	0.9	No
R1609	GF	E	293878.8	1247452.0	Residential	65	52	48	49	52	49	49	51	47	49	53	48	51	53	49	51	0.8	No
R1611	GF	E	293887.1	1247522.7	Residential	65	53	49	51	53	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1611	F 1	E	293887.1	1247522.7	Residential	65	56	52	54	56	53	54	55	52	53	57	53	55	57	53	55	0.8	No
R1612	GF	E	293870.6	1246157.9	Residential	65	65	62	63	66	63	63	65	62	62	66	63	64	66	63	64	0.7	No
R1613	GF	E	293876.6	1247436.8	Residential	65	52	48	50	52	49	50	51	47	49	53	48	51	53	49	51	0.9	No
R1614	GF	E	293884.5	1247502.9	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.8	No
R1614	F 1	E	293884.5	1247502.9	Residential	65	56	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.8	No
R1615	GF	E	293888.9	1247534.6	Residential	65	53	49	51	53	50	51	52	48	50	54	49	51	54	50	52	0.8	No
R1616	GF	E	293881.5	1246216.6	Residential	65	66	63	63	67	64	63	66	63	63	67	64	65	67	64	65	0.6	No
R1621	GF	E	293874.9	1247421.9	Residential	65	52	48	50	52	49	50	51	48	49	53	49	51	53	49	51	0.8	No
R1621	F 1	E	293874.9	1247421.9	Residential	65	57	53	55	57	54	54	56	52	54	58	53	55	58	54	56	0.8	No
R1622	GF	E	293889.2	1247835.6	Residential	65	49	45	47	50	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R1622	F 1	E	293889.2	1247835.6	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.9	No
R1622	F 2	E	293889.2	1247835.6	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	55	50	52	0.9	No
R1623	GF	SE	293876.8	1246183.8	Residential	65	66	62	63	66	63	63	66	62	63	67	63	65	67	63	65	0.6	No
R1624	GF	E	293874.5	1246203.5	Residential	65	65	62	63	66	63	63	65	62	62	66	63	64	66	63	64	0.5	No
R1625	GF	E	293878.3	1247486.0	Residential	65	52	48	50	52	49	50	51	47	49	53	48	51	53	49	51	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1626	GF	N	293872.5	1246423.7	Residential	65	58	54	55	58	55	55	57	54	54	59	55	56	59	55	56	0.2	No
R1627	GF	S	293869.1	1247195.9	Residential	65	54	50	51	54	51	51	53	50	50	55	51	52	55	51	52	0.4	No
R1627	F 1	S	293869.1	1247195.9	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	56	52	53	0.5	No
R1628	GF	E	293876.1	1246169.2	Residential	65	66	62	63	66	63	63	66	62	63	67	63	65	67	63	65	0.7	No
R1631	GF	E	293882.5	1246365.9	Residential	65	61	58	58	62	59	58	61	58	57	62	59	59	62	59	59	0.4	No
R1633	GF	N	293876.7	1246325.3	Residential	65	60	57	57	61	58	57	60	57	56	61	58	58	61	58	58	0.4	No
R1634	GF	E	293891.8	1247853.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R1634	F 1	E	293891.8	1247853.6	Residential	65	50	46	47	50	47	47	49	45	47	51	46	49	51	47	49	0.9	No
R1637	GF	E	293894.3	1247615.9	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.9	No
R1637	F 1	E	293894.3	1247615.9	Residential	65	55	51	52	55	52	52	54	50	52	55	51	53	56	52	54	0.8	No
R1637	F 2	E	293894.3	1247615.9	Residential	65	57	53	55	57	54	55	56	53	54	58	54	56	58	54	56	0.8	No
R1640	GF	E	293894.5	1247603.0	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	51	0.9	No
R1640	F 1	E	293894.5	1247603.0	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	57	52	54	0.8	No
R1640	F 2	E	293894.5	1247603.0	Residential	65	57	53	55	57	54	55	56	53	54	58	54	55	58	54	56	0.8	No
R1641	GF	E	293906.2	1246453.7	Educational institute	55	64	60	61	64	61	61	63	60	60	64	61	62	64	61	62	0.3	No
R1641	F 1	E	293906.2	1246453.7	Educational institute	55	65	62	63	66	63	63	65	62	62	66	63	64	66	63	64	0.6	No
R1642	GF	E	293883.1	1246232.3	Residential	65	66	62	63	66	63	63	65	62	63	67	63	64	67	63	64	0.7	No
R1643	GF	E	293885.2	1247568.2	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	51	0.9	No
R1644	GF	E	293887.1	1247552.1	Residential	65	52	49	50	53	50	50	52	48	49	53	49	51	54	50	52	0.9	No
R1646	GF	E	293892.5	1247867.5	Residential	65	48	44	46	49	45	46	48	44	46	49	45	47	49	45	47	0.9	No
R1647	GF	E	293889.5	1247199.4	Residential	65	55	51	52	55	52	52	54	51	51	55	52	53	56	52	53	0.6	No
R1647	F 1	E	293889.5	1247199.4	Residential	65	57	53	54	57	54	54	56	53	53	57	54	55	58	54	55	0.6	No
R1649	GF	S	293886.4	1246479.6	Educational institute	55	56	52	54	57	53	54	56	52	54	58	53	56	58	53	56	0.7	No
R1649	F 1	S	293886.4	1246479.6	Educational institute	55	61	57	59	62	58	59	61	57	58	62	58	60	62	58	60	0.6	No
R1649	F 2	S	293886.4	1246479.6	Educational institute	55	62	58	60	63	60	60	62	58	60	64	60	61	64	60	61	0.8	No
R1650	GF	S	293881.5	1247706.0	Residential	65	52	48	49	52	49	49	51	47	49	52	48	50	53	49	51	0.9	No
R1650	F 1	S	293881.5	1247706.0	Residential	65	54	50	52	55	51	52	53	50	51	55	51	53	56	52	53	0.8	No
R1652	GF	E	293890.4	1247585.4	Residential	65	51	47	49	51	48	49	50	47	48	52	48	50	52	48	50	0.9	No
R1652	F 1	E	293890.4	1247585.4	Residential	65	56	52	54	56	53	54	55	51	53	57	52	54	57	53	55	0.7	No
R1653	GF	E	293892.4	1246258.7	Residential	65	67	63	64	67	64	64	67	63	64	68	64	66	68	64	66	0.9	No
R1655	GF	E	293890.0	1246246.5	Residential	65	67	63	64	67	64	64	66	63	64	68	64	65	68	64	65	0.8	No
R1656	GF	E	293890.3	1246275.6	Residential	65	66	63	63	67	64	63	66	63	64	68	64	65	68	64	65	0.9	No
R1657	GF	NE	293888.9	1246421.0	Residential	65	61	57	58	61	58	58	60	57	57	62	58	59	62	58	59	0.2	No
R1662	GF	E	293894.7	1247635.4	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	51	1.0	No
R1662	F 1	E	293894.7	1247635.4	Residential	65	55	51	53	55	52	53	54	50	52	56	52	53	56	52	54	0.8	No
R1663	GF	N	293890.3	1246364.6	Residential	65	61	58	59	62	59	59	61	58	58	62	59	60	62	59	60	0.4	No
R1669	GF	E	293899.1	1247668.5	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	53	48	50	0.9	No
R1671	GF	E	293898.4	1246297.8	Residential	65	67	63	64	67	64	64	67	63	64	68	64	66	68	64	66	1.1	No
R1672	GF	E	293899.5	1246312.9	Residential	65	66	63	63	67	64	63	66	63	64	68	64	65	68	64	65	1.1	No
R1673	GF	E	293929.3	1246550.4	Educational institute	55	65	62	62	66	63	62	65	62	61	66	63	63	66	63	63	0.3	No
R1673	F 1	E	293929.3	1246550.4	Educational institute	55	66	62	63	66	63	63	65	62	62	67	63	64	67	63	64	0.5	No
R1675	GF	E	293897.6	1247650.8	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	1.0	No
R1679	GF	S	293896.4	1247231.2	Residential	65	54	50	51	54	51	51	54	50	51	55	51	53	55	51	53	1.0	No
R1681	GF	E	293902.5	1247255.1	Residential	65	51	48	49	52	49	49	51	47	49	52	48	50	53	49	51	1.0	No
R1682	GF	E	293902.6	1247274.6	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.9	No
R1682	F 1	E	293902.6	1247274.6	Residential	65	58	54	55	58	55	55	57	54	54	58	55	56	59	55	57	0.7	No
R1683	GF	S	293908.6	1246492.0	Educational institute	55	59	55	57	59	56	57	58	55	56	60	56	58	60	56	58	0.8	No
R1683	F 1	S	293908.6	1246492.0	Educational institute	55	64	61	62	65	62	62	64	61	61	65	62	63	65	62	63	0.7	No
R1685	GF	E	293909.1	1247290.1	Residential	65	53	49	50	53	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1685	F 1	E	293909.1	1247290.1	Residential	65	58	54	56	58	55	55	57	54	55	59	55	56	59	55	57	0.7	No
R1686	GF	E	293912.9	1246390.9	Residential	65	67	63	64	67	64	64	66	63	63	67	64	65	67	64	65	0.4	No
R1687	GF	E	293918.5	1247305.8	Residential	65	53	49	50	53	50	50	52	48	49	53	49	51	54	50	52	0.9	No
R1691	GF	E	293918.6	1247320.2	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	53	0.9	No
R1692	GF	E	293922.6	1247333.6	Residential	65	53	49	50	53	50	51	52	49	50	54	50	52	54	50	52	0.9	No
R1693	GF	E	293914.0	1246359.8	Residential	65	67	64	64	67	65	64	67	64	64	68	65	65	68	65	65	0.6	No
R1695	GF	E	293922.0	1247349.5	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	56	51	53	1.0	No
R1695	F 1	E	293922.0	1247349.5	Residential	65	59	56	57	60	57	57	59	55	56	60	56	58	60	57	58	0.7	No
R1698	GF	E	293914.9	1247364.1	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	55	51	52	0.9	No
R1698	F 1	E	293914.9	1247364.1	Residential	65	58	54	56	59	55	56	57	54	55	59	55	56	59	55	57	0.7	No
R1703	GF	E	293918.8	1247379.2	Residential	65	56	52	54	56	53	54	55	52	53	57	53	55	57	53	55	0.8	No
R1705	GF	E	293939.4	1246480.5	Educational institute	55	68	64	65	68	65	65	67	64	64	68	65	65	68	65	65	0.3	No
R1706	GF	E	293916.3	1247395.8	Residential	65	56	52	53	56	53	54	55	52	53	57	53	54	57	53	55	0.7	No
R1707	GF	E	293916.9	1246407.1	Residential	65	67	63	64	67	64	64	66	63	63	68	64	65	68	64	65	0.4	No
R1711	GF	E	293919.9	1247410.5	Residential	65	56	52	53	56	53	53	55	51	52	56	52	54	57	53	55	0.8	No
R1711	F 1	E	293919.9	1247410.5	Residential	65	59	55	57	60	56	57	58	55	56	60	56	57	60	57	58	0.6	No
R1712	GF	S	293918.6	1247151.9	Industrial	n/a	55	51	52	55	52	52	54	51	51	56	52	53	56	52	53	0.5	No
R1712	F 1	S	293918.6	1247151.9	Industrial	n/a	55	51	53	56	52	53	55	51	52	56	52	54	56	52	54	0.5	No
R1713	GF	E	293923.7	1247441.9	Residential	65	55	51	52	55	52	52	54	50	52	55	51	53	56	52	54	0.8	No
R1713	F 1	E	293923.7	1247441.9	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	60	56	57	0.7	No
R1714	GF	E	293924.2	1247427.4	Residential	65	55	51	52	55	52	52	54	50	52	56	51	53	56	52	54	0.8	No
R1714	F 1	E	293924.2	1247427.4	Residential	65	59	55	56	59	56	56	58	54	55	59	55	57	60	56	57	0.6	No
R1716	GF	S	293918.3	1247702.9	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	54	49	51	0.9	No
R1716	F 1	S	293918.3	1247702.9	Residential	65	55	51	53	55	52	52	54	50	52	56	51	53	56	52	54	0.9	No
R1717	GF	E	293923.8	1247456.5	Residential	65	53	49	51	53	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1717	F 1	E	293923.8	1247456.5	Residential	65	58	54	56	59	56	56	58	54	55	59	55	57	59	56	57	0.7	No
R1721	GF	E	293928.9	1247470.0	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	55	50	52	1.0	No
R1721	F 1	E	293928.9	1247470.0	Residential	65	58	54	56	59	55	56	57	54	55	59	55	57	59	55	57	0.7	No
R1724	GF	W	293914.7	1247743.8	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	0.9	No
R1724	F 1	W	293914.7	1247743.8	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.8	No
R1728	GF	W	293915.1	1247725.4	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R1728	F 1	W	293915.1	1247725.4	Residential	65	46	43	44	47	44	44	46	42	44	47	43	45	48	44	45	0.8	No
R1729	GF	E	293927.6	1247488.3	Residential	65	55	51	52	55	52	52	54	50	52	56	51	53	56	52	54	0.8	No
R1732	GF	E	293939.6	1247503.4	Residential	65	55	52	53	56	53	53	55	51	52	56	52	54	57	53	54	0.7	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1733	GF	E	293948.8	1247758.6	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	47	42	45	1.0	No
R1733	F 1	E	293948.8	1247758.6	Residential	65	49	46	47	50	47	47	49	45	47	51	46	49	51	47	49	1.1	No
R1733	F 2	E	293948.8	1247758.6	Residential	65	55	51	53	55	52	53	54	50	52	56	51	54	56	52	54	1.0	No
R1734	GF	E	293948.7	1247794.0	Residential	65	47	43	45	48	44	45	47	43	44	48	44	46	49	44	47	1.0	No
R1734	F 1	E	293948.7	1247794.0	Residential	65	51	47	48	51	48	48	50	46	48	51	47	49	52	48	50	1.1	No
R1734	F 2	E	293948.7	1247794.0	Residential	65	54	50	51	54	51	51	53	49	51	54	50	52	55	51	53	1.0	No
R1734	F 3	E	293948.7	1247794.0	Residential	65	56	52	54	56	53	54	55	51	53	57	52	54	57	53	55	0.9	No
R1735	GF	S	293932.5	1247534.5	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	53	0.7	No
R1735	F 1	S	293932.5	1247534.5	Residential	65	57	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.7	No
R1736	GF	E	293966.5	1247810.1	Residential	65	51	47	48	51	48	48	50	46	47	51	47	49	52	48	49	0.7	No
R1736	F 1	E	293966.5	1247810.1	Residential	65	52	48	50	52	49	50	51	48	49	53	49	51	53	49	51	0.8	No
R1737	GF	E	293950.6	1247776.3	Residential	65	47	43	45	47	44	45	46	42	44	48	43	46	48	44	46	1.1	No
R1737	F 1	E	293950.6	1247776.3	Residential	65	51	46	48	51	47	48	50	46	48	52	47	50	52	48	50	1.1	No
R1737	F 2	E	293950.6	1247776.3	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	56	51	53	0.9	No
R1739	GF	E	293936.6	1246517.2	Educational institute	55	67	63	64	67	64	64	66	63	63	67	64	64	67	64	64	0.3	No
R1739	F 1	E	293936.6	1246517.2	Educational institute	55	67	63	64	67	64	64	67	63	64	68	64	66	68	64	66	0.7	No
R1740	GF	E	293933.0	1247560.5	Residential	65	52	48	50	52	49	50	51	48	49	53	49	51	53	49	51	0.9	No
R1742	GF	E	293963.9	1247832.2	Residential	65	48	44	45	48	45	45	47	43	45	49	44	46	49	45	47	1.0	No
R1742	F 1	E	293963.9	1247832.2	Residential	65	50	46	48	51	47	48	50	46	48	51	47	49	52	47	50	1.1	No
R1742	F 2	E	293963.9	1247832.2	Residential	65	53	49	51	54	50	51	53	49	51	54	50	52	55	50	53	1.1	No
R1742	F 3	E	293963.9	1247832.2	Residential	65	55	51	52	55	52	53	54	50	52	56	51	54	56	52	54	1.0	No
R1743	GF	E	293936.1	1247576.4	Residential	65	53	49	51	54	50	51	52	49	50	54	50	52	54	50	52	0.8	No
R1749	GF	W	293927.0	1245949.1	Residential	65	68	62	67	69	63	67	68	62	67	70	63	69	70	63	69	1.4	No
R1749	F 1	W	293927.0	1245949.1	Residential	65	69	63	67	69	64	67	69	63	67	70	64	69	70	64	69	1.2	No
R1750	GF	S	293934.8	1247700.0	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.9	No
R1750	F 1	S	293934.8	1247700.0	Residential	65	55	51	53	55	52	52	54	50	52	56	51	53	56	52	54	0.9	No
R1753	GF	E	293940.3	1247722.5	Residential	65	44	40	41	44	41	41	43	39	41	45	40	43	45	41	43	1.1	No
R1753	F 1	E	293940.3	1247722.5	Residential	65	48	44	45	48	45	45	47	43	45	48	44	46	49	45	47	1.0	No
R1755	GF	E	293942.8	1247610.3	Residential	65	50	47	48	51	48	48	50	46	47	51	47	49	52	48	50	1.1	No
R1756	GF	S	293934.3	1247452.5	Residential	65	54	50	51	54	51	51	53	49	51	55	50	52	55	51	53	0.9	No
R1757	GF	E	293960.2	1247852.3	Residential	65	47	43	45	47	44	45	46	42	44	48	43	46	48	44	46	1.1	No
R1757	F 1	E	293960.2	1247852.3	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.1	No
R1757	F 2	E	293960.2	1247852.3	Residential	65	51	47	49	52	48	49	51	47	49	52	48	51	53	48	51	1.3	No
R1757	F 3	E	293960.2	1247852.3	Residential	65	54	50	52	55	51	52	54	49	52	55	50	53	56	51	54	1.3	No
R1758	GF	S	293937.6	1247585.2	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.9	No
R1758	F 1	S	293937.6	1247585.2	Residential	65	56	52	54	57	53	54	55	52	53	57	53	55	57	53	55	0.6	No
R1759	GF	E	293941.3	1247739.7	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.1	No
R1759	F 1	E	293941.3	1247739.7	Residential	65	50	46	47	50	47	47	49	45	47	50	46	48	51	47	49	1.1	No
R1760	GF	E	293940.2	1247627.1	Residential	65	51	47	49	51	48	49	50	46	48	52	47	50	52	48	50	1.0	No
R1762	GF	E	293956.9	1247255.7	Residential	65	56	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.8	No
R1763	GF	W	293930.3	1245974.4	Residential	65	68	62	67	69	63	67	68	62	67	70	63	69	70	63	69	1.3	No
R1764	GF	E	293955.8	1247231.0	Residential	65	57	54	55	58	55	55	57	54	54	58	55	56	59	55	56	0.8	No
R1764	F 1	E	293955.8	1247231.0	Residential	65	61	57	58	61	58	58	60	57	57	62	58	59	62	58	59	0.6	No
R1766	GF	E	293945.3	1247643.8	Residential	65	52	48	50	53	49	50	51	47	49	53	48	51	54	49	51	0.9	No
R1767	GF	W	293931.7	1246142.7	Industrial	n/a	74	68	72	74	69	72	74	68	72	75	69	74	75	69	74	1.3	No
R1767	F 1	W	293931.7	1246142.7	Industrial	n/a	73	68	72	74	69	72	73	68	72	75	69	74	75	69	74	1.2	No
R1768	GF	W	293931.7	1245986.8	Residential	65	68	62	67	69	63	67	68	62	67	70	63	69	70	63	69	1.3	No
R1768	F 1	W	293931.7	1245986.8	Residential	65	69	63	67	69	64	67	69	63	67	70	64	69	70	64	69	1.3	No
R1769	GF	S	293937.4	1247321.7	Residential	65	52	48	49	52	49	49	51	47	49	53	48	50	53	49	51	0.8	No
R1773	GF	NW	293933.5	1246012.6	Residential	65	68	62	67	69	63	67	68	62	67	70	63	69	70	63	69	1.4	No
R1774	GF	E	293945.7	1247662.5	Residential	65	53	49	51	53	50	51	52	48	50	54	49	52	54	50	52	1.0	No
R1776	GF	NW	293934.6	1245998.2	Residential	65	68	62	67	68	63	67	68	62	67	70	63	69	70	63	69	1.3	No
R1779	GF	W	293936.1	1246177.5	Industrial	n/a	74	68	73	75	69	73	74	68	73	76	69	75	76	69	75	1.3	No
R1779	F 1	W	293936.1	1246177.5	Industrial	n/a	74	68	73	75	69	73	74	68	73	76	69	75	76	69	75	1.2	No
R1784	GF	N	293945.0	1247902.5	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R1784	F 1	N	293945.0	1247902.5	Residential	65	47	43	45	48	44	45	47	42	45	48	43	47	49	45	48	1.5	No
R1789	GF	E	294006.9	1247138.1	Commercial	n/a	63	60	60	64	61	60	63	60	60	64	61	62	65	61	62	1.0	No
R1789	F 1	E	294006.9	1247138.1	Commercial	n/a	64	61	61	65	62	61	64	61	61	65	62	62	65	62	63	0.7	No
R1789	F 2	E	294006.9	1247138.1	Commercial	n/a	64	61	62	65	62	62	64	61	61	65	62	62	65	62	63	0.5	No
R1790	GF	E	293961.8	1247288.0	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	57	52	54	0.8	No
R1790	F 1	E	293961.8	1247288.0	Residential	65	61	57	58	61	58	58	60	56	57	61	57	59	62	58	59	0.7	No
R1792	GF	S	293944.2	1245941.4	Residential	65	61	55	60	61	56	60	61	55	60	63	56	62	63	56	62	1.3	No
R1792	F 1	S	293944.2	1245941.4	Residential	65	62	57	60	62	58	60	62	57	60	64	58	62	64	58	62	1.2	No
R1794	GF	N	293953.9	1247494.5	Residential	65	54	50	51	54	51	51	53	49	51	54	50	52	55	51	53	0.8	No
R1795	GF	E	293959.3	1247270.7	Residential	65	56	52	53	56	53	53	55	52	53	57	53	55	57	53	55	0.9	No
R1795	F 1	E	293959.3	1247270.7	Residential	65	61	57	58	61	58	58	60	57	57	61	58	59	62	58	59	0.6	No
R1798	GF	S	293954.4	1247696.9	Residential	65	52	48	50	53	49	50	52	48	49	53	49	51	53	49	51	0.9	No
R1798	F 1	S	293954.4	1247696.9	Residential	65	55	51	52	55	52	53	54	50	52	56	51	54	56	52	54	0.8	No
R1801	GF	N	293956.3	1247486.0	Residential	65	53	49	50	53	50	50	52	48	50	53	49	51	54	50	52	0.9	No
R1803	GF	E	293962.7	1247307.9	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	56	52	54	0.8	No
R1808	GF	E	293968.2	1247340.0	Residential	65	56	52	54	57	53	54	56	52	53	57	53	55	58	53	55	0.8	No
R1808	F 1	E	293968.2	1247340.0	Residential	65	61	57	58	61	58	59	60	57	57	61	58	59	62	58	60	0.6	No
R1809	GF	S	293952.9	1247529.7	Residential	65	54	50	52	55	51	52	53	50	51	55	51	53	55	51	53	0.7	No
R1810	GF	E	293968.9	1247354.6	Residential	65	57	54	55	58	55	55	57	53	54	58	54	56	59	55	56	0.7	No
R1810	F 1	E	293968.9	1247354.6	Residential	65	61	58	59	62	59	59	60	57	58	62	58	59	62	59	60	0.6	No
R1813	GF	E	293965.3	1247322.9	Residential	65	55	52	53	56	53	53	55	51	52	56	52	54	57	53	55	0.9	No
R1814	GF	W	293950.8	1246208.0	Industrial	n/a	70	65	69	71	66	69	70	65	69	72	66	70	72	66	70	1.2	No
R1814	F 1	W	293950.8	1246208.0	Industrial	n/a	70	65	69	71	66	69	70	65	69	72	66	70	72	66	70	1.2	No
R1815	GF	E	293964.3	1247718.5	Residential	65	46	43	44	47	44	44	46	42	44	48	43	46	48	44	46	1.0	No
R1815	F 1	E	293964.3	1247718.5	Residential	65	51	47	49	52	48	49	51	47	49	52	48	50	53	48	51	1.1	No
R1816	GF	NW	293951.3	1246025.0	Residential	65	64	58	63	64	59	63	64	58	63	66	59	65	66	59	65	1.4	No
R1816	F 1	NW	293951.3	1246025.0	Residential	65	66	61	64	66	62	64	66	61	64	67	62	66	67	62	66	1.2	No
R1818	GF	E	293965.1	1247736.3	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.1	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1818	F 1	E	293965.1	1247736.3	Residential	65	51	47	49	52	48	49	51	47	49	53	48	51	53	49	51	1.1	No
R1819	GF	S	293957.9	1245943.0	Residential	65	59	53	58	59	54	58	59	53	58	61	54	59	61	54	59	1.2	No
R1819	F 1	S	293957.9	1245943.0	Residential	65	60	55	58	60	56	58	60	55	58	62	56	60	62	56	60	1.2	No
R1820	GF	S	293960.3	1247541.2	Residential	65	51	47	49	52	48	49	51	47	48	52	48	50	52	48	50	0.9	No
R1821	GF	E	293971.2	1247374.0	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	59	56	57	0.6	No
R1821	F 1	E	293971.2	1247374.0	Residential	65	61	58	59	62	59	59	60	57	57	62	58	59	62	59	60	0.6	No
R1824	GF	E	293973.4	1247393.7	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	60	56	57	0.6	No
R1825	GF	S	293962.1	1247584.4	Residential	65	53	49	50	53	50	50	52	48	50	54	49	51	54	50	52	0.8	No
R1828	GF	E	293975.9	1247407.9	Residential	65	58	54	56	59	55	56	57	54	55	59	55	56	59	55	57	0.6	No
R1830	GF	NW	293959.0	1246268.9	Industrial	n/a	71	66	69	71	67	69	71	66	70	73	67	71	73	67	71	1.5	No
R1830	F 1	NW	293959.0	1246268.9	Industrial	n/a	71	66	69	71	67	69	71	66	70	73	67	71	73	67	71	1.7	No
R1830	F 2	NW	293959.0	1246268.9	Industrial	n/a	71	66	69	71	67	69	71	66	69	72	67	71	72	67	71	1.7	No
R1830	F 3	NW	293959.0	1246268.9	Industrial	n/a	70	65	68	70	66	68	71	65	69	72	66	71	72	66	71	1.7	No
R1831	GF	N	293963.9	1247904.6	Residential	65	46	42	44	46	43	44	45	41	43	47	42	45	47	43	45	0.9	No
R1831	F 1	N	293963.9	1247904.6	Residential	65	49	45	47	50	46	47	49	45	47	50	46	48	51	46	49	1.3	No
R1833	GF	W	293959.8	1245974.5	Residential	65	53	48	51	53	49	51	53	48	51	55	49	53	55	49	53	1.2	No
R1833	F 1	W	293959.8	1245974.5	Residential	65	61	56	59	61	57	59	61	56	59	62	57	61	62	57	61	1.2	No
R1834	GF	W	293960.2	1245996.0	Residential	65	54	49	53	55	50	53	54	49	53	56	50	54	56	50	54	1.1	No
R1834	F 1	W	293960.2	1245996.0	Residential	65	62	58	60	63	59	60	62	58	60	64	59	62	64	59	62	1.1	No
R1835	GF	NW	293960.9	1246028.1	Residential	65	61	55	60	61	56	59	61	55	59	62	56	61	62	56	61	1.3	No
R1835	F 1	NW	293960.9	1246028.1	Residential	65	62	57	60	62	57	60	62	57	60	63	57	62	63	57	62	1.2	No
R1836	GF	E	293979.8	1247441.8	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	60	56	57	0.7	No
R1839	GF	E	293978.0	1247426.9	Residential	65	58	54	56	59	55	56	57	54	55	59	55	56	59	55	57	0.7	No
R1840	GF	E	293980.0	1247457.4	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	59	56	57	0.6	No
R1840	F 1	E	293980.0	1247457.4	Residential	65	61	57	58	61	58	58	60	56	57	61	57	59	62	58	59	0.6	No
R1841	GF	E	293985.3	1247491.0	Residential	65	58	54	56	59	55	56	57	54	55	59	55	56	59	55	57	0.7	No
R1843	GF	E	293982.6	1247471.6	Residential	65	58	55	56	59	56	56	58	54	55	59	55	57	60	56	57	0.6	No
R1843	F 1	E	293982.6	1247471.6	Residential	65	61	57	58	61	58	58	60	56	57	61	57	59	62	58	59	0.7	No
R1845	GF	E	293989.3	1247527.8	Residential	65	57	53	54	57	54	55	56	53	53	57	54	55	58	54	56	0.7	No
R1845	F 1	E	293989.3	1247527.8	Residential	65	60	56	57	60	57	57	59	55	56	60	56	58	61	57	58	0.7	No
R1845	F 2	E	293989.3	1247527.8	Residential	65	61	57	58	61	58	58	60	56	57	61	57	59	62	58	60	0.6	No
R1846	GF	S	293973.3	1247693.1	Residential	65	52	48	49	52	49	49	51	47	49	52	48	50	53	49	51	1.0	No
R1846	F 1	S	293973.3	1247693.1	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	56	52	53	0.9	No
R1847	GF	E	293993.0	1247557.4	Residential	65	56	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.7	No
R1849	GF	E	294021.3	1247796.9	Residential	65	55	51	52	55	52	52	54	50	51	55	51	53	56	52	54	0.7	No
R1849	F 1	E	294021.3	1247796.9	Residential	65	56	52	54	57	53	54	55	52	53	57	53	55	58	54	55	0.9	No
R1850	GF	E	293996.0	1247883.6	Industrial	n/a	48	44	46	48	45	46	48	43	47	50	44	48	51	45	49	2.3	No
R1850	F 1	E	293996.0	1247883.6	Industrial	n/a	51	47	49	51	48	49	51	46	49	52	47	51	53	48	52	2.0	No
R1851	GF	S	293971.9	1245943.6	Residential	65	58	52	57	59	53	57	58	52	57	60	53	59	60	53	59	1.3	No
R1851	F 1	S	293971.9	1245943.6	Residential	65	59	54	57	60	55	58	59	54	57	61	55	59	61	55	59	1.1	No
R1852	GF	E	293990.2	1247543.2	Residential	65	55	51	53	56	52	53	54	51	52	56	52	54	57	52	54	0.8	No
R1854	GF	E	294014.9	1247772.7	Residential	65	53	49	51	53	50	51	52	48	50	54	49	52	54	50	52	1.0	No
R1854	F 1	E	294014.9	1247772.7	Residential	65	56	52	53	56	53	53	55	51	53	56	52	54	57	53	55	1.0	No
R1854	F 2	E	294014.9	1247772.7	Residential	65	58	54	55	58	55	55	57	53	54	58	54	56	59	55	57	1.0	No
R1854	F 3	E	294014.9	1247772.7	Residential	65	59	55	56	59	56	56	58	54	55	59	55	57	60	56	58	0.9	No
R1857	GF	E	293994.3	1247571.5	Residential	65	56	52	53	56	53	53	55	51	52	56	52	54	57	53	55	0.7	No
R1858	GF	E	294015.2	1247752.3	Residential	65	54	50	52	54	51	52	53	49	51	55	50	52	55	51	53	0.8	No
R1858	F 1	E	294015.2	1247752.3	Residential	65	57	53	54	57	54	54	56	52	53	57	53	55	58	54	56	0.9	No
R1861	GF	W	293975.3	1246404.6	Industrial	n/a	74	68	73	74	69	73	74	68	73	76	69	75	76	69	75	1.8	No
R1863	GF	E	294000.6	1247630.7	Residential	65	55	51	52	55	52	53	54	51	52	56	52	53	56	52	54	0.7	No
R1863	F 1	E	294000.6	1247630.7	Residential	65	58	54	55	58	55	55	57	53	54	58	54	56	59	55	57	0.8	No
R1863	F 2	E	294000.6	1247630.7	Residential	65	59	56	57	60	57	57	59	55	56	60	56	58	61	57	58	0.8	No
R1864	GF	E	294028.8	1247853.0	Residential	65	54	50	51	54	51	51	53	49	50	54	50	52	55	51	53	0.8	No
R1864	F 1	E	294028.8	1247853.0	Residential	65	55	51	53	55	52	53	54	51	52	56	52	53	56	52	54	0.8	No
R1864	F 2	E	294028.8	1247853.0	Residential	65	56	52	53	56	53	54	55	51	53	56	52	54	57	53	55	1.0	No
R1866	GF	E	293993.6	1247585.2	Residential	65	55	51	52	55	52	52	54	50	51	55	51	53	56	52	53	0.8	No
R1866	F 1	E	293993.6	1247585.2	Residential	65	58	54	56	59	55	56	57	54	55	59	55	56	59	55	57	0.7	No
R1874	GF	E	293998.8	1247612.9	Residential	65	54	50	52	54	51	52	53	50	51	55	50	52	55	51	53	0.9	No
R1874	F 1	E	293998.8	1247612.9	Residential	65	57	53	55	58	54	55	56	53	54	58	54	55	58	54	56	0.8	No
R1875	GF	E	294007.4	1247692.1	Residential	65	54	50	51	54	51	51	53	49	51	55	50	52	55	51	53	1.0	No
R1875	F 1	E	294007.4	1247692.1	Residential	65	57	53	54	57	54	54	56	52	53	57	53	55	58	54	56	0.9	No
R1875	F 2	E	294007.4	1247692.1	Residential	65	59	55	56	59	56	56	58	54	55	59	55	57	60	56	58	1.0	No
R1876	GF	E	293996.5	1247599.3	Residential	65	54	50	52	55	51	52	54	50	51	55	51	53	56	51	53	0.8	No
R1879	GF	E	294013.6	1247731.7	Residential	65	54	50	51	54	51	51	53	49	51	54	50	52	55	51	53	0.9	No
R1879	F 1	E	294013.6	1247731.7	Residential	65	56	52	54	57	53	54	56	52	53	57	53	55	58	54	56	0.9	No
R1879	F 2	E	294013.6	1247731.7	Residential	65	59	55	56	59	56	56	58	54	55	59	55	57	60	56	58	0.9	No
R1885	GF	E	294011.2	1247711.6	Residential	65	53	49	51	54	50	51	53	49	50	54	50	52	55	50	52	0.9	No
R1885	F 1	E	294011.2	1247711.6	Residential	65	56	52	54	57	53	54	55	52	53	57	53	55	58	53	56	1.0	No
R1889	GF	E	294001.3	1247650.4	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	57	52	54	0.9	No
R1889	F 1	E	294001.3	1247650.4	Residential	65	58	54	55	58	55	55	57	53	54	58	54	56	59	55	57	0.8	No
R1892	GF	NW	293996.4	1246472.7	Industrial	n/a	70	65	68	70	66	68	70	65	68	71	66	70	71	66	70	1.3	No
R1893	GF	E	294009.6	1247281.7	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	56	52	54	0.8	No
R1899	GF	E	294009.0	1247300.6	Residential	65	57	53	55	57	54	54	56	52	54	58	53	55	58	54	56	0.8	No
R1903	GF	E	294011.2	1247318.8	Residential	65	58	54	56	58	55	56	57	53	55	59	54	56	59	55	57	0.9	No
R1906	GF	E	294074.1	1247289.0	Industrial	n/a	67	64	64	68	65	64	66	64	62	67	65	64	68	65	64	0.2	No
R1907	GF	E	294011.5	1247335.3	Residential	65	58	54	56	59	55	56	58	54	55	59	55	57	60	55	58	0.8	No
R1910	GF	E	294024.6	1247895.5	Industrial	n/a	53	49	51	54	50	51	53	48	51	54	49	53	55	50	54	1.6	No
R1913	GF	E	294016.6	1247349.5	Residential	65	59	55	57	59	56	57	58	54	56	60	55	57	60	56	58	0.8	No
R1916	GF	E	294024.1	1247815.4	Residential	65	55	51	52	55	52	52	54	50	51	55	51	53	56	52	54	0.8	No
R1916	F 1	E	294024.1	1247815.4	Residential	65	56	52	54	57	53	54	55	52	53	57	53	55	57	53	55	0.9	No
R1918	GF	E	294017.3	1247387.5	Residential	65	60	56	57	60	57	57	59	55	56	60	56	58	61	57	59	0.7	No
R1920	GF	E	294022.3	1247364.1	Residential	65	59	55	57	59	56	57	58	54	56	59	55	57	60	56	58	0.8	No
R1923	GF	W	294007.8	1246548.4	Industrial	n/a	71	66	70	71	67	69	71	66	70	73	67	71	73	67	71	1.3	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1924	GF	W	294007.9	1245975.1	Residential	65	51	47	50	52	48	49	51	47	50	53	48	51	53	48	51	1.2	No
R1924	F 1	W	294007.9	1245975.1	Residential	65	55	50	53	55	51	53	55	50	53	56	51	54	56	51	54	1.1	No
R1924	F 2	W	294007.9	1245975.1	Residential	65	59	54	57	59	55	57	59	54	57	60	55	59	60	55	59	1.2	No
R1926	GF	E	294023.5	1247404.2	Residential	65	62	58	59	62	59	59	61	58	58	62	59	60	63	59	60	0.5	No
R1928	GF	S	294017.8	1245940.3	Residential	65	55	49	53	55	50	53	55	49	53	56	50	55	56	50	55	1.3	No
R1929	GF	E	294023.1	1247421.4	Residential	65	62	58	59	62	59	59	61	58	58	62	59	60	63	59	60	0.5	No
R1934	GF	E	294021.9	1247458.8	Residential	65	60	56	57	60	57	57	59	55	56	60	56	58	61	57	58	0.7	No
R1937	GF	W	294014.6	1245934.9	Residential	65	56	50	54	56	51	54	56	50	54	57	51	56	57	51	56	1.3	No
R1942	GF	S	294024.6	1247519.2	Residential	65	59	55	56	59	56	56	58	54	55	59	56	56	60	56	57	0.6	No
R1945	GF	N	294028.4	1247306.4	Residential	65	55	51	52	55	52	52	54	51	52	56	52	53	56	52	54	0.8	No
R1947	GF	NW	294024.1	1246499.1	Industrial	n/a	65	61	63	66	62	63	65	61	63	67	62	65	67	62	65	1.0	No
R1951	GF	W	294045.5	1246373.0	Industrial	n/a	59	55	57	59	56	57	59	55	57	61	56	59	61	56	59	1.2	No
R1953	GF	E	294038.4	1247542.7	Residential	65	59	55	56	59	56	56	58	55	55	59	56	56	60	56	57	0.6	No
R1953	F 1	E	294038.4	1247542.7	Residential	65	62	58	59	62	59	59	61	58	58	62	59	60	63	59	60	0.6	No
R1959	GF	N	294037.6	1247616.1	Residential	65	52	48	49	52	49	49	51	48	48	53	49	50	53	49	51	0.8	No
R1959	F 1	N	294037.6	1247616.1	Residential	65	56	52	54	57	53	54	55	52	53	57	53	54	57	53	55	0.6	No
R1960	GF	E	294039.6	1247563.4	Residential	65	59	55	56	59	56	56	58	55	55	59	56	56	60	56	57	0.5	No
R1963	GF	S	294041.7	1247516.5	Residential	65	59	55	56	59	56	56	58	55	55	59	56	57	60	56	57	0.5	No
R1967	GF	E	294053.1	1247576.3	Residential	65	60	56	57	60	57	57	59	56	56	60	57	58	61	57	58	0.5	No
R1967	F 1	E	294053.1	1247576.3	Residential	65	62	58	59	62	59	59	61	57	58	62	58	60	63	59	60	0.6	No
R1967	F 2	E	294053.1	1247576.3	Residential	65	63	59	60	63	60	60	62	58	59	63	59	61	64	60	62	0.7	No
R1974	GF	E	294050.2	1247620.6	Residential	65	56	52	53	56	53	53	55	52	52	56	53	54	57	53	54	0.7	No
R1980	GF	E	294052.0	1247644.5	Residential	65	56	53	54	57	54	54	56	52	53	57	53	55	58	54	55	0.7	No
R1980	F 1	E	294052.0	1247644.5	Residential	65	60	56	57	60	57	57	59	55	56	60	56	58	61	57	58	0.7	No
R1981	GF	N	294047.1	1245988.7	Residential	65	51	46	49	51	47	49	51	46	49	52	47	51	52	47	51	1.1	No
R1982	GF	E	294059.4	1247662.5	Residential	65	56	53	54	57	53	54	56	52	53	57	53	55	58	54	56	0.9	No
R1983	GF	E	294055.5	1247682.6	Residential	65	55	51	53	55	52	53	54	50	52	56	51	54	56	52	54	0.9	No
R1983	F 1	E	294055.5	1247682.6	Residential	65	59	55	56	59	56	56	58	54	55	59	55	57	60	56	58	0.9	No
R1986	GF	N	294047.4	1245947.7	Residential	65	49	45	47	50	46	47	50	45	47	51	46	49	51	46	49	1.2	No
R1987	GF	N	294053.5	1247491.1	Industrial	n/a	59	56	56	60	57	56	58	55	55	59	56	56	60	57	57	0.3	No
R1987	F 1	N	294053.5	1247491.1	Industrial	n/a	61	57	58	62	58	59	60	57	57	61	58	59	62	58	60	0.5	No
R1995	GF	E	294060.6	1247704.4	Residential	65	55	52	53	56	53	53	55	51	52	56	52	54	57	53	55	0.9	No
R1995	F 1	E	294060.6	1247704.4	Residential	65	58	54	56	58	55	56	57	53	55	59	54	56	59	55	57	1.0	No
R1996	GF	S	294055.2	1247596.3	Residential	65	58	54	55	58	55	55	56	53	53	58	54	55	59	55	56	0.5	No
R2003	GF	E	294062.8	1247719.2	Residential	65	56	52	54	57	53	54	55	52	53	57	53	54	57	53	55	0.8	No
R2003	F 1	E	294062.8	1247719.2	Residential	65	58	54	56	59	55	56	58	54	55	59	55	57	60	55	58	1.0	No
R2006	GF	E	294064.1	1247740.0	Residential	65	56	52	54	57	53	54	55	52	53	57	53	54	57	53	55	0.7	No
R2009	GF	E	294064.5	1247754.1	Residential	65	56	52	54	57	53	54	56	52	53	57	53	55	58	53	56	0.8	No
R2012	GF	N	294057.5	1245951.5	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.1	No
R2014	GF	E	294065.1	1247767.9	Residential	65	55	51	53	56	52	53	55	51	52	56	52	54	57	52	55	0.8	No
R2015	GF	E	294083.7	1247780.3	Residential	65	58	54	55	58	55	55	57	53	54	58	54	56	59	55	57	0.9	No
R2015	F 1	E	294083.7	1247780.3	Residential	65	61	57	58	61	58	58	60	56	57	61	57	59	62	58	60	0.8	No
R2016	GF	E	294067.9	1247525.9	Residential	65	62	59	59	63	60	59	61	58	58	62	59	60	63	60	60	0.3	No
R2024	GF	E	294095.0	1247815.6	Residential	65	60	56	58	61	57	58	59	56	56	61	57	58	61	57	59	0.5	No
R2024	F 1	E	294095.0	1247815.6	Residential	65	61	57	59	61	58	58	60	56	58	62	57	59	62	58	60	0.9	No
R2024	F 2	E	294095.0	1247815.6	Residential	65	62	58	60	62	59	60	61	57	59	63	59	61	63	59	61	0.9	No
R2024	F 3	E	294095.0	1247815.6	Residential	65	63	59	60	63	60	60	62	58	60	63	59	61	64	60	62	1.0	No
R2026	GF	E	294113.9	1247843.5	Residential	65	60	56	58	61	57	58	60	56	58	61	57	59	62	58	60	1.4	No
R2026	F 1	E	294113.9	1247843.5	Residential	65	61	57	59	62	58	59	61	57	59	62	58	60	63	58	61	1.3	No
R2026	F 2	E	294113.9	1247843.5	Residential	65	62	59	60	63	60	60	62	58	60	63	59	61	64	60	62	1.3	No
R2028	GF	E	294095.2	1247456.0	Industrial	n/a	67	64	64	67	65	63	66	63	62	67	64	63	67	65	64	0.3	No
R2029	GF	S	294070.4	1245938.5	Residential	65	51	47	49	51	48	49	51	47	49	53	48	51	53	48	51	1.1	No
R2031	GF	E	294096.4	1247865.4	Residential	65	57	53	55	58	54	55	57	52	55	58	53	57	59	54	58	1.6	No
R2031	F 1	E	294096.4	1247865.4	Residential	65	58	54	56	59	55	56	58	53	56	59	54	58	60	55	59	1.6	No
R2031	F 2	E	294096.4	1247865.4	Residential	65	60	56	57	60	57	58	59	55	58	61	56	59	62	57	60	1.5	No
R2034	GF	S	294072.9	1247590.1	Residential	65	59	56	56	60	57	56	58	55	55	60	56	57	60	57	57	0.5	No
R2034	F 1	S	294072.9	1247590.1	Residential	65	61	57	59	62	59	59	60	57	57	62	58	59	62	58	60	0.7	No
R2038	GF	NW	294072.5	1246401.1	Industrial	n/a	57	52	55	57	53	55	56	52	54	58	53	56	58	53	56	0.8	No
R2040	GF	E	294084.4	1247634.5	Residential	65	58	55	56	59	56	56	58	54	55	59	55	56	59	56	57	0.6	No
R2050	GF	E	294103.9	1247920.5	Commercial	n/a	54	51	52	55	51	52	54	50	52	55	51	53	56	52	54	1.2	No
R2051	GF	E	294092.7	1247582.0	Residential	65	60	56	57	60	57	57	59	56	55	60	57	57	60	57	58	0.4	No
R2055	GF	E	294134.1	1247670.6	Residential	65	67	64	64	68	65	64	66	63	63	67	64	64	68	65	65	0.3	No
R2055	F 1	E	294134.1	1247670.6	Residential	65	68	64	65	68	65	65	67	63	64	68	65	65	69	65	66	0.6	No
R2055	F 2	E	294134.1	1247670.6	Residential	65	68	64	65	68	65	65	67	64	64	68	65	66	69	65	67	0.8	No
R2061	GF	E	294105.1	1247517.5	Residential	65	67	64	64	67	65	64	65	63	62	67	64	64	67	64	64	0.2	No
R2062	GF	W	294088.9	1245977.2	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.1	No
R2062	F 1	W	294088.9	1245977.2	Residential	65	54	49	52	55	50	52	54	49	52	56	50	54	56	50	54	1.1	No
R2064	GF	E	294104.3	1247762.9	Residential	65	59	55	56	59	56	57	58	54	56	60	55	58	60	56	58	1.0	No
R2070	GF	E	294113.8	1247571.4	Residential	65	67	64	64	67	65	64	65	63	62	67	64	63	67	64	64	0.2	No
R2070	F 1	E	294113.8	1247571.4	Residential	65	67	64	65	68	65	65	66	63	63	68	64	65	68	65	66	0.5	No
R2071	GF	W	294095.5	1245944.1	Residential	65	50	46	48	50	46	48	50	46	48	51	46	50	51	46	50	1.0	No
R2072	GF	S	294099.8	1247646.4	Residential	65	59	55	56	59	56	56	58	55	55	59	56	57	60	56	57	0.5	No
R2073	GF	E	294105.3	1247776.7	Residential	65	60	56	58	61	57	58	59	56	57	61	57	59	61	57	59	0.9	No
R2075	GF	NW	294106.1	1246406.5	Industrial	n/a	56	51	54	56	52	54	55	51	53	57	52	55	57	52	55	0.8	No
R2081	GF	E	294126.3	1247628.9	Residential	65	67	64	64	67	65	64	66	63	62	67	64	64	68	65	64	0.2	No
R2081	F 1	E	294126.3	1247628.9	Residential	65	68	64	65	68	65	65	66	63	63	68	64	65	69	65	66	0.6	No
R2083	GF	E	294119.1	1247588.8	Residential	65	67	64	64	68	65	64	66	63	62	67	64	64	68	65	65	0.2	No
R2085	GF	NW	294105.1	1246549.6	Industrial	n/a	60	55	57	60	56	57	60	55	57	61	56	59	61	56	59	1.1	No
R2087	GF	E	294136.7	1247711.7	Residential	65	67	64	64	68	65	64	66	63	63	67	64	64	68	64	65	0.4	No
R2087	F 1	E	294136.7	1247711.7	Residential	65	67	64	65	68	65	65	66	63	63	68	64	65	68	64	66	0.7	No
R2087	F 2	E	294136.7	1247711.7	Residential	65	67	64	64	68	65	65	66	63	64	68	64	65	68	65	66	0.8	No
R2087	F 3	E	294136.7	1247711.7	Residential	65	67	64	65	68	65	65	66	63	64	68	64	65	68	64	66	0.8	No
R2088	GF	E	294133.8	1247691.1	Residential	65	67	63	64	67	65	64	66	63	62	67	64	64	68	64	65	0.3	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2088	F 1	E	294133.8	1247691.1	Residential	65	67	64	64	68	65	64	66	63	63	67	64	65	68	64	66	0.7	No
R2088	F 2	E	294133.8	1247691.1	Residential	65	67	64	65	68	65	65	66	63	64	68	64	65	68	64	66	0.8	No
R2088	F 3	E	294133.8	1247691.1	Residential	65	67	64	65	68	65	65	66	63	64	68	64	65	68	65	66	0.7	No
R2090	GF	W	294107.4	1246371.8	Industrial	n/a	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.0	No
R2092	GF	E	294127.7	1247607.7	Residential	65	67	64	64	68	65	64	66	64	62	68	65	64	68	65	65	0.3	No
R2093	GF	E	294131.3	1247652.3	Residential	65	67	64	64	68	65	64	66	63	62	67	64	64	68	65	65	0.2	No
R2102	GF	N	294130.0	1246399.3	Industrial	n/a	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	0.9	No
R2103	GF	S	294141.8	1247920.2	Commercial	n/a	54	49	52	54	50	52	53	49	52	55	50	53	56	51	54	2.0	No
R2103	F 1	S	294141.8	1247920.2	Commercial	n/a	59	55	57	59	56	57	58	54	56	60	55	58	61	56	59	1.5	No
R2106	GF	NW	294119.7	1246602.0	Industrial	n/a	60	56	58	61	57	58	60	56	58	62	57	60	62	57	60	1.0	No
R2106	F 1	NW	294119.7	1246602.0	Industrial	n/a	60	56	58	61	57	58	61	56	58	62	57	60	62	57	60	1.1	No
R2106	F 2	NW	294119.7	1246602.0	Industrial	n/a	61	56	58	61	57	58	61	56	58	62	57	60	62	57	60	1.1	No
R2109	GF	W	294122.1	1247156.6	Residential	65	67	62	65	67	63	66	68	63	66	70	65	68	69	63	67	1.2	No
R2109	F 1	W	294122.1	1247156.6	Residential	65	68	63	66	68	64	66	69	64	67	70	65	69	69	64	67	1.1	No
R2110	GF	E	294143.0	1247749.5	Residential	65	67	64	64	68	65	64	66	63	63	67	64	64	68	64	65	0.4	No
R2112	GF	E	294144.5	1247777.5	Residential	65	66	62	63	66	63	63	64	61	62	66	62	63	67	63	64	0.7	No
R2113	GF	W	294133.6	1245948.5	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R2114	GF	E	294140.0	1247732.3	Residential	65	67	64	64	68	65	64	66	63	63	67	64	64	68	64	65	0.4	No
R2118	GF	E	294147.2	1247767.9	Residential	65	67	64	65	68	65	65	66	63	63	67	64	65	68	65	66	0.5	No
R2118	F 1	E	294147.2	1247767.9	Residential	65	67	64	65	68	65	65	66	63	63	68	64	65	68	65	66	0.7	No
R2120	GF	W	294135.7	1245979.6	Residential	65	52	47	50	52	48	50	51	47	49	53	48	51	53	48	51	1.0	No
R2121	GF	NW	294136.2	1246416.9	Industrial	n/a	55	50	53	55	51	53	54	50	52	56	51	54	56	51	54	0.8	No
R2122	GF	W	294136.5	1247205.4	Residential	65	62	56	61	63	57	61	68	63	66	69	64	68	62	56	61	-0.4	No
R2122	F 1	W	294136.5	1247205.4	Residential	65	63	58	62	64	59	62	68	63	66	69	64	68	64	58	63	0.3	No
R2125	GF	E	294159.5	1247833.9	Commercial	n/a	67	63	64	67	64	64	66	63	63	67	64	65	68	64	66	0.9	No
R2125	F 1	E	294159.5	1247833.9	Commercial	n/a	67	64	64	68	65	64	66	63	64	68	64	65	69	64	66	1.0	No
R2128	GF	W	294139.7	1247218.9	Residential	65	62	56	61	62	57	61	68	63	66	69	64	68	62	56	61	-0.4	No
R2128	F 1	W	294139.7	1247218.9	Residential	65	63	57	62	63	58	62	68	63	66	69	64	68	64	58	63	0.5	No
R2134	GF	SW	294143.1	1246481.4	Industrial	n/a	55	51	53	56	52	53	55	51	53	57	52	55	57	52	55	0.8	No
R2135	GF	W	294143.3	1247237.6	Residential	65	62	55	61	62	56	61	68	63	66	69	64	67	62	55	60	-0.4	No
R2137	GF	SW	294146.1	1246336.2	Industrial	n/a	51	46	49	51	47	49	51	46	49	52	47	50	52	47	50	0.8	No
R2137	F 1	SW	294146.1	1246336.2	Industrial	n/a	54	50	52	54	51	52	54	50	51	55	51	53	55	51	53	0.8	No
R2138	GF	W	294147.0	1247264.6	Residential	65	61	54	60	61	55	60	68	63	66	69	64	68	61	54	60	-0.1	No
R2140	GF	W	294150.4	1247281.4	Residential	65	62	55	61	62	56	61	68	63	66	69	64	68	62	55	61	-0.2	No
R2140	F 1	W	294150.4	1247281.4	Residential	65	63	57	61	63	58	62	68	63	66	69	64	68	64	58	63	1.0	No
R2142	GF	W	294151.5	1247153.2	Residential	65	62	57	60	62	58	60	63	59	61	65	60	63	63	58	61	1.0	No
R2142	F 1	W	294151.5	1247153.2	Residential	65	63	58	61	63	59	61	64	60	62	66	61	64	64	59	62	1.0	No
R2146	GF	W	294153.2	1247295.8	Residential	65	62	55	61	62	56	61	68	63	66	69	64	68	62	54	61	-0.5	No
R2146	F 1	W	294153.2	1247295.8	Residential	65	63	57	62	63	58	62	68	63	66	69	64	68	64	58	63	0.8	No
R2149	GF	W	294154.6	1247310.7	Residential	65	62	56	61	63	57	61	68	63	66	70	64	68	62	55	61	-0.3	No
R2149	F 1	W	294154.6	1247310.7	Residential	65	63	57	62	63	58	62	68	63	66	69	64	68	64	58	63	0.9	No
R2152	GF	W	294156.5	1247321.8	Residential	65	62	56	61	62	57	61	68	63	66	69	64	68	61	54	61	-0.9	No
R2152	F 1	W	294156.5	1247321.8	Residential	65	63	57	62	63	58	62	68	63	66	69	64	68	64	57	63	0.6	No
R2156	GF	W	294157.5	1245979.0	Residential	65	49	45	47	49	45	47	49	45	47	50	45	49	50	45	49	1.0	No
R2157	GF	SW	294158.5	1246316.2	Industrial	n/a	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.8	No
R2157	F 1	SW	294158.5	1246316.2	Industrial	n/a	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	0.8	No
R2158	GF	W	294158.7	1247364.9	Residential	65	63	58	62	64	58	62	69	64	67	70	65	69	61	53	60	-2.8	No
R2159	GF	W	294159.1	1247335.0	Residential	65	62	56	61	63	57	61	68	63	66	69	64	68	61	54	60	-1.4	No
R2161	GF	W	294161.4	1247347.6	Residential	65	63	57	61	63	58	61	68	63	66	69	64	67	61	54	60	-1.8	No
R2165	GF	E	294184.1	1247938.4	Commercial	n/a	65	61	63	65	62	63	65	60	62	66	61	64	67	62	65	1.7	No
R2165	F 1	E	294184.1	1247938.4	Commercial	n/a	66	62	63	66	63	63	66	62	63	67	63	65	68	63	65	1.5	No
R2165	F 2	E	294184.1	1247938.4	Commercial	n/a	66	62	63	66	63	63	66	62	63	67	63	65	68	64	66	1.4	No
R2166	GF	W	294165.9	1247379.5	Residential	65	62	55	61	62	56	61	68	63	66	69	64	67	60	53	60	-1.5	No
R2171	GF	N	294177.8	1245958.4	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2172	GF	S	294174.8	1247142.9	Residential	65	61	57	59	62	58	59	61	57	59	63	58	61	63	58	61	1.0	No
R2175	GF	S	294178.1	1247226.9	Residential	65	58	52	56	58	53	56	59	55	57	61	56	59	59	53	57	0.8	No
R2176	GF	W	294170.3	1247393.2	Residential	65	61	54	60	61	55	60	68	63	66	69	64	67	61	53	60	-0.6	No
R2178	GF	W	294171.4	1247407.7	Residential	65	61	54	60	61	55	60	68	63	66	69	64	68	61	53	60	-0.2	No
R2181	GF	W	294173.8	1247421.0	Residential	65	61	54	60	61	54	60	68	63	66	69	64	68	61	54	60	0.0	No
R2181	F 1	W	294173.8	1247421.0	Residential	65	62	56	61	63	57	61	68	63	66	69	64	68	64	58	63	1.4	No
R2183	GF	W	294175.9	1246308.9	Industrial	n/a	51	46	48	51	47	48	50	46	48	52	47	50	52	47	50	0.9	No
R2184	GF	W	294176.0	1247434.9	Residential	65	61	53	60	61	54	60	68	63	66	69	64	68	61	53	60	0.1	No
R2184	F 1	W	294176.0	1247434.9	Residential	65	62	56	61	62	57	61	68	63	66	69	64	68	64	58	63	1.4	No
R2185	GF	W	294176.5	1247091.2	Residential	65	62	58	60	63	59	60	62	58	60	64	59	62	64	59	62	0.9	No
R2187	GF	W	294178.9	1245982.4	Residential	65	48	43	46	48	44	46	48	43	46	49	44	47	49	44	47	1.0	No
R2187	F 1	W	294178.9	1245982.4	Residential	65	52	47	50	52	48	50	52	47	50	53	48	52	53	48	52	1.1	No
R2189	GF	NW	294184.6	1246371.8	Industrial	n/a	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.1	No
R2192	GF	W	294180.5	1247446.5	Residential	65	60	52	59	60	53	59	67	63	65	69	64	67	60	53	60	0.3	No
R2193	GF	N	294188.2	1245952.8	Residential	65	44	39	42	44	40	42	44	39	41	45	40	43	45	40	43	1.0	No
R2194	GF	W	294183.2	1247458.1	Residential	65	60	52	59	60	52	59	67	63	65	69	64	67	60	52	59	0.2	No
R2194	F 1	W	294183.2	1247458.1	Residential	65	61	55	60	61	55	60	67	63	65	69	64	67	63	57	62	1.5	No
R2195	GF	NW	294195.1	1246627.0	Industrial	n/a	58	54	56	58	55	56	58	54	56	60	55	58	60	55	58	1.1	No
R2196	GF	W	294183.9	1247365.0	Residential	65	56	51	54	56	52	54	57	53	55	58	54	57	56	51	55	0.4	No
R2198	GF	W	294186.7	1247354.3	Residential	65	56	52	55	57	53	55	58	53	56	59	54	57	56	51	55	-0.4	No
R2200	GF	W	294187.7	1247331.7	Residential	65	56	51	54	56	52	54	58	53	56	59	54	57	57	52	55	0.9	No
R2201	GF	W	294188.0	1247497.7	Residential	65	60	52	60	60	53	59	68	63	66	69	64	68	61	53	60	0.2	No
R2201	F 1	W	294188.0	1247497.7	Residential	65	62	55	61	62	56	61	68	63	66	69	64	68	63	57	62	1.5	No
R2203	GF	S	294194.8	1247142.4	Residential	65	60	56	58	61	57	58	60	56	58	62	57	60	62	57	60	0.9	No
R2205	GF	S	294192.8	1247222.8	Residential	65	59	54	57	59	55	57	60	56	58	61	57	59	60	55	58	0.8	No
R2206	GF	N	294195.3	1245949.7	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.1	No
R2208	GF	W	294191.9	1247518.7	Residential	65	60	53	60	61	53	60	68	63	66	69	64	68	61	53	60	0.4	No
R2208	F 1	W	294191.9	1247518.7	Residential	65	62	55	61	62	56	61	68	63	66	69	64	68	64	57	62	1.6	No
R2209	GF	W	294192.9	1245964.3	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2212	GF	W	294193.7	1247537.5	Residential	65	61	53	60	61	54	60	68	63	66	69	64	68	61	53	60	0.1	No
R2216	GF	NW	294201.9	1246370.7	Industrial	n/a	50	46	48	50	47	48	50	46	48	51	47	50	51	47	49	1.0	No
R2216	F 1	NW	294201.9	1246370.7	Industrial	n/a	54	50	52	54	51	52	54	50	52	56	51	54	55	51	53	0.9	No
R2218	GF	W	294196.9	1247216.5	Residential	65	59	55	58	60	55	58	61	57	59	62	58	60	60	55	59	0.7	No
R2219	GF	W	294205.2	1245987.4	Residential	65	49	44	47	49	45	47	49	44	47	50	45	48	50	45	48	1.0	No
R2219	F 1	W	294205.2	1245987.4	Residential	65	50	46	48	51	46	48	50	46	48	52	47	50	52	47	50	1.0	No
R2220	GF	W	294197.3	1247577.7	Residential	65	60	52	60	61	53	60	68	64	66	70	65	68	60	53	60	-0.1	No
R2220	F 1	W	294197.3	1247577.7	Residential	65	62	55	61	62	56	61	68	64	66	70	65	68	64	57	63	1.5	No
R2222	GF	W	294198.1	1247370.4	Residential	65	56	51	54	56	52	54	57	53	55	59	54	57	57	52	55	1.0	No
R2223	GF	W	294198.1	1247124.6	Residential	65	61	57	59	62	58	59	61	57	59	63	58	61	63	58	61	1.0	No
R2225	GF	S	294204.9	1247393.1	Residential	65	55	50	54	55	51	54	57	53	55	58	54	57	57	51	55	1.1	No
R2226	GF	W	294200.7	1247414.9	Residential	65	56	51	54	56	52	54	57	53	55	58	54	57	57	52	55	1.1	No
R2228	GF	S	294207.2	1245947.5	Residential	65	46	42	44	46	43	44	46	42	44	47	43	46	47	43	46	1.1	No
R2229	GF	W	294203.5	1247595.9	Residential	65	60	51	59	60	52	59	68	63	66	69	64	67	60	52	59	-0.1	No
R2229	F 1	W	294203.5	1247595.9	Residential	65	62	55	61	62	55	60	68	63	66	69	64	68	63	56	62	1.5	No
R2231	GF	W	294204.2	1247140.8	Residential	65	60	56	58	60	57	58	60	56	58	61	57	59	61	57	59	1.0	No
R2231	F 1	W	294204.2	1247140.8	Residential	65	61	56	59	61	57	59	62	58	59	63	59	61	62	57	60	0.9	No
R2231	F 2	W	294204.2	1247140.8	Residential	65	61	57	59	61	58	59	62	58	60	64	59	62	62	58	60	1.0	No
R2235	GF	SW	294206.5	1246302.8	Industrial	n/a	50	45	48	50	46	48	49	45	47	51	46	49	51	46	49	1.0	No
R2235	F 1	SW	294206.5	1246302.8	Industrial	n/a	52	48	50	53	49	50	52	48	50	53	49	52	53	49	52	0.8	No
R2236	GF	S	294216.4	1247487.8	Residential	65	54	48	53	54	49	53	59	55	57	61	56	59	55	49	54	0.9	No
R2236	F 1	S	294216.4	1247487.8	Residential	65	56	50	54	56	51	54	60	56	58	62	57	60	58	52	56	1.4	No
R2237	GF	W	294207.7	1247616.1	Residential	65	60	52	59	60	53	59	68	63	66	69	64	67	60	52	59	0.0	No
R2237	F 1	W	294207.7	1247616.1	Residential	65	62	55	61	62	56	61	68	63	66	69	64	68	63	57	62	1.5	No
R2238	GF	W	294208.6	1247299.5	Residential	65	57	52	55	57	53	55	58	54	56	60	55	58	58	53	56	0.7	No
R2239	GF	W	294208.9	1247634.8	Residential	65	61	53	60	61	54	60	68	63	66	69	64	68	61	53	60	0.0	No
R2241	GF	W	294209.0	1247205.4	Residential	65	59	54	57	59	55	57	60	56	58	61	57	59	60	55	58	0.6	No
R2243	GF	W	294210.1	1247191.0	Residential	65	59	54	57	59	54	57	60	56	58	62	57	60	59	54	58	0.6	No
R2243	F 1	W	294210.1	1247191.0	Residential	65	60	55	58	60	56	58	61	58	59	63	59	61	61	56	59	0.9	No
R2246	GF	W	294212.2	1247456.5	Residential	65	55	50	54	56	51	54	59	55	57	61	56	59	57	51	55	1.1	No
R2247	GF	W	294212.8	1247654.4	Residential	65	61	53	60	61	54	60	68	63	66	70	64	68	61	54	60	0.1	No
R2247	F 1	W	294212.8	1247654.4	Residential	65	62	56	61	63	57	61	68	63	66	69	64	68	64	59	63	1.5	No
R2249	GF	W	294213.7	1247251.0	Residential	65	57	52	56	58	53	56	59	55	57	61	56	59	59	53	57	1.0	No
R2249	F 1	W	294213.7	1247251.0	Residential	65	59	54	57	59	55	57	61	57	59	63	58	61	60	55	59	0.9	No
R2253	GF	W	294216.3	1247393.6	Residential	65	56	51	54	56	51	54	56	52	54	58	53	56	57	52	55	1.1	No
R2254	GF	W	294216.5	1247694.1	Residential	65	61	53	60	61	54	60	68	64	66	70	65	68	61	54	60	-0.4	No
R2255	GF	W	294217.5	1247671.1	Residential	65	61	53	60	61	54	60	68	63	66	69	64	67	61	54	60	0.0	No
R2256	GF	W	294217.6	1247224.2	Residential	65	57	51	55	57	52	55	58	54	56	59	55	57	58	52	56	1.1	No
R2256	F 1	W	294217.6	1247224.2	Residential	65	59	55	57	60	56	58	61	57	59	63	58	61	61	56	59	0.9	No
R2258	GF	W	294218.7	1247432.2	Residential	65	56	50	54	56	51	54	58	54	56	59	55	57	57	52	56	1.1	No
R2261	GF	W	294221.1	1247267.5	Residential	65	57	52	55	57	52	55	59	55	57	60	56	58	58	53	56	0.9	No
R2262	GF	W	294221.9	1247720.3	Residential	65	61	54	60	61	54	60	68	63	66	70	64	68	62	54	61	0.3	No
R2263	GF	NW	294222.3	1246325.2	Industrial	n/a	47	42	45	47	43	45	47	42	45	48	43	46	48	43	46	0.8	No
R2263	F 1	NW	294222.3	1246325.2	Industrial	n/a	51	46	49	51	47	48	50	46	48	52	47	50	52	47	50	0.8	No
R2264	GF	W	294222.2	1247445.7	Residential	65	55	49	53	55	50	53	56	52	54	58	53	56	56	51	54	1.1	No
R2264	F 1	W	294222.2	1247445.7	Residential	65	58	53	57	59	53	57	61	57	59	63	58	61	60	54	58	1.3	No
R2264	F 2	W	294222.2	1247445.7	Residential	65	59	54	58	59	55	58	63	59	61	65	60	63	61	56	59	1.7	No
R2267	GF	W	294225.1	1247405.1	Residential	65	55	50	53	55	51	54	56	52	54	58	53	56	56	51	55	1.1	No
R2267	F 1	W	294225.1	1247405.1	Residential	65	58	53	57	59	54	57	60	57	58	62	58	60	60	54	58	1.2	No
R2271	GF	W	294226.7	1247736.0	Residential	65	61	53	60	61	54	60	68	63	66	69	64	68	61	54	61	0.6	No
R2272	GF	W	294228.1	1247299.0	Residential	65	57	51	55	57	52	55	58	53	55	59	54	57	58	52	56	0.8	No
R2274	GF	W	294228.4	1247283.0	Residential	65	56	51	55	56	52	55	58	54	56	60	55	58	57	52	56	0.8	No
R2277	GF	W	294229.2	1247755.3	Residential	65	61	54	60	61	54	60	68	63	66	70	64	68	62	55	61	0.8	No
R2277	F 1	W	294229.2	1247755.3	Residential	65	63	57	62	63	58	62	68	63	66	70	64	68	65	60	63	1.8	No
R2279	GF	W	294231.6	1247342.7	Residential	65	57	51	55	57	52	55	57	53	55	59	54	57	57	52	56	0.4	No
R2280	GF	W	294231.7	1247309.8	Residential	65	56	51	54	56	52	54	57	53	55	58	54	56	57	52	55	0.8	No
R2281	GF	N	294239.3	1247581.2	Residential	65	54	49	53	55	50	53	56	52	54	58	53	56	56	50	54	1.1	No
R2283	GF	W	294234.6	1247327.2	Residential	65	56	51	54	56	52	54	57	52	55	58	53	56	57	52	55	0.7	No
R2283	F 1	W	294234.6	1247327.2	Residential	65	58	53	57	59	54	57	60	56	57	61	56	59	59	54	58	0.7	No
R2284	GF	S	294241.6	1247683.3	Residential	65	57	51	55	57	52	55	60	56	58	62	57	60	58	52	56	0.9	No
R2285	GF	W	294235.2	1247391.3	Residential	65	55	50	53	55	51	53	55	51	53	57	52	55	56	51	54	0.7	No
R2285	F 1	W	294235.2	1247391.3	Residential	65	58	52	56	58	53	56	59	55	57	60	56	58	59	53	57	0.8	No
R2286	GF	NW	294241.6	1246397.3	Industrial	n/a	49	45	47	50	46	47	50	46	48	51	47	49	51	46	49	1.1	No
R2286	F 1	NW	294241.6	1246397.3	Industrial	n/a	53	49	51	53	50	51	53	49	51	55	50	53	55	50	53	1.1	No
R2288	GF	S	294245.2	1247706.0	Residential	65	56	51	55	56	52	55	59	54	57	60	55	58	57	52	56	0.9	No
R2289	GF	W	294237.1	1247793.1	Residential	65	61	54	60	61	55	60	68	63	66	69	64	68	62	55	62	1.2	No
R2289	F 1	W	294237.1	1247793.1	Residential	65	63	57	62	63	58	62	68	63	66	70	64	68	65	60	63	1.9	No
R2289	F 2	W	294237.1	1247793.1	Residential	65	64	60	62	65	61	62	68	63	66	69	64	68	67	64	64	2.5	Yes
R2289	F 3	W	294237.1	1247793.1	Residential	65	65	63	62	66	64	62	68	63	66	69	64	68	68	64	65	1.6	No
R2290	GF	NW	294237.9	1246338.9	Industrial	n/a	47	43	45	47	44	45	47	43	45	49	44	47	48	44	46	0.9	No
R2291	GF	W	294239.0	1247363.3	Residential	65	55	50	54	56	51	54	56	52	54	58	53	56	56	51	55	0.7	No
R2291	F 1	W	294239.0	1247363.3	Residential	65	58	53	56	58	54	56	59	55	57	61	56	59	59	54	58	0.8	No
R2293	GF	W	294240.0	1245950.2	Commercial	n/a	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R2294	GF	W	294240.8	1247816.0	Residential	65	61	53	60	61	54	60	68	63	66	69	64	68	62	54	62	1.3	No
R2294	F 1	W	294240.8	1247816.0	Residential	65	63	57	62	63	57	61	68	63	67	70	64	68	65	59	63	1.8	No
R2295	GF	S	294254.1	1247721.1	Residential	65	57	51	55	57	52	55	59	55	56	60	56	58	58	53	57	1.2	No
R2296	GF	S	294243.5	1247429.7	Residential	65	52	46	50	52	47	50	52	48	50	54	49	52	53	48	52	1.2	No
R2296	F 1	S	294243.5	1247429.7	Residential	65	55	49	54	55	50	54	57	53	54	58	54	56	56	50	55	1.1	No
R2297	GF	W	294244.4	1247486.7	Residential	65	54	48	52	54	49	52	58	54	55	59	55	57	55	49	54	1.0	No
R2297	F 1	W	294244.4	1247486.7	Residential	65	56	50	54	56	51	54	59	55	57	60	56	59	57	52	56	1.4	No
R2297	F 2	W	294244.4	1247486.7	Residential	65	58	52	56	58	53	56	61	57	59	63	58	60	60	55	58	1.5	No
R2299	GF	W	294245.9	1247137.4	Residential	65	56	52	54	57	53	54	57	53	55	59	54	57	58	53	56	1.0	No
R2299	F 1	W	294245.9	1247137.4	Residential	65	56	51	54	56	52	54	57	53	55	58	54	56	57	53	56	1.1	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2300	GF	W	294246.3	1247451.8	Residential	65	53	48	51	53	48	51	56	52	54	57	53	55	54	49	53	1.1	No
R2300	F 1	W	294246.3	1247451.8	Residential	65	55	50	54	56	51	54	59	55	56	60	56	58	57	52	55	1.2	No
R2301	GF	NE	294267.4	1246380.1	Industrial	n/a	49	45	46	49	45	47	49	45	47	50	46	48	50	46	48	1.0	No
R2304	GF	W	294250.4	1247545.2	Residential	65	55	49	53	55	50	53	58	54	56	60	55	58	56	50	55	0.9	No
R2305	GF	S	294261.7	1247743.6	Residential	65	56	50	55	56	51	54	58	54	56	60	55	58	57	52	56	1.1	No
R2306	GF	S	294256.7	1247682.3	Residential	65	56	51	55	56	52	54	59	55	56	60	56	58	57	52	56	1.1	No
R2307	GF	S	294260.5	1247785.5	Residential	65	54	49	53	55	49	53	59	55	57	61	56	59	56	50	54	1.1	No
R2307	F 1	S	294260.5	1247785.5	Residential	65	57	52	55	57	53	55	60	56	58	62	57	60	58	54	56	1.4	No
R2307	F 2	S	294260.5	1247785.5	Residential	65	58	53	55	58	54	55	61	57	59	63	58	61	60	56	57	1.9	No
R2307	F 3	S	294260.5	1247785.5	Residential	65	58	55	56	59	56	56	61	57	59	63	58	61	61	58	58	2.0	No
R2308	GF	W	294251.9	1247151.8	Residential	65	56	51	54	56	52	54	57	53	55	59	54	57	57	52	55	0.6	No
R2311	GF	W	294254.2	1247829.4	Residential	65	60	54	59	60	55	59	66	61	65	68	62	67	62	53	61	1.2	No
R2311	F 1	W	294254.2	1247829.4	Residential	65	62	56	60	62	57	60	67	61	65	68	62	67	63	57	62	1.3	No
R2312	GF	S	294259.6	1247125.2	Residential	65	56	52	54	57	53	54	56	52	54	58	53	56	58	53	56	1.0	No
R2312	F 1	S	294259.6	1247125.2	Residential	65	57	53	55	57	54	55	57	53	55	58	54	57	58	54	57	1.0	No
R2313	GF	N	294261.1	1247720.8	Residential	65	56	50	54	56	51	54	58	54	55	59	55	57	57	52	56	1.2	No
R2316	GF	W	294256.1	1247171.1	Residential	65	56	52	54	57	53	54	57	53	55	59	54	57	57	53	56	0.6	No
R2317	GF	W	294256.7	1247188.4	Residential	65	56	51	54	56	52	54	57	53	54	58	54	56	57	52	55	0.8	No
R2317	F 1	W	294256.7	1247188.4	Residential	65	57	53	55	58	54	55	59	55	56	60	56	58	59	54	57	0.9	No
R2318	GF	W	294256.8	1247953.1	Commercial	n/a	68	62	67	68	63	67	69	62	68	71	63	70	70	62	69	1.8	No
R2319	GF	W	294256.8	1247892.4	Residential	65	63	59	61	63	60	61	67	62	66	69	63	67	63	56	62	-0.7	No
R2319	F 1	W	294256.8	1247892.4	Residential	65	64	60	63	65	61	63	68	62	66	69	63	68	65	59	63	-0.2	No
R2319	F 2	W	294256.8	1247892.4	Residential	65	66	61	64	66	62	64	68	62	66	69	63	68	67	62	65	0.5	No
R2321	GF	W	294259.1	1247202.3	Residential	65	55	51	53	56	52	53	56	52	54	58	53	55	57	52	55	0.9	No
R2322	GF	W	294260.1	1247210.3	Residential	65	55	50	53	55	51	53	56	52	54	57	53	55	56	51	54	0.9	No
R2324	GF	SW	294260.7	1246199.1	Active recreation	65	49	44	47	49	45	47	49	44	47	50	45	49	50	45	49	1.0	No
R2325	GF	W	294261.1	1247507.0	Residential	65	53	48	52	54	49	52	56	52	54	58	53	56	55	49	53	1.1	No
R2325	F 1	W	294261.1	1247507.0	Residential	65	55	50	54	56	51	54	58	54	56	60	55	58	57	52	55	1.3	No
R2326	GF	W	294261.5	1246347.2	Industrial	n/a	46	42	44	46	43	44	46	42	44	47	42	45	47	42	45	0.9	No
R2326	F 1	W	294261.5	1246347.2	Industrial	n/a	51	46	49	51	47	49	51	47	49	52	48	50	52	48	50	0.9	No
R2327	GF	W	294263.8	1247588.8	Residential	65	56	51	55	56	52	55	58	54	56	59	55	57	58	52	56	1.2	No
R2328	GF	W	294263.8	1247227.2	Residential	65	55	50	53	55	51	53	56	52	54	57	53	55	56	51	54	1.0	No
R2328	F 1	W	294263.8	1247227.2	Residential	65	57	53	55	58	53	55	59	55	56	60	56	58	58	54	56	0.8	No
R2330	GF	W	294265.9	1247525.5	Residential	65	53	48	52	54	49	52	56	52	54	58	53	56	55	49	53	1.0	No
R2330	F 1	W	294265.9	1247525.5	Residential	65	56	50	54	56	51	55	59	55	56	60	56	58	57	52	56	1.2	No
R2331	GF	W	294266.1	1247243.4	Residential	65	54	50	53	55	51	53	56	52	53	57	53	55	56	51	54	0.9	No
R2331	F 1	W	294266.1	1247243.4	Residential	65	57	52	55	57	53	55	59	55	56	60	56	58	58	54	56	0.9	No
R2332	GF	W	294269.0	1247643.9	Residential	65	57	52	56	58	53	56	60	56	57	61	57	59	59	53	57	1.1	No
R2333	GF	W	294270.8	1247570.5	Residential	65	55	49	53	55	50	53	57	52	54	58	53	56	56	51	55	1.1	No
R2334	GF	N	294290.5	1245979.6	Commercial	n/a	47	42	45	47	43	45	47	42	45	48	43	47	48	43	47	1.0	No
R2335	GF	W	294272.9	1247282.6	Residential	65	54	49	52	54	50	52	55	51	52	56	52	54	55	50	53	0.9	No
R2335	F 1	W	294272.9	1247282.6	Residential	65	57	52	55	57	53	55	58	54	56	60	55	57	58	53	56	0.8	No
R2336	GF	W	294273.1	1247160.2	Residential	65	54	50	52	54	51	52	55	51	53	56	52	54	55	50	53	0.5	No
R2337	GF	S	294278.3	1247776.0	Residential	65	54	48	52	54	49	52	58	53	55	59	54	57	55	49	53	1.0	No
R2337	F 1	S	294278.3	1247776.0	Residential	65	56	51	55	57	52	55	60	56	57	61	57	59	58	53	56	1.3	No
R2337	F 2	S	294278.3	1247776.0	Residential	65	57	53	55	58	53	55	61	57	58	62	58	60	59	55	57	1.7	No
R2337	F 3	S	294278.3	1247776.0	Residential	65	58	54	55	58	55	55	61	57	59	63	58	61	60	57	57	2.2	No
R2338	GF	S	294280.5	1247744.0	Residential	65	55	49	53	55	50	53	56	52	54	58	53	56	56	51	55	1.0	No
R2339	GF	W	294274.0	1247604.1	Residential	65	56	51	55	57	52	55	58	54	56	60	55	58	58	52	56	1.2	No
R2339	F 1	W	294274.0	1247604.1	Residential	65	57	52	56	58	53	56	60	57	58	62	58	60	59	54	57	1.4	No
R2341	GF	W	294275.8	1247301.7	Residential	65	53	49	52	54	49	52	54	50	52	56	51	54	55	50	53	0.8	No
R2342	GF	N	294285.5	1247827.6	Residential	65	54	50	52	55	51	52	60	55	58	61	56	60	55	48	54	0.3	No
R2343	GF	W	294278.4	1247318.9	Residential	65	53	48	51	53	49	51	53	49	51	55	50	53	54	49	52	1.0	No
R2343	F 1	W	294278.4	1247318.9	Residential	65	56	51	54	56	52	54	57	53	55	59	54	57	57	52	55	0.7	No
R2348	GF	W	294282.2	1247630.4	Residential	65	55	50	54	56	51	54	58	53	55	59	54	57	57	51	55	1.2	No
R2349	GF	W	294285.1	1247336.4	Residential	65	52	47	50	52	47	50	52	48	50	54	49	52	53	48	51	1.0	No
R2350	GF	W	294283.3	1247665.1	Residential	65	56	51	55	57	52	55	59	55	57	60	56	58	58	52	56	1.1	No
R2350	F 1	W	294283.3	1247665.1	Residential	65	58	52	56	58	53	56	61	57	58	62	58	60	59	54	58	1.3	No
R2353	GF	W	294286.8	1247687.3	Residential	65	56	50	55	56	51	55	58	54	56	59	55	57	57	52	56	1.1	No
R2353	F 1	W	294286.8	1247687.3	Residential	65	57	52	56	58	53	56	60	57	58	62	57	59	59	54	57	1.1	No
R2354	GF	W	294287.1	1247358.0	Residential	65	52	47	50	52	48	50	53	49	51	54	50	52	53	48	52	1.0	No
R2356	GF	W	294288.9	1247381.4	Residential	65	52	47	50	52	48	50	53	49	50	54	50	52	53	48	52	0.9	No
R2356	F 1	W	294288.9	1247381.4	Residential	65	55	50	53	55	51	53	56	52	53	57	53	55	56	51	54	0.8	No
R2358	GF	S	294297.2	1247271.5	Residential	65	52	47	50	52	48	50	52	49	50	54	49	52	53	48	51	0.7	No
R2359	GF	W	294291.8	1247179.2	Residential	65	51	47	49	52	48	49	52	48	49	53	49	51	53	48	51	0.9	No
R2360	GF	W	294292.2	1247195.4	Residential	65	51	47	49	52	48	49	52	48	49	53	49	51	53	48	51	0.9	No
R2361	GF	S	294298.0	1247420.3	Residential	65	51	46	49	51	47	49	51	47	49	52	48	50	52	47	50	0.9	No
R2362	GF	W	294292.4	1247399.1	Residential	65	52	47	50	52	48	50	52	48	50	53	49	52	53	48	51	0.9	No
R2363	GF	W	294293.4	1247701.2	Residential	65	55	49	54	55	50	54	57	53	55	58	54	57	56	51	55	1.0	No
R2364	GF	S	294300.9	1247291.7	Residential	65	49	44	47	49	45	47	49	45	47	51	46	49	50	45	49	0.9	No
R2366	GF	NW	294295.3	1246425.0	Industrial	n/a	51	47	49	52	48	49	51	47	49	53	48	51	53	48	51	1.0	No
R2371	GF	W	294299.6	1247231.7	Residential	65	52	47	50	52	48	50	53	49	50	54	50	52	53	48	51	1.0	No
R2372	GF	W	294299.8	1247725.9	Residential	65	54	49	53	55	49	53	56	52	53	57	52	55	56	50	54	1.0	No
R2375	GF	W	294302.6	1247744.9	Residential	65	54	48	52	54	49	53	56	52	53	57	53	55	55	50	54	0.9	No
R2376	GF	N	294322.8	1245974.3	Commercial	n/a	46	41	44	47	42	44	46	42	44	48	43	46	48	43	46	1.0	No
R2378	GF	S	294307.8	1247859.3	Residential	65	53	48	51	53	49	51	59	54	58	61	55	59	55	48	54	1.7	No
R2378	F 1	S	294307.8	1247859.3	Residential	65	54	50	53	55	51	53	60	55	58	61	56	60	56	50	55	1.6	No
R2378	F 2	S	294307.8	1247859.3	Residential	65	55	51	54	56	51	54	60	55	58	62	56	60	57	52	56	1.8	No
R2380	GF	S	294310.7	1247269.4	Residential	65	51	46	49	52	47	50	52	48	50	54	49	52	53	48	51	0.9	No
R2381	GF	N	294315.3	1247438.3	Residential	65	50	45	48	50	46	48	52	48	49	53	49	51	51	46	50	1.1	No
R2381	F 1	N	294315.3	1247438.3	Residential	65	52	46	50	52	47	50	54	50	51	55	51	53	53	48	51	1.2	No
R2382	GF	W	294306.9	1247804.2	Residential	65	53	49	51	53	49	51	56	52	54	57	53	56	54	49	53	1.1	No
R2382	F 1	W	294306.9	1247804.2	Residential	65	55	51	54	56	51	53	58	54	56	60	55	58	57	52	55	1.1	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2382	F 2	W	294306.9	1247804.2	Residential	65	57	52	55	57	53	55	60	56	58	61	57	59	58	53	56	1.3	No
R2383	GF	W	294307.2	1247495.0	Residential	65	51	47	49	52	48	50	52	48	50	54	49	51	53	48	51	1.0	No
R2383	F 1	W	294307.2	1247495.0	Residential	65	54	49	53	55	50	53	56	52	53	57	53	55	56	51	54	1.1	No
R2384	GF	N	294316.9	1247300.9	Residential	65	50	45	48	50	46	48	50	46	48	52	47	50	51	46	49	1.0	No
R2385	GF	W	294310.0	1247480.1	Residential	65	51	47	50	52	47	50	53	49	50	54	50	52	53	48	51	1.1	No
R2387	GF	W	294312.0	1247518.0	Residential	65	52	47	50	52	48	50	52	48	50	53	49	51	53	48	51	1.0	No
R2387	F 1	W	294312.0	1247518.0	Residential	65	54	49	53	55	50	53	56	52	53	57	53	55	56	51	54	1.2	No
R2389	GF	W	294315.5	1247171.9	Residential	65	53	49	51	53	50	51	53	49	51	55	50	53	54	50	53	1.0	No
R2389	F 1	W	294315.5	1247171.9	Residential	65	55	51	53	56	52	53	56	52	54	57	53	55	57	52	55	1.0	No
R2390	GF	W	294317.4	1247541.1	Residential	65	51	47	49	52	47	49	52	48	50	54	49	52	53	48	51	1.1	No
R2392	GF	N	294328.3	1247232.4	Residential	65	48	44	46	49	45	46	49	45	47	50	46	48	50	45	48	0.8	No
R2392	F 1	N	294328.3	1247232.4	Residential	65	51	46	49	51	47	49	52	49	50	54	49	51	52	47	50	0.8	No
R2392	F 2	N	294328.3	1247232.4	Residential	65	52	47	50	53	48	50	54	51	52	56	52	53	53	48	52	0.8	No
R2393	GF	W	294318.4	1247357.8	Residential	65	51	46	49	51	47	49	52	48	49	53	49	51	52	47	50	1.0	No
R2393	F 1	W	294318.4	1247357.8	Residential	65	54	49	52	54	50	52	55	51	53	57	52	54	55	50	53	1.0	No
R2394	GF	S	294321.2	1247853.3	Residential	65	51	46	50	51	47	50	57	53	56	59	54	57	53	47	52	1.9	No
R2394	F 1	S	294321.2	1247853.3	Residential	65	53	48	51	53	49	51	58	53	56	59	54	58	55	49	53	1.8	No
R2394	F 2	S	294321.2	1247853.3	Residential	65	54	49	52	54	50	52	58	54	56	60	55	58	56	51	54	1.7	No
R2394	F 3	S	294321.2	1247853.3	Residential	65	55	50	53	55	51	53	59	54	57	60	55	59	57	53	55	1.6	No
R2395	GF	W	294319.4	1247558.5	Residential	65	51	47	50	52	48	50	53	49	50	54	50	52	53	48	51	1.0	No
R2396	GF	SW	294327.0	1246169.7	Active recreation	65	48	42	46	48	43	46	48	42	46	49	43	48	49	43	47	1.1	No
R2398	GF	W	294321.2	1247202.2	Residential	65	51	46	49	51	47	49	51	47	49	53	48	51	52	47	50	1.0	No
R2398	F 1	W	294321.2	1247202.2	Residential	65	55	50	53	55	51	53	56	52	53	57	53	55	56	51	54	1.0	No
R2399	GF	N	294333.0	1247428.9	Residential	65	50	45	48	50	46	48	50	46	48	52	47	50	51	46	50	1.2	No
R2400	GF	NW	294322.5	1246433.0	Industrial	n/a	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	0.8	No
R2402	GF	S	294328.4	1247787.4	Residential	65	51	46	49	51	47	49	52	48	50	54	50	52	52	48	50	1.1	No
R2402	F 1	S	294328.4	1247787.4	Residential	65	53	48	51	53	49	51	55	51	53	57	52	54	54	50	53	1.4	No
R2404	GF	W	294325.8	1247599.6	Residential	65	52	47	50	52	48	50	53	49	51	55	50	53	53	48	52	1.0	No
R2404	F 1	W	294325.8	1247599.6	Residential	65	54	49	52	54	49	52	56	52	53	57	53	55	55	50	54	1.2	No
R2405	GF	W	294326.2	1247578.4	Residential	65	52	47	51	52	48	51	53	49	51	55	50	53	54	48	52	1.2	No
R2405	F 1	W	294326.2	1247578.4	Residential	65	54	49	53	55	50	53	56	53	54	58	54	56	56	51	54	1.2	No
R2406	GF	N	294335.1	1247297.8	Residential	65	49	45	47	50	46	48	50	46	48	51	47	49	51	46	49	0.9	No
R2407	GF	W	294327.4	1247273.7	Residential	65	52	47	50	52	48	50	52	48	50	53	49	51	53	49	51	1.0	No
R2407	F 1	W	294327.4	1247273.7	Residential	65	55	51	53	55	51	53	56	53	54	58	54	56	56	52	54	0.9	No
R2409	GF	W	294329.9	1247618.8	Residential	65	52	47	50	52	48	50	54	50	52	55	51	53	54	49	52	1.2	No
R2411	GF	W	294332.5	1247638.9	Residential	65	53	48	51	53	48	51	54	50	51	55	51	53	54	49	52	1.1	No
R2411	F 1	W	294332.5	1247638.9	Residential	65	54	49	53	55	50	53	57	53	54	58	54	56	56	51	54	1.2	No
R2411	F 2	W	294332.5	1247638.9	Residential	65	55	50	53	56	51	53	58	55	55	59	56	57	57	52	55	1.3	No
R2412	GF	W	294333.1	1247408.0	Residential	65	51	47	49	51	48	49	51	47	49	53	48	51	52	48	50	0.8	No
R2413	GF	W	294334.2	1247309.9	Residential	65	51	47	50	52	48	50	52	48	50	54	49	52	53	48	51	1.1	No
R2414	GF	W	294334.3	1247778.1	Residential	65	51	47	49	52	48	49	54	50	51	55	51	53	53	48	51	1.2	No
R2415	GF	NW	294335.6	1246464.9	Industrial	n/a	52	48	50	52	49	50	52	48	50	53	49	51	53	49	51	0.8	No
R2416	GF	W	294335.0	1247651.4	Residential	65	53	48	51	53	49	51	55	51	52	56	52	54	54	49	52	1.2	No
R2416	F 1	W	294335.0	1247651.4	Residential	65	54	49	52	54	50	53	57	53	54	58	54	56	56	51	54	1.2	No
R2416	F 2	W	294335.0	1247651.4	Residential	65	55	50	53	55	51	53	58	54	55	59	55	57	57	52	55	1.3	No
R2417	GF	N	294345.1	1247902.6	Residential	65	50	44	49	51	45	49	50	44	49	52	45	50	52	45	50	0.9	No
R2417	F 1	N	294345.1	1247902.6	Residential	65	52	46	51	53	47	51	52	46	51	54	47	53	54	47	53	1.2	No
R2417	F 2	N	294345.1	1247902.6	Residential	65	54	48	53	54	48	53	54	48	53	55	49	54	55	49	54	1.3	No
R2418	GF	N	294345.3	1247435.2	Residential	65	49	44	47	50	45	47	51	47	49	52	48	50	51	46	49	1.0	No
R2418	F 1	N	294345.3	1247435.2	Residential	65	52	47	50	53	48	51	54	50	52	55	51	53	54	49	52	1.0	No
R2421	GF	W	294339.8	1247690.9	Residential	65	52	47	50	52	48	50	53	49	51	54	50	52	53	48	51	0.9	No
R2421	F 1	W	294339.8	1247690.9	Residential	65	54	49	52	54	50	52	56	52	53	57	53	55	55	51	53	1.1	No
R2422	GF	N	294347.9	1247822.6	Residential	65	49	44	47	50	45	47	55	50	53	56	51	55	51	45	50	1.5	No
R2423	GF	W	294340.3	1246746.3	Active recreation	65	56	52	54	56	53	54	56	52	54	58	53	56	57	53	55	1.0	No
R2425	GF	W	294341.7	1247676.5	Residential	65	53	48	51	53	48	51	54	50	52	55	51	53	54	49	52	1.1	No
R2425	F 1	W	294341.7	1247676.5	Residential	65	54	49	52	55	50	52	56	53	54	58	54	55	56	51	54	1.2	No
R2426	GF	W	294344.9	1247378.0	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	52	47	50	0.9	No
R2427	GF	N	294353.2	1247315.3	Residential	65	50	45	48	50	46	48	50	46	48	52	47	50	51	46	49	0.9	No
R2428	GF	W	294351.7	1247468.2	Residential	65	49	45	48	50	46	48	51	47	49	52	48	51	51	46	49	0.9	No
R2429	GF	S	294352.8	1247262.7	Residential	65	50	45	48	50	46	48	51	47	48	52	48	50	51	46	49	0.8	No
R2429	F 1	S	294352.8	1247262.7	Residential	65	52	47	50	52	48	50	53	49	51	55	50	52	53	49	51	0.9	No
R2430	GF	W	294346.3	1247732.8	Residential	65	51	47	49	51	47	49	52	49	50	54	49	51	52	48	51	1.0	No
R2430	F 1	W	294346.3	1247732.8	Residential	65	53	49	52	54	50	52	55	52	53	57	53	55	55	50	53	1.0	No
R2432	GF	W	294346.6	1247713.0	Residential	65	51	47	50	52	48	50	52	48	50	54	49	52	53	48	51	0.8	No
R2436	GF	N	294360.2	1247899.6	Residential	65	49	43	48	50	44	48	49	43	48	51	44	49	51	44	49	1.0	No
R2436	F 1	N	294360.2	1247899.6	Residential	65	51	44	50	51	45	50	51	45	50	53	46	52	52	45	51	1.2	No
R2437	GF	S	294354.4	1247853.1	Residential	65	48	44	47	49	45	47	53	48	51	54	49	53	50	45	49	1.8	No
R2437	F 1	S	294354.4	1247853.1	Residential	65	51	46	49	51	47	49	54	49	52	55	50	54	53	48	51	1.4	No
R2440	GF	S	294359.3	1247803.7	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	1.0	No
R2440	F 1	S	294359.3	1247803.7	Residential	65	52	47	50	53	48	50	54	50	51	55	51	53	54	49	52	1.3	No
R2442	GF	S	294357.2	1247633.8	Residential	65	47	42	45	47	43	45	47	43	44	48	44	46	48	44	46	1.0	No
R2443	GF	S	294361.5	1247540.1	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	45	49	0.9	No
R2444	GF	N	294361.8	1247430.7	Residential	65	49	44	47	49	45	47	50	47	48	52	48	50	50	45	48	1.1	No
R2444	F 1	N	294361.8	1247430.7	Residential	65	52	47	50	53	48	50	54	50	52	55	51	53	54	49	52	1.1	No
R2447	GF	W	294358.3	1247287.5	Residential	65	49	45	47	50	46	47	50	46	48	52	47	49	51	46	49	1.2	No
R2448	GF	S	294365.7	1247464.2	Residential	65	48	43	46	48	44	46	50	45	47	51	46	49	49	44	47	1.0	No
R2448	F 1	S	294365.7	1247464.2	Residential	65	52	47	50	52	48	49	53	49	50	54	50	52	53	48	51	1.0	No
R2449	GF	N	294367.1	1247312.8	Residential	65	49	44	47	49	45	47	50	46	48	51	47	49	50	45	49	1.0	No
R2450	GF	W	294360.1	1247386.6	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	52	47	50	0.9	No
R2451	GF	W	294361.1	1247929.6	Residential	65	51	45	50	52	46	50	51	45	50	52	46	51	53	46	51	1.0	No
R2451	F 1	W	294361.1	1247929.6	Residential	65	53	47	52	53	48	52	53	47	52	55	48	53	54	47	53	1.1	No
R2451	F 2	W	294361.1	1247929.6	Residential	65	55	49	53	55	50	53	55	49	53	56	50	55	56	49	55	1.0	No
R2451	F 3	W	294361.1	1247929.6	Residential	65	56	50	54	56	51	54	56	51	55	58	52	56	57	51	56	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2452	GF	W	294361.1	1247372.0	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	52	47	50	0.9	No
R2453	GF	S	294370.2	1247599.3	Residential	65	50	45	48	50	46	48	50	47	48	52	48	50	51	46	49	0.8	No
R2454	GF	S	294367.5	1247212.4	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.1	No
R2454	F 1	S	294367.5	1247212.4	Residential	65	52	47	49	52	48	49	51	47	49	53	48	51	53	48	51	0.8	No
R2455	GF	N	294366.4	1247700.8	Residential	65	48	43	46	49	44	46	49	46	47	51	47	49	49	45	48	0.9	No
R2457	GF	W	294363.5	1247342.8	Residential	65	50	46	48	51	47	48	51	47	49	52	48	50	52	47	50	1.0	No
R2457	F 1	W	294363.5	1247342.8	Residential	65	53	49	51	54	50	51	54	51	52	56	52	54	55	50	53	0.9	No
R2457	F 2	W	294363.5	1247342.8	Residential	65	55	50	53	55	51	53	56	53	54	58	54	55	56	51	54	0.9	No
R2458	GF	W	294363.6	1247714.9	Residential	65	48	44	47	49	45	47	49	45	46	50	46	48	50	45	48	0.9	No
R2459	GF	NW	294364.0	1246121.7	Active recreation	65	48	43	46	48	44	46	48	44	46	50	45	48	49	44	48	0.9	No
R2460	GF	S	294379.3	1247617.8	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	0.9	No
R2461	GF	S	294368.3	1247849.7	Residential	65	49	44	47	49	45	47	54	49	52	55	50	53	51	45	49	1.7	No
R2461	F 1	S	294368.3	1247849.7	Residential	65	51	47	49	51	47	49	55	50	53	56	51	54	53	48	51	1.5	No
R2461	F 2	S	294368.3	1247849.7	Residential	65	52	48	50	53	49	50	55	51	53	57	52	55	54	50	52	1.5	No
R2463	GF	S	294370.2	1247769.6	Residential	65	50	45	48	50	46	48	53	49	50	54	50	52	52	47	50	1.1	No
R2463	F 1	S	294370.2	1247769.6	Residential	65	53	48	51	53	49	51	55	52	53	57	53	54	54	50	53	1.2	No
R2464	GF	N	294372.2	1247430.6	Residential	65	49	44	47	49	45	47	50	46	48	52	47	49	50	45	48	1.0	No
R2464	F 1	N	294372.2	1247430.6	Residential	65	50	45	49	51	46	49	52	49	50	54	50	52	52	47	50	1.2	No
R2465	GF	W	294366.4	1247320.6	Residential	65	51	46	49	51	47	49	52	48	50	53	49	51	52	47	50	1.0	No
R2465	F 1	W	294366.4	1247320.6	Residential	65	54	49	52	54	50	52	55	51	53	56	52	54	55	50	53	0.9	No
R2468	GF	S	294372.9	1247256.2	Residential	65	50	46	48	51	47	48	51	47	49	52	48	50	52	47	50	1.0	No
R2470	GF	N	294376.5	1247290.5	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.0	No
R2470	F 1	N	294376.5	1247290.5	Residential	65	50	45	48	50	46	48	51	47	48	52	48	50	51	46	49	1.0	No
R2471	GF	N	294377.5	1247814.2	Residential	65	48	43	46	48	44	46	53	48	51	54	49	52	49	44	48	1.5	No
R2471	F 1	N	294377.5	1247814.2	Residential	65	51	47	49	52	48	49	55	51	53	57	52	55	53	48	51	1.5	No
R2473	GF	W	294371.9	1247187.6	Residential	65	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R2473	F 1	W	294371.9	1247187.6	Residential	65	54	49	52	54	50	51	54	49	51	55	50	53	55	50	53	0.9	No
R2475	GF	N	294378.0	1247701.0	Residential	65	48	43	46	48	44	46	48	44	45	49	45	47	49	44	47	1.0	No
R2476	GF	S	294377.1	1247462.2	Residential	65	48	43	46	48	44	46	49	45	47	51	46	49	49	44	47	1.0	No
R2476	F 1	S	294377.1	1247462.2	Residential	65	51	47	49	52	48	49	53	49	50	54	50	52	53	48	51	1.0	No
R2477	GF	W	294373.9	1247728.2	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	45	48	1.0	No
R2477	F 1	W	294373.9	1247728.2	Residential	65	51	47	49	52	48	49	53	49	50	54	50	52	53	48	51	1.0	No
R2477	F 2	W	294373.9	1247728.2	Residential	65	54	49	52	54	50	52	56	53	53	57	54	55	55	51	53	1.1	No
R2478	GF	W	294373.9	1247951.7	Residential	65	50	44	49	51	45	49	50	45	49	52	46	51	52	46	51	1.3	No
R2478	F 1	W	294373.9	1247951.7	Residential	65	52	46	51	52	46	51	52	46	51	54	47	52	53	46	52	1.1	No
R2478	F 2	W	294373.9	1247951.7	Residential	65	53	47	52	53	47	52	53	47	52	55	48	54	54	47	53	1.1	No
R2478	F 3	W	294373.9	1247951.7	Residential	65	54	48	53	55	49	53	54	49	53	56	50	55	56	49	55	1.0	No
R2479	GF	N	294381.2	1247310.1	Residential	65	46	41	44	47	42	44	47	43	45	48	44	47	47	42	46	0.7	No
R2482	GF	W	294379.9	1247768.9	Residential	65	50	45	48	50	46	48	53	49	50	54	50	52	51	47	50	1.0	No
R2482	F 1	W	294379.9	1247768.9	Residential	65	53	48	51	53	49	51	55	52	53	57	53	54	54	50	52	1.3	No
R2484	GF	W	294378.6	1247569.8	Residential	65	50	45	48	50	46	48	51	47	48	52	48	50	51	46	49	1.0	No
R2485	GF	S	294382.4	1247843.4	Residential	65	48	43	46	48	44	46	52	48	50	53	49	52	50	44	48	1.4	No
R2485	F 1	S	294382.4	1247843.4	Residential	65	50	46	48	51	47	48	54	49	52	55	50	53	52	48	50	1.4	No
R2485	F 2	S	294382.4	1247843.4	Residential	65	52	48	50	52	49	50	55	51	53	56	52	54	54	49	52	1.4	No
R2486	GF	W	294379.4	1247215.6	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R2488	GF	N	294404.3	1247969.8	Residential	65	49	43	48	49	44	48	49	44	48	51	45	49	51	45	49	1.5	No
R2488	F 1	N	294404.3	1247969.8	Residential	65	50	44	48	50	45	48	50	44	49	52	45	50	52	45	50	1.5	No
R2488	F 2	N	294404.3	1247969.8	Residential	65	50	44	49	51	45	49	50	45	49	52	46	51	52	46	51	1.4	No
R2488	F 3	N	294404.3	1247969.8	Residential	65	52	46	51	52	47	51	52	47	50	54	48	52	54	48	52	1.4	No
R2490	GF	W	294382.6	1247355.0	Residential	65	49	44	47	49	45	47	49	45	47	51	46	49	50	45	48	1.1	No
R2491	GF	N	294391.0	1247812.5	Residential	65	46	42	45	47	42	45	52	47	50	53	48	52	48	42	47	1.6	No
R2491	F 1	N	294391.0	1247812.5	Residential	65	50	46	48	50	46	48	54	49	52	55	50	54	52	47	50	1.5	No
R2492	GF	W	294383.5	1247958.5	Residential	65	51	44	49	51	45	49	51	44	49	52	45	51	52	45	51	1.3	No
R2492	F 1	W	294383.5	1247958.5	Residential	65	52	45	51	52	46	51	52	45	51	53	46	52	53	46	52	1.0	No
R2492	F 2	W	294383.5	1247958.5	Residential	65	53	47	52	53	48	52	53	47	52	54	48	53	54	47	53	1.0	No
R2492	F 3	W	294383.5	1247958.5	Residential	65	54	49	53	55	50	53	54	49	53	56	50	55	56	49	55	1.0	No
R2494	GF	W	294384.1	1247385.0	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	1.0	No
R2494	F 1	W	294384.1	1247385.0	Residential	65	52	47	50	53	48	50	53	49	51	54	50	52	53	49	52	0.9	No
R2495	GF	N	294390.9	1247428.8	Residential	65	48	43	46	48	44	46	50	46	47	51	47	49	49	45	47	1.0	No
R2495	F 1	N	294390.9	1247428.8	Residential	65	51	46	49	51	47	49	53	49	50	54	50	52	52	48	50	1.1	No
R2496	GF	W	294384.3	1247370.4	Residential	65	49	45	47	49	46	47	50	46	47	51	47	49	50	46	48	1.0	No
R2500	GF	S	294395.9	1247461.0	Residential	65	47	43	46	48	44	45	49	45	46	50	46	48	49	44	47	1.0	No
R2500	F 1	S	294395.9	1247461.0	Residential	65	50	46	48	51	47	48	52	48	49	53	49	51	52	47	50	1.0	No
R2505	GF	W	294393.7	1247404.1	Residential	65	49	44	47	49	45	47	49	45	47	51	46	49	50	45	48	0.9	No
R2506	GF	S	294397.5	1247842.2	Residential	65	47	42	45	47	43	45	50	46	48	51	47	49	48	43	47	1.4	No
R2506	F 1	S	294397.5	1247842.2	Residential	65	50	46	48	51	47	48	53	49	51	54	50	52	52	48	50	1.4	No
R2506	F 2	S	294397.5	1247842.2	Residential	65	52	48	50	52	49	50	54	51	52	56	52	54	54	49	52	1.5	No
R2507	GF	S	294401.8	1247758.6	Residential	65	48	44	46	49	45	46	50	47	48	52	48	49	50	45	48	0.9	No
R2507	F 1	S	294401.8	1247758.6	Residential	65	51	46	48	51	47	49	53	49	50	54	50	52	52	48	50	1.0	No
R2508	GF	N	294408.3	1247425.9	Residential	65	47	43	45	48	44	46	49	45	47	51	46	48	49	44	47	1.1	No
R2508	F 1	N	294408.3	1247425.9	Residential	65	49	44	48	50	45	48	51	48	49	53	49	50	51	46	49	1.1	No
R2509	GF	S	294406.5	1247206.0	Residential	65	53	48	50	53	49	50	52	48	50	54	49	52	54	49	52	0.8	No
R2510	GF	NW	294397.5	1245992.2	Active recreation	65	47	43	45	48	44	46	48	43	45	49	44	47	49	44	47	1.0	No
R2512	GF	S	294404.4	1247175.4	Residential	65	53	49	51	53	50	51	53	49	51	54	50	52	54	50	52	1.0	No
R2512	F 1	S	294404.4	1247175.4	Residential	65	54	49	51	54	50	51	54	50	51	55	51	53	55	50	53	1.0	No
R2513	GF	N	294408.1	1247809.7	Residential	65	45	41	44	46	41	44	51	46	49	52	47	51	48	42	46	2.0	No
R2513	F 1	N	294408.1	1247809.7	Residential	65	47	42	45	47	43	45	52	47	50	53	48	52	49	43	48	2.0	No
R2516	GF	S	294411.7	1247718.2	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R2519	GF	S	294412.7	1247457.2	Residential	65	48	43	46	48	44	46	49	46	47	51	46	49	49	44	47	0.9	No
R2521	GF	W	294407.5	1247485.5	Residential	65	49	44	47	49	45	47	49	46	47	51	47	49	50	45	48	0.9	No
R2522	GF	S	294412.8	1247839.6	Residential	65	47	42	45	47	43	45	50	46	48	51	47	50	48	43	47	1.3	No
R2522	F 1	S	294412.8	1247839.6	Residential	65	49	45	47	49	46	47	52	48	50	54	49	52	51	46	49	1.5	No
R2522	F 2	S	294412.8	1247839.6	Residential	65	51	47	49	52	48	49	54	50	52	56	51	53	53	48	51	1.4	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2523	GF	W	294409.2	1247544.5	Residential	65	49	45	47	50	46	47	50	46	48	51	47	49	51	46	49	1.1	No
R2524	GF	W	294410.1	1247519.9	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	1.1	No
R2525	GF	N	294421.2	1247977.8	Residential	65	48	42	46	48	43	46	48	43	46	50	44	48	50	44	48	1.5	No
R2525	F 1	N	294421.2	1247977.8	Residential	65	49	43	47	49	44	47	49	44	47	50	45	49	50	45	49	1.4	No
R2525	F 2	N	294421.2	1247977.8	Residential	65	49	43	47	49	44	47	49	44	48	51	45	49	51	45	49	1.4	No
R2525	F 3	N	294421.2	1247977.8	Residential	65	50	44	48	50	45	48	50	45	48	51	46	50	51	46	50	1.5	No
R2526	GF	W	294412.4	1247254.0	Residential	65	51	47	49	51	47	49	51	47	49	53	48	51	52	48	50	1.0	No
R2528	GF	W	294413.0	1247270.4	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	0.9	No
R2529	GF	W	294413.2	1247560.7	Residential	65	50	46	48	50	46	48	51	47	48	52	48	50	51	47	49	1.0	No
R2529	F 1	W	294413.2	1247560.7	Residential	65	52	48	50	53	48	50	53	50	51	55	51	52	54	49	52	1.0	No
R2529	F 2	W	294413.2	1247560.7	Residential	65	54	49	52	54	50	52	55	52	53	57	53	54	55	50	53	1.0	No
R2530	GF	W	294413.8	1247691.1	Residential	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	49	1.0	No
R2533	GF	W	294414.8	1247196.9	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	0.9	No
R2535	GF	W	294417.1	1247581.5	Residential	65	51	46	49	51	47	49	52	48	49	53	49	51	52	47	50	1.0	No
R2536	GF	W	294417.5	1247295.4	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	52	47	50	0.9	No
R2536	F 1	W	294417.5	1247295.4	Residential	65	53	48	51	53	49	51	53	50	51	55	50	53	54	49	52	1.0	No
R2538	GF	S	294427.2	1247754.1	Residential	65	48	44	46	49	45	46	49	46	47	51	47	49	50	45	48	0.9	No
R2538	F 1	S	294427.2	1247754.1	Residential	65	51	47	49	51	48	49	52	48	49	53	49	51	52	48	50	0.9	No
R2540	GF	W	294418.9	1247211.3	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	47	1.0	No
R2540	F 1	W	294418.9	1247211.3	Residential	65	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.0	No
R2541	GF	W	294419.5	1247310.7	Residential	65	50	46	48	50	47	48	50	46	48	52	47	50	51	47	49	1.0	No
R2541	F 1	W	294419.5	1247310.7	Residential	65	52	48	50	53	49	50	53	49	51	55	50	52	54	49	52	1.1	No
R2542	GF	W	294419.8	1247601.6	Residential	65	51	46	49	51	47	49	51	47	49	53	48	51	52	47	50	0.9	No
R2542	F 1	W	294419.8	1247601.6	Residential	65	53	48	51	53	49	50	53	50	51	55	51	53	54	49	52	0.8	No
R2543	GF	S	294429.0	1247176.1	Residential	65	53	49	51	53	50	50	53	49	51	54	50	52	54	50	52	1.0	No
R2543	F 1	S	294429.0	1247176.1	Residential	65	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.0	No
R2544	GF	W	294420.6	1247333.1	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R2544	F 1	W	294420.6	1247333.1	Residential	65	52	47	50	52	48	50	52	48	50	54	49	51	53	48	51	0.9	No
R2545	GF	W	294421.7	1247662.5	Residential	65	50	46	48	50	47	48	50	46	48	52	47	50	51	47	49	0.9	No
R2548	GF	S	294431.0	1247836.1	Residential	65	46	42	44	47	43	44	50	46	48	52	47	50	48	43	47	1.5	No
R2549	GF	NW	294430.6	1245985.8	Active recreation	65	46	42	44	46	43	44	46	42	44	48	43	46	47	43	45	0.9	No
R2550	GF	W	294426.6	1247646.0	Residential	65	50	45	48	50	46	48	50	46	48	51	47	49	51	47	49	1.0	No
R2551	GF	N	294436.2	1247984.6	Residential	65	47	42	46	48	43	46	48	42	46	49	43	48	49	43	48	1.4	No
R2551	F 1	N	294436.2	1247984.6	Residential	65	48	43	47	48	44	47	49	43	47	50	44	49	50	44	49	1.7	No
R2551	F 2	N	294436.2	1247984.6	Residential	65	49	43	47	49	44	47	49	43	48	50	44	49	50	44	49	1.5	No
R2552	GF	S	294431.0	1247716.8	Residential	65	47	43	45	48	44	45	47	44	45	49	45	47	49	44	46	0.9	No
R2553	GF	W	294431.6	1247373.7	Residential	65	48	44	46	48	45	46	48	44	46	50	45	48	50	45	48	1.1	No
R2555	GF	W	294427.3	1247702.8	Residential	65	49	44	47	49	45	47	49	45	47	50	46	48	50	45	48	0.9	No
R2556	GF	NW	294460.7	1246518.5	Industrial	n/a	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R2556	F 1	NW	294460.7	1246518.5	Industrial	n/a	51	47	49	51	48	49	51	47	49	53	48	51	52	48	50	0.9	No
R2557	GF	W	294427.9	1247617.1	Residential	65	49	45	47	50	46	48	50	46	48	51	47	49	51	46	49	0.9	No
R2561	GF	W	294432.7	1247679.2	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	1.0	No
R2562	GF	N	294444.6	1247214.0	Residential	65	44	39	42	44	40	42	44	40	42	46	41	44	45	40	43	0.9	No
R2562	F 1	N	294444.6	1247214.0	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	0.9	No
R2563	GF	S	294439.8	1247249.3	Residential	65	51	47	49	51	48	49	51	47	49	53	48	51	52	48	50	1.0	No
R2563	F 1	S	294439.8	1247249.3	Residential	65	52	48	50	52	49	50	52	48	50	54	49	52	53	49	51	1.0	No
R2564	GF	N	294443.7	1247338.0	Residential	65	46	42	44	46	43	44	47	43	44	48	44	46	47	43	45	1.1	No
R2564	F 1	N	294443.7	1247338.0	Residential	65	47	42	46	48	43	46	49	45	46	50	46	48	49	44	47	1.2	No
R2565	GF	W	294435.2	1247400.3	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	1.0	No
R2566	GF	N	294458.9	1247871.9	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2566	F 1	N	294458.9	1247871.9	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2566	F 2	N	294458.9	1247871.9	Residential	65	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.9	No
R2566	F 3	N	294458.9	1247871.9	Residential	65	46	41	45	47	42	45	46	41	44	48	42	46	48	42	46	1.2	No
R2567	GF	W	294437.3	1247916.8	Residential	65	43	39	40	43	40	40	43	39	40	44	40	42	44	40	42	0.8	No
R2567	F 1	W	294437.3	1247916.8	Residential	65	45	41	43	46	42	43	44	41	42	46	42	44	46	42	44	0.7	No
R2568	GF	W	294438.0	1247416.1	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	46	48	1.1	No
R2570	GF	S	294444.4	1247944.2	Residential	65	41	38	39	42	39	39	41	38	39	43	39	41	43	39	41	1.1	No
R2570	F 1	S	294444.4	1247944.2	Residential	65	44	40	42	45	41	42	43	40	41	45	41	43	45	41	43	0.7	No
R2571	GF	S	294446.8	1247713.7	Residential	65	47	43	45	47	44	45	47	44	45	49	45	46	48	44	46	0.9	No
R2571	F 1	S	294446.8	1247713.7	Residential	65	51	47	49	52	48	49	52	49	50	54	50	51	53	49	51	1.1	No
R2572	GF	W	294439.9	1247729.3	Residential	65	47	42	45	47	43	45	48	44	46	50	45	47	48	43	46	0.9	No
R2572	F 1	W	294439.9	1247729.3	Residential	65	51	47	49	51	48	49	52	48	49	53	49	51	52	48	50	0.9	No
R2573	GF	S	294448.5	1247367.8	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	42	45	1.0	No
R2575	GF	S	294453.6	1247752.3	Residential	65	46	42	44	46	43	44	46	43	44	48	44	45	47	43	45	0.8	No
R2575	F 1	S	294453.6	1247752.3	Residential	65	48	44	46	48	45	46	49	45	46	50	46	48	49	45	47	0.9	No
R2575	F 2	S	294453.6	1247752.3	Residential	65	51	47	49	52	48	49	52	49	50	54	50	52	53	49	51	0.9	No
R2575	F 3	S	294453.6	1247752.3	Residential	65	52	48	50	52	49	50	54	50	51	55	51	53	53	49	51	1.0	No
R2576	GF	NE	294450.4	1245972.3	Active recreation	65	45	41	43	45	42	43	45	41	43	47	42	45	46	42	44	1.0	No
R2578	GF	N	294460.0	1247800.2	Residential	65	44	39	42	44	40	42	49	44	47	50	45	49	46	40	45	1.7	No
R2578	F 1	N	294460.0	1247800.2	Residential	65	46	41	44	46	42	44	50	45	48	51	46	50	48	42	46	1.6	No
R2578	F 2	N	294460.0	1247800.2	Residential	65	47	42	45	47	43	45	50	46	49	52	47	50	48	43	47	1.6	No
R2578	F 3	N	294460.0	1247800.2	Residential	65	47	43	46	48	44	46	51	46	49	52	47	51	49	44	48	1.5	No
R2579	GF	W	294444.4	1247850.2	Residential	65	46	42	44	46	43	44	45	42	43	47	43	45	47	43	45	0.8	No
R2580	GF	W	294445.5	1247456.7	Residential	65	48	44	46	49	44	46	49	45	47	51	46	49	50	45	48	1.1	No
R2581	GF	N	294454.2	1247989.3	Residential	65	47	42	45	47	43	45	47	42	45	48	43	47	48	43	47	1.4	No
R2581	F 1	N	294454.2	1247989.3	Residential	65	48	43	46	48	44	46	48	43	47	50	44	48	50	44	48	1.4	No
R2583	GF	W	294447.9	1247478.1	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	46	49	1.1	No
R2584	GF	N	294451.2	1245997.1	Active recreation	65	47	42	45	47	43	45	47	43	45	48	44	47	48	43	46	0.9	No
R2586	GF	S	294459.7	1247168.3	Residential	65	53	49	50	53	50	50	53	49	50	54	50	52	54	50	52	1.0	No
R2586	F 1	S	294459.7	1247168.3	Residential	65	53	49	51	53	50	51	53	49	51	54	50	52	54	50	52	0.9	No
R2587	GF	N	294459.3	1247332.5	Residential	65	45	41	43	45	42	43	46	42	43	47	43	45	46	42	44	1.0	No
R2587	F 1	N	294459.3	1247332.5	Residential	65	47	42	45	47	43	45	48	45	46	50	46	48	48	44	47	1.1	No
R2589	GF	S	294457.3	1247244.3	Residential	65	49	44	47	49	45	47	49	45	47	50	46	48	50	45	48	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2590	GF	E	294474.4	1247846.7	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R2592	GF	W	294452.9	1247497.1	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	46	48	1.1	No
R2592	F 1	W	294452.9	1247497.1	Residential	65	51	46	49	51	47	49	52	49	50	54	49	51	52	48	50	1.1	No
R2594	GF	W	294453.1	1247928.8	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.9	No
R2594	F 1	W	294453.1	1247928.8	Residential	65	45	41	43	46	42	43	45	41	42	46	42	44	46	42	45	0.7	No
R2594	F 2	W	294453.1	1247928.8	Residential	65	47	43	45	48	44	45	47	43	45	48	44	46	49	44	47	1.0	No
R2595	GF	S	294463.5	1247828.5	Residential	65	45	41	43	46	42	44	49	45	47	51	46	49	47	42	45	1.3	No
R2599	GF	W	294456.3	1247199.9	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R2599	F 1	W	294456.3	1247199.9	Residential	65	51	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R2601	GF	W	294457.3	1247958.2	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.9	No
R2601	F 1	W	294457.3	1247958.2	Residential	65	46	41	44	46	42	44	45	41	43	46	42	44	47	42	45	0.9	No
R2603	GF	N	294466.9	1247379.2	Residential	65	45	41	43	46	42	43	46	42	44	47	43	45	47	43	45	1.2	No
R2603	F 1	N	294466.9	1247379.2	Residential	65	48	43	46	48	44	46	50	46	47	51	47	49	49	45	48	1.1	No
R2607	GF	W	294459.4	1247514.4	Residential	65	49	44	47	49	45	47	50	46	47	51	47	49	50	46	48	1.1	No
R2607	F 1	W	294459.4	1247514.4	Residential	65	51	46	49	51	47	49	52	49	50	54	50	52	52	48	50	1.0	No
R2607	F 2	W	294459.4	1247514.4	Residential	65	53	48	51	53	49	51	54	51	52	56	52	53	54	50	52	1.0	No
R2609	GF	W	294461.0	1247553.9	Residential	65	49	45	47	49	46	47	49	45	47	51	46	49	50	46	48	0.9	No
R2609	F 1	W	294461.0	1247553.9	Residential	65	51	47	49	52	48	49	52	48	49	53	49	51	52	48	50	0.8	No
R2609	F 2	W	294461.0	1247553.9	Residential	65	53	48	51	53	49	51	54	50	51	55	51	53	54	50	52	0.9	No
R2611	GF	N	294470.2	1247413.5	Residential	65	46	42	44	47	43	44	47	43	45	48	44	46	48	43	46	1.1	No
R2612	GF	W	294462.6	1247941.9	Residential	65	43	39	41	43	40	40	42	39	40	44	40	42	44	40	42	0.7	No
R2612	F 1	W	294462.6	1247941.9	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	0.7	No
R2613	GF	N	294466.5	1247991.3	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2613	F 1	N	294466.5	1247991.3	Residential	65	47	42	46	48	43	45	47	43	45	49	44	47	49	44	47	1.1	No
R2614	GF	S	294473.9	1247241.6	Residential	65	48	43	46	48	44	46	48	44	46	49	45	47	49	44	47	1.0	No
R2615	GF	W	294464.9	1247575.7	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	0.9	No
R2615	F 1	W	294464.9	1247575.7	Residential	65	52	47	50	52	48	50	53	49	50	54	50	52	53	49	51	0.9	No
R2616	GF	W	294465.0	1247880.1	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	44	40	42	0.8	No
R2618	GF	S	294474.4	1247314.7	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R2618	F 1	S	294474.4	1247314.7	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.1	No
R2619	GF	W	294465.7	1247894.8	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2622	GF	N	294471.1	1247457.7	Residential	65	47	43	45	47	44	45	48	44	45	49	45	47	48	44	46	1.1	No
R2624	GF	W	294467.4	1247532.2	Residential	65	48	44	46	49	44	46	49	45	47	50	46	48	50	45	48	0.9	No
R2625	GF	S	294476.6	1247276.0	Residential	65	47	42	45	47	43	45	47	43	45	49	44	47	48	44	46	1.0	No
R2625	F 1	S	294476.6	1247276.0	Residential	65	51	47	49	51	48	49	51	47	49	53	48	51	52	48	50	0.9	No
R2628	GF	W	294474.6	1247608.9	Residential	65	50	46	47	50	47	47	50	46	47	51	47	49	51	47	49	0.9	No
R2628	F 1	W	294474.6	1247608.9	Residential	65	52	47	50	52	48	50	53	49	50	54	50	52	53	49	51	0.9	No
R2629	GF	W	294472.2	1247594.3	Residential	65	49	44	47	49	45	47	49	45	46	50	46	48	50	46	48	0.9	No
R2629	F 1	W	294472.2	1247594.3	Residential	65	51	47	49	51	48	49	52	48	49	53	49	51	52	48	50	0.9	No
R2631	GF	W	294473.5	1247629.5	Residential	65	49	45	47	49	46	47	49	46	47	51	47	49	50	46	48	1.0	No
R2631	F 1	W	294473.5	1247629.5	Residential	65	51	47	49	51	47	49	52	48	49	53	49	51	52	48	50	1.1	No
R2632	GF	N	294482.0	1247992.9	Residential	65	46	41	44	46	42	44	46	41	44	47	42	46	47	42	46	1.1	No
R2632	F 1	N	294482.0	1247992.9	Residential	65	47	42	45	47	42	45	47	42	45	48	43	47	48	43	47	1.2	No
R2633	GF	N	294482.9	1247378.6	Residential	65	46	41	44	46	42	44	47	43	44	48	44	46	47	43	45	1.1	No
R2635	GF	W	294474.2	1247457.1	Residential	65	47	42	44	47	43	45	47	44	45	49	45	46	48	44	46	1.1	No
R2637	GF	N	294483.9	1247411.4	Residential	65	47	42	45	47	43	45	48	44	45	49	45	47	48	44	46	0.9	No
R2638	GF	NW	294486.6	1246034.9	Active recreation	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2640	GF	S	294477.1	1247439.0	Residential	65	47	43	45	48	44	45	49	45	46	50	46	48	49	45	47	1.1	No
R2642	GF	W	294478.9	1247657.5	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	1.1	No
R2643	GF	W	294479.7	1247469.5	Residential	65	47	43	45	47	44	45	48	44	45	49	45	47	49	44	46	1.1	No
R2643	F 1	W	294479.7	1247469.5	Residential	65	50	45	48	50	46	48	51	47	49	53	48	50	51	47	49	1.0	No
R2644	GF	S	294485.8	1247240.6	Residential	65	47	43	45	47	44	45	47	43	45	49	44	47	48	44	47	1.0	No
R2646	GF	W	294482.7	1247673.9	Residential	65	49	44	47	49	45	47	49	46	47	51	47	48	50	46	48	1.1	No
R2649	GF	W	294482.9	1247643.6	Residential	65	48	43	46	48	44	46	49	45	46	50	46	48	49	45	47	1.0	No
R2649	F 1	W	294482.9	1247643.6	Residential	65	49	44	47	49	45	47	50	47	48	52	48	50	51	46	49	1.2	No
R2650	GF	N	294484.6	1247959.3	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R2650	F 1	N	294484.6	1247959.3	Residential	65	44	40	42	45	41	42	44	40	42	45	41	44	45	41	44	0.8	No
R2652	GF	S	294486.8	1247692.8	Residential	65	49	45	47	49	46	47	50	46	47	51	47	49	50	46	48	1.1	No
R2653	GF	NE	294489.8	1245961.0	Active recreation	65	45	40	42	45	41	42	45	41	42	46	42	44	46	41	44	0.9	No
R2654	GF	W	294486.3	1247992.9	Residential	65	45	41	44	46	42	44	45	41	43	47	42	45	47	42	45	1.0	No
R2654	F 1	W	294486.3	1247992.9	Residential	65	47	42	45	47	43	45	47	42	45	48	43	47	48	43	47	1.2	No
R2656	GF	W	294488.0	1247715.7	Residential	65	48	44	46	49	45	46	48	45	46	50	46	48	50	46	47	0.9	No
R2659	GF	NW	294489.9	1245992.3	Active recreation	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R2660	GF	S	294494.6	1247962.1	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R2660	F 1	S	294494.6	1247962.1	Residential	65	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.9	No
R2662	GF	N	294499.9	1247408.4	Residential	65	47	42	45	47	43	45	47	44	45	49	45	47	48	43	46	1.0	No
R2663	GF	NW	294493.1	1247340.0	Residential	65	46	41	44	46	42	44	46	43	44	48	44	46	47	43	45	1.0	No
R2665	GF	NW	294492.8	1246422.5	Active recreation	65	46	41	44	47	42	44	46	41	44	48	42	46	48	42	46	1.0	No
R2667	GF	SW	294495.7	1247747.1	Residential	65	48	43	45	48	44	45	48	45	46	50	46	48	49	45	47	0.9	No
R2667	F 1	SW	294495.7	1247747.1	Residential	65	50	46	48	50	47	48	51	47	48	52	48	50	51	47	49	1.0	No
R2670	GF	S	294504.4	1247191.6	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	1.1	No
R2670	F 1	S	294504.4	1247191.6	Residential	65	50	46	47	50	47	47	50	46	48	51	47	49	51	47	49	1.0	No
R2671	GF	W	294496.7	1247354.2	Residential	65	46	42	44	46	43	44	46	43	44	48	44	46	47	43	46	1.0	No
R2671	F 1	W	294496.7	1247354.2	Residential	65	49	45	47	50	46	47	50	47	48	52	48	50	51	46	49	1.1	No
R2672	GF	S	294505.2	1247441.1	Residential	65	46	42	44	46	43	44	47	43	44	48	44	46	48	43	46	1.1	No
R2672	F 1	S	294505.2	1247441.1	Residential	65	50	45	48	50	46	48	51	47	49	52	48	50	51	47	49	1.0	No
R2673	GF	NW	294498.1	1245969.1	Active recreation	65	45	41	43	46	42	43	45	41	43	47	42	45	46	42	45	0.9	No
R2675	GF	S	294502.8	1247773.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R2676	GF	E	294504.3	1245977.7	Active recreation	65	39	35	37	40	36	37	39	35	37	41	36	39	41	36	39	0.9	No
R2678	GF	W	294500.1	1247240.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R2678	F 1	W	294500.1	1247240.6	Residential	65	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R2681	GF	S	294508.7	1247702.9	Residential	65	46	42	44	46	43	44	46	43	44	48	44	45	47	43	45	0.9	No
R2681	F 1	S	294508.7	1247702.9	Residential	65	51	46	48	51	47	48	51	48	49	53	49	50	52	48	50	0.8	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2682	GF	W	294501.4	1247792.7	Residential	65	47	42	44	47	43	44	49	45	47	51	46	49	48	43	46	1.2	No
R2682	F 1	W	294501.4	1247792.7	Residential	65	49	45	47	49	46	47	51	46	49	52	47	50	50	46	48	1.1	No
R2685	GF	W	294503.6	1247808.9	Residential	65	47	42	44	47	43	44	49	45	47	51	46	49	48	43	47	1.3	No
R2685	F 1	W	294503.6	1247808.9	Residential	65	49	44	47	49	45	47	51	46	49	52	47	50	50	45	48	1.2	No
R2686	GF	W	294504.7	1247272.8	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	46	1.0	No
R2686	F 1	W	294504.7	1247272.8	Residential	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R2687	GF	W	294504.7	1247822.9	Residential	65	46	42	44	47	43	44	49	45	47	50	46	48	48	43	46	1.3	No
R2687	F 1	W	294504.7	1247822.9	Residential	65	48	44	46	49	45	46	50	46	48	52	47	50	50	45	48	1.1	No
R2687	F 2	W	294504.7	1247822.9	Residential	65	49	45	47	50	46	47	51	47	49	52	48	51	51	46	49	1.1	No
R2689	GF	W	294506.1	1247838.1	Residential	65	45	41	43	46	42	43	46	42	44	47	43	45	47	42	45	0.9	No
R2689	F 1	W	294506.1	1247838.1	Residential	65	47	43	45	48	44	45	48	44	46	50	45	48	49	44	47	1.1	No
R2689	F 2	W	294506.1	1247838.1	Residential	65	49	44	46	49	45	46	50	46	48	51	47	49	50	46	48	1.1	No
R2691	GF	W	294506.8	1247256.0	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.9	No
R2691	F 1	W	294506.8	1247256.0	Residential	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	49	1.0	No
R2693	GF	SW	294522.2	1245945.7	Active recreation	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R2694	GF	W	294508.3	1246579.1	Industrial	n/a	52	48	49	52	49	49	52	48	49	53	49	51	53	49	51	1.0	No
R2696	GF	S	294514.4	1247877.3	Educational institute	55	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R2697	GF	W	294510.8	1247634.0	Residential	65	46	41	44	46	42	44	45	42	43	47	42	45	47	42	45	1.0	No
R2698	GF	W	294510.9	1247852.5	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.8	No
R2698	F 1	W	294510.9	1247852.5	Residential	65	46	42	44	46	43	44	46	42	44	48	43	46	47	43	45	0.9	No
R2698	F 2	W	294510.9	1247852.5	Residential	65	47	43	45	48	44	45	48	44	46	50	45	48	49	44	47	1.0	No
R2699	GF	N	294514.1	1247404.6	Residential	65	46	42	44	46	43	44	47	43	45	48	44	46	47	43	45	1.0	No
R2699	F 1	N	294514.1	1247404.6	Residential	65	48	43	46	48	44	46	49	46	47	51	47	49	49	45	47	1.0	No
R2700	GF	S	294515.5	1247522.4	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	0.8	No
R2701	GF	W	294512.5	1247303.0	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R2701	F 1	W	294512.5	1247303.0	Residential	65	50	46	48	50	47	48	50	46	48	52	47	50	51	47	49	1.0	No
R2702	GF	NW	294515.3	1246441.6	Active recreation	65	46	41	44	47	42	45	46	42	44	48	43	46	48	43	46	0.9	No
R2703	GF	W	294513.3	1247286.9	Residential	65	44	40	42	45	41	43	44	40	42	45	41	43	46	41	44	0.8	No
R2703	F 1	W	294513.3	1247286.9	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	1.0	No
R2704	GF	W	294514.5	1247319.0	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R2704	F 1	W	294514.5	1247319.0	Residential	65	50	46	48	50	47	48	50	47	48	52	48	50	51	47	49	1.0	No
R2706	GF	W	294514.8	1247912.4	Educational institute	55	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R2706	F 1	W	294514.8	1247912.4	Educational institute	55	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R2706	F 2	W	294514.8	1247912.4	Educational institute	55	46	41	44	46	42	44	46	42	44	47	43	45	47	42	46	1.1	No
R2708	GF	W	294515.3	1247335.2	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	46	0.9	No
R2708	F 1	W	294515.3	1247335.2	Residential	65	51	46	49	51	47	49	51	47	49	53	48	51	52	48	50	1.1	No
R2709	GF	NW	294522.6	1246069.5	Active recreation	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2709	F 1	NW	294522.6	1246069.5	Active recreation	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	0.9	No
R2711	GF	W	294519.1	1247350.8	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R2711	F 1	W	294519.1	1247350.8	Residential	65	50	46	48	51	47	48	51	47	49	53	48	51	52	47	50	1.1	No
R2715	GF	S	294524.2	1247437.7	Residential	65	47	42	45	47	43	45	48	44	45	49	45	47	48	44	46	1.1	No
R2716	GF	W	294521.5	1247365.9	Residential	65	47	43	45	47	44	45	48	44	45	49	45	47	48	44	46	0.9	No
R2716	F 1	W	294521.5	1247365.9	Residential	65	50	46	48	51	46	48	51	48	49	53	49	50	52	47	50	1.0	No
R2717	GF	S	294533.0	1247696.4	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	44	46	1.2	No
R2717	F 1	S	294533.0	1247696.4	Residential	65	49	45	47	50	46	47	50	47	48	52	48	49	51	47	49	1.0	No
R2718	GF	S	294525.4	1247108.9	Commercial	n/a	53	49	51	54	50	51	53	49	51	55	50	53	55	50	53	1.0	No
R2718	F 1	S	294525.4	1247108.9	Commercial	n/a	54	50	51	54	51	51	54	50	51	55	51	53	55	51	53	1.0	No
R2719	GF	S	294527.9	1247742.6	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	43	44	1.0	No
R2719	F 1	S	294527.9	1247742.6	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	48	1.0	No
R2719	F 2	S	294527.9	1247742.6	Residential	65	51	47	49	52	48	49	53	49	50	54	50	52	53	49	51	1.0	No
R2720	GF	S	294526.7	1247645.2	Residential	65	47	43	44	47	44	44	47	43	44	48	44	46	48	44	46	1.0	No
R2723	GF	N	294537.1	1247405.1	Residential	65	45	41	43	46	42	44	47	43	44	48	44	46	47	42	45	1.0	No
R2723	F 1	N	294537.1	1247405.1	Residential	65	46	41	44	47	42	44	48	45	45	49	46	47	48	43	46	1.1	No
R2724	GF	W	294527.3	1247901.5	Educational institute	55	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R2725	GF	W	294527.4	1247381.5	Residential	65	46	41	44	46	42	44	47	43	44	48	44	46	47	43	45	1.0	No
R2725	F 1	W	294527.4	1247381.5	Residential	65	49	45	47	50	46	47	50	47	48	52	48	49	51	46	49	1.0	No
R2726	GF	S	294530.6	1247435.2	Residential	65	47	42	45	47	43	45	48	44	45	49	45	47	48	43	46	1.0	No
R2728	GF	W	294528.9	1247464.3	Residential	65	46	42	43	46	43	43	46	42	43	47	43	45	47	43	45	0.9	No
R2731	GF	S	294536.7	1247546.1	Residential	65	47	43	45	48	44	45	47	44	45	49	44	47	49	44	47	0.9	No
R2734	GF	W	294535.3	1247481.3	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R2734	F 1	W	294535.3	1247481.3	Residential	65	48	44	46	49	45	46	49	45	47	51	46	48	50	45	48	0.9	No
R2734	F 2	W	294535.3	1247481.3	Residential	65	51	46	49	51	47	49	52	48	49	53	49	51	52	48	50	0.9	No
R2735	GF	W	294536.9	1247495.1	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R2736	GF	S	294542.6	1247570.5	Residential	65	47	42	44	47	43	44	47	43	44	48	44	46	48	43	46	0.9	No
R2738	GF	S	294543.4	1247740.7	Residential	65	45	41	42	45	42	42	45	41	43	47	42	44	46	42	44	0.9	No
R2738	F 1	S	294543.4	1247740.7	Residential	65	48	43	46	48	44	45	49	45	46	50	46	48	49	45	47	1.1	No
R2740	GF	W	294538.9	1246999.1	Commercial	n/a	52	48	50	53	49	50	52	48	50	54	49	52	54	49	52	1.0	No
R2740	F 1	W	294538.9	1246999.1	Commercial	n/a	52	48	50	53	49	50	52	48	50	54	50	52	54	49	52	1.0	No
R2741	GF	NW	294551.6	1245974.1	Active recreation	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R2742	GF	S	294544.9	1247432.8	Residential	65	46	41	44	46	42	44	47	43	45	48	44	46	47	42	45	1.1	No
R2743	GF	W	294540.4	1247669.3	Residential	65	47	43	45	48	44	45	47	44	45	49	45	47	49	44	47	1.1	No
R2744	GF	W	294541.5	1247506.7	Residential	65	46	41	44	46	42	44	46	42	43	47	43	45	47	43	45	1.0	No
R2745	GF	W	294541.7	1247539.2	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R2745	F 1	W	294541.7	1247539.2	Residential	65	50	45	48	50	46	48	50	47	48	52	48	50	51	47	49	0.9	No
R2747	GF	W	294543.9	1247522.8	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.1	No
R2747	F 1	W	294543.9	1247522.8	Residential	65	49	45	47	49	46	47	50	46	47	51	47	49	50	46	48	1.0	No
R2747	F 2	W	294543.9	1247522.8	Residential	65	51	47	49	51	48	49	52	49	50	54	50	51	52	48	50	0.9	No
R2749	GF	S	294550.2	1247705.1	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2751	GF	W	294546.1	1247992.8	Educational institute	55	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.8	No
R2751	F 1	W	294546.1	1247992.8	Educational institute	55	46	41	44	46	42	44	45	41	43	47	42	45	47	42	45	0.9	No
R2752	GF	S	294552.2	1247228.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R2752	F 1	S	294552.2	1247228.5	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	1.0	No
R2754	GF	W	294548.8	1247575.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	45	47	43	45	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2754	F 1	W	294548.8	1247575.9	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	47	49	0.9	No
R2755	GF	NW	294548.8	1246448.3	Active recreation	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R2758	GF	W	294552.7	1247565.4	Residential	65	47	43	45	48	44	45	47	44	45	49	45	47	49	44	47	0.9	No
R2759	GF	W	294552.8	1245998.1	Active recreation	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2760	GF	S	294560.6	1247739.2	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	43	45	0.9	No
R2760	F 1	S	294560.6	1247739.2	Residential	65	48	44	46	48	45	46	49	45	46	50	46	48	50	45	47	1.1	No
R2762	GF	S	294595.2	1247082.2	Commercial	n/a	51	47	49	51	48	49	51	47	49	52	48	50	52	48	50	0.9	No
R2766	GF	W	294555.6	1247768.5	Residential	65	44	39	42	44	40	42	44	40	41	45	41	43	45	40	43	0.8	No
R2767	GF	W	294555.6	1247267.2	Residential	65	46	41	44	46	42	44	46	41	43	47	43	45	47	43	45	0.9	No
R2767	F 1	W	294555.6	1247267.2	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R2768	GF	NW	294556.2	1246486.5	Active recreation	65	50	46	48	50	47	48	50	46	48	51	47	49	51	47	49	1.0	No
R2771	GF	W	294558.2	1247285.2	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	45	1.0	No
R2771	F 1	W	294558.2	1247285.2	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	0.9	No
R2772	GF	W	294559.5	1247612.9	Residential	65	47	43	45	48	44	45	48	44	45	49	45	47	49	45	47	1.1	No
R2772	F 1	W	294559.5	1247612.9	Residential	65	50	45	47	50	46	48	50	47	48	52	48	49	51	47	49	0.9	No
R2773	GF	S	294566.1	1247226.4	Residential	65	48	44	46	48	45	46	48	44	46	50	45	48	50	45	48	1.1	No
R2774	GF	W	294560.1	1247554.3	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R2776	GF	W	294561.4	1247301.7	Residential	65	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.9	No
R2778	GF	W	294564.0	1247859.1	Residential	65	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.7	No
R2779	GF	W	294564.7	1247600.5	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	44	46	1.1	No
R2782	GF	W	294567.3	1247635.0	Residential	65	48	44	45	48	45	45	48	44	46	49	45	47	49	45	47	1.1	No
R2782	F 1	W	294567.3	1247635.0	Residential	65	50	46	48	50	46	48	51	47	48	52	48	50	51	47	49	1.1	No
R2785	GF	W	294569.0	1247321.7	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.9	No
R2786	GF	W	294569.1	1247677.7	Residential	65	48	44	46	48	45	46	48	45	46	50	46	48	49	45	47	1.1	No
R2786	F 1	W	294569.1	1247677.7	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	51	47	49	0.9	No
R2787	GF	W	294569.7	1247338.2	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.8	No
R2788	GF	W	294570.4	1247657.8	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	47	1.0	No
R2788	F 1	W	294570.4	1247657.8	Residential	65	50	46	48	51	47	48	51	48	49	53	49	50	52	47	50	1.0	No
R2788	F 2	W	294570.4	1247657.8	Residential	65	51	47	49	52	48	50	53	49	50	54	50	52	53	48	51	1.0	No
R2790	GF	W	294571.2	1247356.2	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R2791	GF	W	294571.6	1247905.5	Educational institute	55	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R2791	F 1	W	294571.6	1247905.5	Educational institute	55	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R2794	GF	W	294575.6	1247384.8	Residential	65	46	42	44	46	43	44	46	42	44	48	44	46	47	43	45	1.0	No
R2795	GF	S	294576.0	1247739.8	Residential	65	46	42	44	47	43	44	46	43	44	48	44	46	48	43	45	0.9	No
R2795	F 1	S	294576.0	1247739.8	Residential	65	49	45	47	49	46	47	49	46	47	51	47	48	50	46	48	0.9	No
R2796	GF	S	294580.5	1247225.2	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	1.1	No
R2796	F 1	S	294580.5	1247225.2	Residential	65	50	46	48	50	47	48	50	46	47	51	47	49	51	47	49	1.0	No
R2798	GF	W	294578.4	1247693.2	Residential	65	46	41	43	46	42	43	46	43	44	48	43	45	47	43	45	1.1	No
R2798	F 1	W	294578.4	1247693.2	Residential	65	48	44	46	48	44	46	49	45	46	50	46	48	49	45	47	1.1	No
R2800	GF	W	294578.9	1247894.2	Educational institute	55	43	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R2800	F 1	W	294578.9	1247894.2	Educational institute	55	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.8	No
R2803	GF	W	294582.2	1247707.0	Residential	65	47	43	45	47	43	45	47	43	45	49	44	47	48	44	46	1.0	No
R2804	GF	W	294582.7	1247433.4	Residential	65	46	42	44	47	43	44	47	44	45	49	45	47	48	44	46	1.2	No
R2804	F 1	W	294582.7	1247433.4	Residential	65	49	44	47	49	45	47	50	47	48	52	48	49	50	46	48	1.0	No
R2806	GF	W	294586.4	1247734.8	Residential	65	48	44	45	48	45	45	48	45	46	50	45	47	49	45	47	1.0	No
R2806	F 1	W	294586.4	1247734.8	Residential	65	50	46	48	50	47	48	51	47	48	52	48	50	51	47	49	1.0	No
R2807	GF	W	294587.2	1247837.5	Residential	65	43	39	41	44	40	41	43	39	41	45	40	42	45	40	43	1.0	No
R2807	F 1	W	294587.2	1247837.5	Residential	65	46	41	44	46	42	44	46	42	43	47	43	45	47	43	45	1.1	No
R2809	GF	N	294598.6	1247392.3	Residential	65	44	40	42	45	41	42	45	42	43	47	43	45	46	41	44	1.0	No
R2810	GF	W	294588.4	1247960.9	Educational institute	55	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R2810	F 1	W	294588.4	1247960.9	Educational institute	55	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.8	No
R2811	GF	W	294588.8	1247470.5	Residential	65	46	42	44	46	43	44	47	43	44	48	44	46	47	43	45	1.0	No
R2812	GF	W	294589.1	1247449.7	Residential	65	46	42	44	47	43	44	47	43	45	49	44	47	48	43	46	1.1	No
R2812	F 1	W	294589.1	1247449.7	Residential	65	49	45	47	50	46	47	50	47	48	52	48	50	51	46	49	1.0	No
R2812	F 2	W	294589.1	1247449.7	Residential	65	51	47	49	51	48	49	52	48	50	54	49	51	52	48	50	1.0	No
R2813	GF	W	294603.5	1245982.0	Active recreation	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R2813	F 1	W	294603.5	1245982.0	Active recreation	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2813	F 2	W	294603.5	1245982.0	Active recreation	65	48	43	46	48	44	46	48	44	46	50	45	48	49	44	48	1.0	No
R2813	F 3	W	294603.5	1245982.0	Active recreation	65	49	44	47	49	45	47	49	44	47	50	45	48	50	45	48	1.0	No
R2813	F 4	W	294603.5	1245982.0	Active recreation	65	49	44	47	49	45	47	49	45	47	51	46	49	50	45	49	1.1	No
R2814	GF	W	294590.1	1247916.1	Educational institute	55	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R2814	F 1	W	294590.1	1247916.1	Educational institute	55	43	39	41	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2818	GF	S	294598.9	1247220.8	Residential	65	49	45	47	49	46	47	49	45	47	50	46	48	50	46	48	1.0	No
R2818	F 1	S	294598.9	1247220.8	Residential	65	50	45	47	50	46	47	50	45	47	51	47	49	51	46	49	1.1	No
R2822	GF	W	294592.8	1247902.2	Educational institute	55	40	36	37	40	37	37	40	36	37	41	37	39	41	37	39	0.9	No
R2822	F 1	W	294592.8	1247902.2	Educational institute	55	43	39	41	44	40	41	43	39	40	44	40	42	44	40	43	0.7	No
R2823	GF	W	294593.1	1247492.3	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	42	45	1.0	No
R2823	F 1	W	294593.1	1247492.3	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	47	1.0	No
R2824	GF	W	294593.2	1247936.9	Educational institute	55	43	39	41	44	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R2824	F 1	W	294593.2	1247936.9	Educational institute	55	45	40	43	45	41	43	44	40	42	46	41	44	46	41	44	0.8	No
R2825	GF	W	294593.6	1247861.8	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.1	No
R2825	F 1	W	294593.6	1247861.8	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2827	GF	S	294624.0	1247291.5	Residential	65	49	45	47	49	46	47	49	45	46	50	46	48	50	46	48	0.9	No
R2829	GF	W	294597.4	1247512.9	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R2829	F 1	W	294597.4	1247512.9	Residential	65	47	43	45	48	44	45	48	44	46	49	45	47	49	45	47	1.0	No
R2830	GF	W	294597.7	1247815.7	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R2830	F 1	W	294597.7	1247815.7	Residential	65	46	42	44	47	43	44	46	43	44	48	44	46	48	43	46	1.1	No
R2830	F 2	W	294597.7	1247815.7	Residential	65	50	45	48	50	46	48	50	46	48	52	47	50	51	47	49	1.0	No
R2831	GF	W	294598.1	1247983.3	Educational institute	55	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2831	F 1	W	294598.1	1247983.3	Educational institute	55	44	40	42	45	41	42	44	40	42	45	41	43	45	41	44	0.9	No
R2832	GF	W	294598.6	1247884.4	Educational institute	55	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R2832	F 1	W	294598.6	1247884.4	Educational institute	55	45	41	43	45	41	43	44	41	42	46	42	44	46	42	44	0.8	No
R2835	GF	W	294599.4	1247530.1	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	43	45	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2837	GF	W	294599.8	1247752.6	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R2837	F 1	W	294599.8	1247752.6	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	42	45	1.0	No
R2841	GF	SW	294608.7	1247328.9	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R2842	GF	W	294602.8	1247775.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.8	No
R2842	F 1	W	294602.8	1247775.6	Residential	65	47	43	45	47	44	44	47	43	45	49	44	47	48	44	46	1.0	No
R2843	GF	W	294603.9	1247795.7	Residential	65	44	40	42	45	41	42	45	40	43	46	42	44	45	41	44	0.9	No
R2843	F 1	W	294603.9	1247795.7	Residential	65	46	42	44	47	43	44	47	43	45	49	44	47	48	43	46	1.2	No
R2844	GF	S	294613.8	1247419.5	Residential	65	46	41	44	46	42	44	46	42	44	48	43	46	47	42	45	0.9	No
R2845	GF	W	294605.9	1247367.6	Residential	65	47	43	44	47	44	44	47	43	44	48	44	46	48	44	46	1.0	No
R2848	GF	W	294606.5	1247547.0	Residential	65	45	41	42	45	42	42	45	41	43	46	42	44	46	42	44	1.0	No
R2848	F 1	W	294606.5	1247547.0	Residential	65	48	44	46	48	45	46	49	45	46	50	46	48	49	45	47	1.0	No
R2850	GF	S	294614.6	1247218.0	Residential	65	49	45	47	49	46	46	49	45	46	50	46	48	50	46	48	1.0	No
R2851	GF	N	294616.9	1247389.7	Residential	65	44	39	42	44	40	42	45	41	42	46	42	44	45	41	43	1.0	No
R2851	F 1	N	294616.9	1247389.7	Residential	65	47	43	45	48	44	45	48	45	46	50	46	48	49	44	47	1.1	No
R2854	GF	W	294610.7	1247263.8	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R2855	GF	W	294611.6	1247591.5	Residential	65	46	42	43	46	43	43	46	42	44	48	43	45	47	43	45	1.1	No
R2855	F 1	W	294611.6	1247591.5	Residential	65	48	44	46	49	45	46	49	46	47	51	47	48	50	46	48	1.0	No
R2855	F 2	W	294611.6	1247591.5	Residential	65	51	46	49	51	47	49	52	48	49	53	49	51	52	48	50	0.9	No
R2857	GF	W	294613.0	1247613.5	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	44	46	1.0	No
R2857	F 1	W	294613.0	1247613.5	Residential	65	49	45	47	50	46	47	50	46	47	51	47	49	51	46	49	0.9	No
R2862	GF	W	294622.7	1247894.8	Educational institute	55	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	0.9	No
R2862	F 1	W	294622.7	1247894.8	Educational institute	55	44	40	42	45	41	42	44	40	41	45	41	43	45	41	44	0.8	No
R2863	GF	W	294621.5	1247649.6	Residential	65	48	44	46	48	45	46	48	44	46	50	45	48	49	45	47	1.0	No
R2863	F 1	W	294621.5	1247649.6	Residential	65	50	46	48	51	47	48	51	47	48	52	48	50	52	47	50	1.0	No
R2865	GF	S	294630.3	1247215.8	Residential	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R2865	F 1	S	294630.3	1247215.8	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R2867	GF	W	294625.1	1247449.3	Residential	65	44	40	42	45	41	42	45	41	42	46	42	44	46	41	44	1.0	No
R2868	GF	W	294626.3	1247692.5	Residential	65	47	43	45	47	44	45	47	43	45	49	44	47	48	44	46	1.1	No
R2868	F 1	W	294626.3	1247692.5	Residential	65	50	45	47	50	46	47	50	47	48	52	48	50	51	47	49	1.1	No
R2870	GF	NW	294628.6	1246569.3	Active recreation	65	50	46	48	51	47	48	50	46	48	52	47	50	52	47	50	1.0	No
R2871	GF	S	294635.4	1247372.5	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R2873	GF	W	294629.8	1247669.5	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.1	No
R2873	F 1	W	294629.8	1247669.5	Residential	65	50	46	48	51	47	48	51	47	49	52	48	50	52	47	50	1.0	No
R2873	F 2	W	294629.8	1247669.5	Residential	65	51	46	49	51	47	49	52	48	49	53	49	51	52	48	50	0.9	No
R2878	GF	S	294641.1	1247415.3	Residential	65	45	40	42	45	41	42	45	41	42	46	42	44	46	42	44	0.9	No
R2878	F 1	S	294641.1	1247415.3	Residential	65	47	43	45	48	44	45	48	44	46	50	45	47	49	44	47	1.0	No
R2880	GF	W	294633.6	1247255.0	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	0.8	No
R2880	F 1	W	294633.6	1247255.0	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	0.9	No
R2881	GF	S	294637.9	1247479.3	Residential	65	45	40	42	45	41	42	45	41	42	46	42	44	46	42	44	1.0	No
R2882	GF	W	294634.8	1247267.2	Residential	65	46	41	44	46	42	44	45	41	43	47	42	45	47	42	45	1.0	No
R2882	F 1	W	294634.8	1247267.2	Residential	65	49	45	47	50	46	47	49	45	47	51	46	49	51	46	49	1.0	No
R2883	GF	W	294635.2	1247544.6	Residential	65	45	41	43	45	42	43	45	41	43	47	42	45	46	42	44	1.2	No
R2883	F 1	W	294635.2	1247544.6	Residential	65	49	44	47	49	45	47	49	46	47	51	47	49	50	46	48	1.0	No
R2887	GF	W	294639.6	1247289.4	Residential	65	48	44	46	48	45	46	48	44	45	49	45	47	49	45	47	0.9	No
R2889	GF	S	294645.3	1247212.7	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2889	F 1	S	294645.3	1247212.7	Residential	65	49	44	46	49	45	46	49	44	46	50	46	48	50	45	48	1.0	No
R2890	GF	W	294643.2	1247307.6	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2891	GF	W	294643.3	1246209.3	Active recreation	65	46	41	44	46	42	44	46	42	44	48	43	46	47	42	46	1.0	No
R2891	F 1	W	294643.3	1246209.3	Active recreation	65	47	43	45	48	44	46	47	43	45	49	44	47	49	44	47	1.0	No
R2891	F 2	W	294643.3	1246209.3	Active recreation	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.1	No
R2893	GF	W	294644.3	1247731.5	Residential	65	45	41	43	45	42	43	45	42	43	47	43	45	47	42	44	1.2	No
R2893	F 1	W	294644.3	1247731.5	Residential	65	48	44	46	48	45	46	49	45	46	50	46	48	49	45	47	1.1	No
R2896	GF	W	294646.0	1247747.0	Residential	65	45	41	43	45	42	43	45	41	43	47	42	45	46	42	44	1.0	No
R2897	GF	W	294646.1	1247325.8	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	0.9	No
R2897	F 1	W	294646.1	1247325.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2899	GF	W	294647.8	1246573.8	Active recreation	65	50	46	48	50	47	48	50	46	47	51	47	49	51	47	49	1.0	No
R2902	GF	W	294653.1	1247764.4	Residential	65	44	40	42	45	41	42	45	41	43	46	42	44	46	42	44	1.0	No
R2902	F 1	W	294653.1	1247764.4	Residential	65	47	43	45	48	44	45	48	45	46	50	46	48	49	44	47	1.1	No
R2902	F 2	W	294653.1	1247764.4	Residential	65	49	45	47	50	46	47	51	47	48	52	48	50	51	46	49	1.0	No
R2904	GF	W	294655.8	1247798.8	Residential	65	44	40	42	45	41	42	45	41	42	46	42	44	46	42	44	1.1	No
R2904	F 1	W	294655.8	1247798.8	Residential	65	47	42	45	47	43	45	48	44	45	49	45	47	48	44	46	1.2	No
R2905	GF	W	294655.8	1247341.1	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R2905	F 1	W	294655.8	1247341.1	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R2906	GF	W	294656.2	1246558.5	Active recreation	65	46	41	43	46	42	44	45	41	43	47	42	45	47	42	45	1.0	No
R2907	GF	S	294660.7	1247657.0	Residential	65	48	44	46	48	45	46	48	45	46	50	46	48	49	45	47	1.0	No
R2909	GF	W	294660.0	1247362.4	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	0.9	No
R2909	F 1	W	294660.0	1247362.4	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R2910	GF	W	294660.8	1247844.1	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	1.0	No
R2910	F 1	W	294660.8	1247844.1	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.1	No
R2913	GF	W	294661.4	1247378.0	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R2913	F 1	W	294661.4	1247378.0	Residential	65	47	42	44	47	43	44	47	43	44	48	44	46	48	44	46	1.0	No
R2915	GF	W	294661.7	1247829.1	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R2915	F 1	W	294661.7	1247829.1	Residential	65	46	42	44	47	43	44	47	42	44	48	43	46	48	43	46	1.1	No
R2916	GF	S	294671.8	1247409.5	Residential	65	44	40	42	45	41	42	45	41	43	46	42	44	46	41	44	1.1	No
R2916	F 1	S	294671.8	1247409.5	Residential	65	48	43	46	48	44	46	48	44	46	50	45	48	49	44	47	1.1	No
R2919	GF	W	294669.3	1247457.3	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.0	No
R2919	F 1	W	294669.3	1247457.3	Residential	65	49	45	47	49	46	47	49	46	47	51	47	49	50	46	48	0.9	No
R2920	GF	W	294669.4	1247864.2	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R2920	F 1	W	294669.4	1247864.2	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R2921	GF	W	294671.6	1247437.2	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R2921	F 1	W	294671.6	1247437.2	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	1.0	No
R2922	GF	S	294677.3	1247719.1	Residential	65	43	38	40	43	39	40	43	39	40	44	40	42	44	40	42	1.0	No
R2923	GF	N	294688.2	1247887.1	Residential	65	43	38	41	43	39	41	43	39	40	44	40	42	44	40	42	0.8	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2925	GF	W	294674.2	1247479.6	Residential	65	47	43	44	47	43	44	47	43	45	48	44	46	48	44	46	1.1	No
R2928	GF	W	294675.9	1247904.6	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2931	GF	W	294677.0	1247515.3	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	43	45	1.1	No
R2931	F 1	W	294677.0	1247515.3	Residential	65	48	44	46	48	44	46	49	45	46	50	46	48	49	45	47	1.1	No
R2932	GF	W	294677.1	1247925.5	Residential	65	43	38	41	43	39	41	42	38	40	43	39	41	44	39	42	0.7	No
R2932	F 1	W	294677.1	1247925.5	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	1.0	No
R2933	GF	SW	294682.7	1247227.3	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R2934	GF	W	294679.5	1247495.9	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.0	No
R2936	GF	W	294681.9	1247943.4	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	43	39	41	0.7	No
R2936	F 1	W	294681.9	1247943.4	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2937	GF	W	294682.8	1248001.1	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2937	F 1	W	294682.8	1248001.1	Residential	65	44	39	42	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2938	GF	W	294682.8	1247963.9	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	43	39	42	0.8	No
R2938	F 1	W	294682.8	1247963.9	Residential	65	43	39	41	44	40	41	43	39	41	44	40	43	45	40	43	0.9	No
R2939	GF	W	294683.4	1247978.0	Residential	65	42	38	40	43	39	40	42	38	39	43	39	41	43	39	42	0.8	No
R2939	F 1	W	294683.4	1247978.0	Residential	65	43	38	41	43	39	41	43	39	41	44	39	42	44	39	43	1.0	No
R2940	GF	W	294683.6	1247534.9	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R2942	GF	W	294688.0	1247561.1	Residential	65	46	42	44	46	43	44	46	43	44	48	44	46	48	43	45	1.1	No
R2942	F 1	W	294688.0	1247561.1	Residential	65	48	44	46	49	45	46	49	45	47	51	46	48	50	45	48	1.0	No
R2943	GF	S	294695.5	1247729.0	Residential	65	43	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R2945	GF	S	294694.4	1247259.7	Residential	65	44	39	41	44	40	42	43	39	41	45	40	43	45	40	43	0.9	No
R2948	GF	SE	294700.0	1247241.0	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R2950	GF	S	294697.9	1247750.3	Residential	65	42	38	40	43	39	40	42	39	40	44	40	42	44	39	42	0.9	No
R2951	GF	W	294693.3	1247578.1	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	0.9	No
R2951	F 1	W	294693.3	1247578.1	Residential	65	49	45	47	49	46	47	49	46	47	51	47	49	50	46	48	0.9	No
R2954	GF	W	294696.5	1247292.7	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2955	GF	W	294697.2	1247307.1	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.9	No
R2956	GF	W	294697.4	1247922.3	Residential	65	43	38	41	43	39	41	42	38	40	43	39	41	44	39	42	0.7	No
R2957	GF	W	294699.7	1247322.8	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R2958	GF	W	294700.3	1247596.0	Residential	65	47	42	44	47	43	44	47	43	45	48	44	46	48	44	46	0.9	No
R2959	GF	W	294702.7	1247340.8	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.8	No
R2960	GF	S	294706.6	1247891.4	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.8	No
R2961	GF	N	294713.4	1247827.3	Residential	65	39	35	37	40	36	37	39	35	37	41	36	39	41	36	39	1.1	No
R2961	F 1	N	294713.4	1247827.3	Residential	65	40	36	38	40	36	38	40	36	38	41	37	40	42	37	40	1.4	No
R2963	GF	S	294710.6	1247360.9	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R2964	GF	N	294715.1	1248002.7	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	0.8	No
R2967	GF	NW	294708.9	1246158.0	Active recreation	65	45	40	43	45	41	43	45	41	43	46	42	44	46	42	44	1.1	No
R2968	GF	W	294710.9	1247715.2	Residential	65	43	39	41	44	40	41	43	40	41	45	41	42	45	40	42	0.9	No
R2971	GF	W	294713.1	1247755.9	Residential	65	42	37	40	42	38	40	41	37	39	43	38	41	43	38	41	0.8	No
R2971	F 1	W	294713.1	1247755.9	Residential	65	45	41	42	45	42	42	45	42	43	47	43	45	46	42	44	1.1	No
R2973	GF	W	294714.3	1247804.1	Residential	65	42	37	40	42	38	40	41	37	39	43	38	41	43	38	41	0.9	No
R2974	GF	W	294715.0	1247733.9	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R2975	GF	SW	294718.6	1247259.4	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R2976	GF	W	294715.6	1247899.5	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2977	GF	NW	294717.2	1246111.1	Active recreation	65	45	40	43	45	41	43	45	41	43	46	41	44	46	41	44	0.9	No
R2978	GF	W	294717.5	1247111.0	Active recreation	65	48	44	46	49	45	46	48	44	46	50	45	48	50	45	48	1.0	No
R2979	GF	S	294721.7	1247424.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R2980	GF	W	294717.6	1247878.7	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.8	No
R2982	GF	W	294719.3	1247446.3	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2982	F 1	W	294719.3	1247446.3	Residential	65	48	43	45	48	44	46	48	44	46	49	45	47	49	45	47	1.0	No
R2984	GF	W	294720.8	1247988.0	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	0.9	No
R2984	F 1	W	294720.8	1247988.0	Residential	65	42	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.9	No
R2985	GF	S	294727.5	1247359.3	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R2989	GF	W	294722.8	1247771.3	Residential	65	41	36	39	41	37	39	41	37	39	43	38	41	42	37	40	0.8	No
R2991	GF	SW	294728.1	1247279.6	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R2992	GF	W	294724.5	1247461.1	Residential	65	45	40	42	45	41	42	44	41	42	46	41	44	46	41	44	0.9	No
R2992	F 1	W	294724.5	1247461.1	Residential	65	47	43	45	47	44	45	47	43	45	49	44	46	48	44	46	0.9	No
R2993	GF	W	294725.5	1247938.5	Residential	65	42	37	40	42	38	40	41	37	39	42	38	40	43	38	41	0.6	No
R2993	F 1	W	294725.5	1247938.5	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	0.9	No
R2994	GF	NW	294725.6	1247797.4	Residential	65	41	37	39	42	38	39	40	37	38	42	38	40	42	38	40	0.7	No
R2995	GF	S	294731.2	1247403.3	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.1	No
R2996	GF	W	294726.8	1247476.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	44	1.0	No
R2996	F 1	W	294726.8	1247476.0	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	49	45	47	0.9	No
R2997	GF	W	294727.0	1247299.5	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R2999	GF	W	294728.9	1247813.1	Residential	65	40	36	38	40	37	38	39	36	37	41	37	39	41	37	39	0.8	No
R2999	F 1	W	294728.9	1247813.1	Residential	65	43	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R3001	GF	W	294729.2	1247874.8	Residential	65	41	37	39	42	38	39	41	37	38	42	38	40	42	38	40	0.8	No
R3001	F 1	W	294729.2	1247874.8	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R3002	GF	W	294729.7	1247831.8	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.0	No
R3002	F 1	W	294729.7	1247831.8	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	1.1	No
R3003	GF	W	294731.3	1247492.2	Residential	65	46	42	43	46	43	43	46	42	44	48	43	46	47	43	45	1.1	No
R3003	F 1	W	294731.3	1247492.2	Residential	65	49	44	47	49	45	47	49	45	47	50	46	48	50	46	48	1.0	No
R3004	GF	W	294733.4	1247851.5	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.9	No
R3004	F 1	W	294733.4	1247851.5	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	1.0	No
R3005	GF	W	294734.7	1247510.1	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	45	1.0	No
R3005	F 1	W	294734.7	1247510.1	Residential	65	49	45	47	49	46	47	49	46	47	51	47	49	50	46	48	1.0	No
R3006	GF	W	294735.1	1247525.7	Residential	65	46	42	44	46	43	44	46	43	44	48	44	46	47	43	45	1.0	No
R3006	F 1	W	294735.1	1247525.7	Residential	65	49	45	47	49	46	47	49	46	47	51	47	49	50	46	48	0.9	No
R3007	GF	S	294741.1	1247325.6	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R3008	GF	W	294736.1	1247958.7	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.7	No
R3008	F 1	W	294736.1	1247958.7	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R3009	GF	W	294737.1	1247547.1	Residential	65	46	42	44	46	43	44	46	43	44	48	44	46	48	43	45	1.1	No
R3010	GF	S	294742.8	1247350.0	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	46	42	44	0.8	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3010	F 1	S	294742.8	1247350.0	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	0.9	No
R3014	GF	S	294751.9	1247113.9	Active recreation	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3016	GF	W	294742.2	1247567.0	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.0	No
R3016	F 1	W	294742.2	1247567.0	Residential	65	48	44	46	49	45	46	49	45	47	51	46	48	50	46	48	1.0	No
R3017	GF	W	294742.5	1247585.5	Residential	65	46	42	44	46	43	44	46	42	44	48	43	46	47	43	45	1.0	No
R3017	F 1	W	294742.5	1247585.5	Residential	65	48	44	46	49	45	46	49	45	47	50	46	48	50	45	48	0.9	No
R3019	GF	W	294743.0	1247914.5	Residential	65	41	37	40	42	38	40	41	37	39	42	38	40	43	38	41	0.7	No
R3020	GF	N	294751.5	1247993.1	Residential	65	41	36	38	41	37	38	40	37	37	42	38	39	42	38	39	0.7	No
R3021	GF	W	294744.4	1247893.8	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.6	No
R3021	F 1	W	294744.4	1247893.8	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R3021	F 2	W	294744.4	1247893.8	Residential	65	44	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.2	No
R3023	GF	W	294745.5	1247597.8	Residential	65	45	41	43	46	42	43	46	42	43	47	43	45	47	43	45	1.0	No
R3023	F 1	W	294745.5	1247597.8	Residential	65	48	44	46	48	45	46	49	45	46	50	46	48	49	45	47	1.0	No
R3024	GF	S	294757.2	1247924.0	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.6	No
R3025	GF	N	294753.0	1247413.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	45	0.9	No
R3027	GF	W	294747.2	1247315.1	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R3028	GF	W	294748.4	1247197.1	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3030	GF	W	294748.6	1247611.1	Residential	65	45	41	42	45	41	42	45	41	42	46	42	44	46	42	44	1.0	No
R3033	GF	S	294759.2	1247355.8	Residential	65	46	42	44	46	43	44	46	41	43	47	42	45	47	42	45	1.0	No
R3034	GF	W	294753.3	1247626.5	Residential	65	44	40	42	44	41	41	44	40	42	45	41	43	45	41	43	1.0	No
R3034	F 1	W	294753.3	1247626.5	Residential	65	47	43	45	48	44	45	48	44	45	49	45	47	49	44	46	1.0	No
R3038	GF	S	294758.3	1247419.4	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3040	GF	W	294755.2	1247664.3	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	1.0	No
R3040	F 1	W	294755.2	1247664.3	Residential	65	46	42	43	46	43	43	46	42	44	48	43	46	47	43	45	1.1	No
R3041	GF	W	294755.7	1247329.4	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.0	No
R3042	GF	W	294755.8	1247644.8	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R3042	F 1	W	294755.8	1247644.8	Residential	65	47	43	44	47	43	44	47	43	45	48	44	46	48	44	46	1.1	No
R3043	GF	S	294761.0	1247942.1	Residential	65	38	34	36	39	35	36	38	34	36	39	35	37	40	35	38	1.1	No
R3043	F 1	S	294761.0	1247942.1	Residential	65	41	36	39	41	37	39	40	37	38	42	38	40	42	38	40	0.8	No
R3046	GF	W	294757.5	1247211.4	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	1.0	No
R3047	GF	W	294758.8	1247403.2	Residential	65	46	42	44	46	43	43	46	42	43	47	43	45	47	43	45	1.0	No
R3047	F 1	W	294758.8	1247403.2	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	0.9	No
R3048	GF	W	294760.8	1247679.2	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R3049	GF	W	294760.9	1247978.4	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.8	No
R3049	F 1	W	294760.9	1247978.4	Residential	65	42	37	40	42	38	40	42	37	39	43	38	41	43	38	41	1.2	No
R3049	F 2	W	294760.9	1247978.4	Residential	65	43	38	41	43	39	41	43	38	41	44	39	42	44	39	43	1.2	No
R3050	GF	S	294765.3	1247432.9	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3051	GF	W	294761.9	1247709.9	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R3051	F 1	W	294761.9	1247709.9	Residential	65	44	40	41	44	41	41	44	40	42	45	41	43	45	41	43	1.1	No
R3053	GF	W	294764.0	1247225.6	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R3054	GF	W	294764.5	1247343.3	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3054	F 1	W	294764.5	1247343.3	Residential	65	48	44	46	48	45	45	48	44	45	49	45	47	49	45	47	1.0	No
R3055	GF	W	294764.9	1247726.9	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.8	No
R3055	F 1	W	294764.9	1247726.9	Residential	65	44	40	42	44	41	42	44	40	42	46	41	44	45	41	43	1.0	No
R3058	GF	W	294768.8	1247563.2	Residential	65	43	39	41	44	40	41	43	40	41	45	41	43	45	40	43	0.9	No
R3058	F 1	W	294768.8	1247563.2	Residential	65	48	44	46	49	45	46	49	45	47	50	46	48	50	45	48	1.0	No
R3060	GF	W	294769.5	1247420.8	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	0.9	No
R3060	F 1	W	294769.5	1247420.8	Residential	65	47	43	45	48	44	45	47	44	45	49	45	47	49	44	47	1.1	No
R3061	GF	W	294769.9	1247748.6	Residential	65	41	37	39	42	38	39	41	37	38	42	38	40	43	38	41	0.7	No
R3061	F 1	W	294769.9	1247748.6	Residential	65	43	39	41	44	40	41	43	39	41	45	40	42	45	40	42	0.9	No
R3064	GF	W	294770.8	1247239.8	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	0.9	No
R3067	GF	W	294771.8	1247768.4	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.7	No
R3070	GF	W	294774.3	1247358.7	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3071	GF	S	294783.9	1247479.7	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R3071	F 1	S	294783.9	1247479.7	Residential	65	48	44	46	48	45	46	48	44	46	50	45	48	49	45	47	0.9	No
R3072	GF	S	294779.5	1247709.0	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	41	36	39	1.2	No
R3073	GF	W	294775.0	1247579.8	Residential	65	42	37	39	42	39	39	41	37	39	43	38	41	43	38	41	0.9	No
R3074	GF	W	294780.4	1247193.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3076	GF	W	294777.8	1247254.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3077	GF	W	294778.0	1247436.7	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3077	F 1	W	294778.0	1247436.7	Residential	65	48	44	46	49	45	46	48	44	46	50	46	48	50	45	47	1.0	No
R3077	F 2	W	294778.0	1247436.7	Residential	65	47	43	45	48	44	45	48	44	45	49	45	47	49	44	47	1.0	No
R3078	GF	W	294778.8	1247806.2	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.6	No
R3078	F 1	W	294778.8	1247806.2	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3081	GF	W	294779.2	1247788.3	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.8	No
R3081	F 1	W	294779.2	1247788.3	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3083	GF	W	294780.3	1247452.7	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R3083	F 1	W	294780.3	1247452.7	Residential	65	48	44	46	49	45	46	49	45	46	50	46	48	50	45	48	1.0	No
R3086	GF	W	294781.5	1247827.3	Residential	65	41	36	39	41	37	39	40	36	38	41	37	39	42	37	40	0.6	No
R3086	F 1	W	294781.5	1247827.3	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	42	1.0	No
R3086	F 2	W	294781.5	1247827.3	Residential	65	42	38	39	42	39	39	41	38	39	43	39	41	43	39	41	1.0	No
R3089	GF	W	294784.2	1247467.1	Residential	65	48	44	46	48	45	46	48	44	46	49	45	47	49	45	47	1.0	No
R3091	GF	W	294786.6	1247850.1	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	40	0.7	No
R3091	F 1	W	294786.6	1247850.1	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3092	GF	W	294787.6	1247268.8	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R3096	GF	S	294794.4	1247714.6	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3098	GF	W	294788.4	1247864.6	Residential	65	40	35	38	40	36	38	39	35	37	41	36	39	41	36	39	0.7	No
R3098	F 1	W	294788.4	1247864.6	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	0.8	No
R3099	GF	S	294795.9	1247696.6	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.9	No
R3101	GF	W	294791.7	1247886.7	Residential	65	40	35	38	40	36	38	39	35	37	41	37	39	41	37	39	0.8	No
R3101	F 1	W	294791.7	1247886.7	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	0.8	No
R3102	GF	S	294800.4	1247187.0	Residential	65	46	42	44	46	43	44	46	42	43	47	43	45	47	43	45	1.0	No
R3102	F 1	S	294800.4	1247187.0	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3103	GF	W	294795.0	1247903.6	Residential	65	40	36	38	40	36	38	39	36	37	41	37	39	41	37	39	0.9	No
R3103	F 1	W	294795.0	1247903.6	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	0.9	No
R3105	GF	W	294796.5	1247282.0	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R3107	GF	W	294799.1	1247923.1	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3107	F 1	W	294799.1	1247923.1	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.8	No
R3110	GF	W	294800.8	1247616.3	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.8	No
R3111	GF	W	294801.0	1247534.9	Residential	65	43	39	41	44	40	41	44	40	41	45	41	43	45	41	43	0.9	No
R3111	F 1	W	294801.0	1247534.9	Residential	65	47	42	45	47	43	45	47	44	45	49	45	47	48	44	46	1.0	No
R3113	GF	W	294801.3	1247959.9	Residential	65	40	35	38	40	36	38	39	36	37	41	37	39	41	37	39	0.8	No
R3117	GF	W	294801.8	1247937.6	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3117	F 1	W	294801.8	1247937.6	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.8	No
R3117	F 2	W	294801.8	1247937.6	Residential	65	42	37	40	42	38	40	42	38	39	43	39	41	43	39	41	1.2	No
R3118	GF	W	294802.1	1247728.3	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	42	37	40	0.8	No
R3119	GF	W	294803.5	1247515.7	Residential	65	42	38	40	42	39	40	42	38	40	44	39	42	43	39	41	1.0	No
R3119	F 1	W	294803.5	1247515.7	Residential	65	44	40	42	45	41	42	45	41	42	46	42	44	46	41	43	1.1	No
R3120	GF	W	294805.0	1247494.9	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R3120	F 1	W	294805.0	1247494.9	Residential	65	44	40	42	45	41	42	45	41	43	46	42	44	46	42	44	1.1	No
R3121	GF	W	294805.3	1247295.2	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R3122	GF	W	294806.7	1247479.4	Residential	65	40	36	38	40	37	38	40	36	38	41	37	39	41	37	39	0.9	No
R3122	F 1	W	294806.7	1247479.4	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3122	F 2	W	294806.7	1247479.4	Residential	65	46	42	44	47	43	44	47	43	44	48	44	46	48	43	46	1.0	No
R3123	GF	W	294807.9	1247671.8	Residential	65	40	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.0	No
R3125	GF	S	294824.8	1247605.1	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R3126	GF	S	294816.5	1247184.2	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.1	No
R3126	F 1	S	294816.5	1247184.2	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3128	GF	W	294811.3	1247312.7	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3132	GF	W	294814.2	1247549.9	Residential	65	41	37	39	41	38	39	41	37	39	43	38	40	42	38	40	1.0	No
R3132	F 1	W	294814.2	1247549.9	Residential	65	44	40	42	44	41	42	45	41	42	46	42	44	45	41	43	1.0	No
R3137	GF	W	294817.2	1247576.1	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3137	F 1	W	294817.2	1247576.1	Residential	65	45	41	43	45	42	43	45	41	43	47	42	45	46	42	44	1.1	No
R3139	GF	W	294817.6	1247955.3	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3140	GF	W	294818.2	1247838.8	Residential	65	39	34	36	39	35	37	38	34	36	40	35	38	40	35	38	0.8	No
R3142	GF	S	294830.7	1247252.5	Residential	65	47	43	45	47	44	45	47	43	45	48	44	47	48	44	47	1.0	No
R3143	GF	W	294823.4	1247781.1	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	40	0.8	No
R3144	GF	W	294823.7	1247634.1	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	0.9	No
R3144	F 1	W	294823.7	1247634.1	Residential	65	43	39	40	43	40	41	43	39	41	44	40	42	44	40	42	1.0	No
R3148	GF	NW	294824.9	1247333.3	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R3149	GF	W	294825.3	1247654.4	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	0.8	No
R3153	GF	W	294827.9	1247593.1	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R3153	F 1	W	294827.9	1247593.1	Residential	65	43	40	41	44	41	41	44	40	41	45	41	43	45	41	43	1.0	No
R3155	GF	W	294828.6	1247732.6	Residential	65	41	37	39	41	37	39	40	37	38	42	37	40	42	37	40	0.7	No
R3156	GF	S	294832.5	1247889.7	Residential	65	40	35	38	40	36	38	39	35	37	40	36	38	41	36	39	0.6	No
R3159	GF	W	294831.9	1247245.2	Residential	65	47	43	45	47	44	45	47	43	44	48	44	46	48	44	46	0.9	No
R3160	GF	W	294835.8	1247908.0	Residential	65	38	34	36	39	35	36	38	34	36	39	35	37	40	35	38	1.0	No
R3160	F 1	W	294835.8	1247908.0	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.7	No
R3161	GF	W	294833.2	1247700.3	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	40	0.9	No
R3161	F 1	W	294833.2	1247700.3	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R3161	F 2	W	294833.2	1247700.3	Residential	65	44	40	41	44	41	41	44	40	42	45	41	43	45	41	43	1.0	No
R3162	GF	W	294833.9	1247776.8	Residential	65	40	35	38	40	36	38	39	35	37	40	36	38	41	36	39	0.8	No
R3164	GF	NW	294835.0	1247344.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.8	No
R3166	GF	W	294835.2	1247715.9	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3166	F 1	W	294835.2	1247715.9	Residential	65	42	38	39	42	39	39	41	38	39	43	39	41	43	39	41	0.9	No
R3169	GF	W	294836.1	1247883.9	Residential	65	40	35	38	40	36	38	39	35	37	40	36	38	41	36	39	0.6	No
R3176	GF	N	294848.6	1247956.2	Residential	65	37	33	35	38	34	35	37	33	35	39	34	37	39	34	37	1.1	No
R3176	F 1	N	294848.6	1247956.2	Residential	65	38	34	36	39	35	37	38	34	36	40	35	38	40	35	38	1.3	No
R3177	GF	W	294841.5	1247666.1	Residential	65	41	36	39	41	37	39	40	36	38	42	37	40	42	37	40	0.7	No
R3178	GF	W	294841.7	1247737.4	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.7	No
R3178	F 1	W	294841.7	1247737.4	Residential	65	42	37	39	42	38	39	41	37	39	43	38	41	43	38	41	0.9	No
R3180	GF	W	294844.4	1247258.4	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R3180	F 1	W	294844.4	1247258.4	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3181	GF	W	294844.8	1247755.2	Residential	65	40	36	38	40	37	38	39	36	37	41	37	39	41	37	39	0.7	No
R3181	F 1	W	294844.8	1247755.2	Residential	65	40	35	37	40	36	37	39	35	37	41	36	39	41	36	39	0.9	No
R3186	GF	S	294856.6	1247873.9	Residential	65	38	34	36	38	35	36	37	34	35	39	35	37	39	35	38	1.0	No
R3186	F 1	S	294856.6	1247873.9	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.7	No
R3188	GF	W	294850.7	1247271.8	Residential	65	45	41	42	45	41	42	45	41	42	46	41	44	46	41	44	1.0	No
R3188	F 1	W	294850.7	1247271.8	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.1	No
R3191	GF	W	294851.2	1247798.6	Residential	65	39	34	37	39	36	37	38	34	36	40	36	38	40	36	38	0.7	No
R3191	F 1	W	294851.2	1247798.6	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	41	37	39	0.8	No
R3193	GF	S	294858.1	1247323.2	Residential	65	45	41	43	45	42	43	45	41	43	46	42	45	46	42	45	1.0	No
R3194	GF	W	294854.1	1247286.6	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	0.9	No
R3196	GF	W	294854.3	1247815.9	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3198	GF	NW	294854.8	1247182.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3199	GF	S	294861.1	1247929.8	Residential	65	39	34	37	39	35	37	38	34	36	39	35	37	40	35	38	0.8	No
R3202	GF	W	294858.6	1247834.4	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	39	0.8	No
R3202	F 1	W	294858.6	1247834.4	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	40	0.8	No
R3203	GF	W	294861.2	1247858.1	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	39	0.7	No
R3203	F 1	W	294861.2	1247858.1	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	42	37	40	0.7	No
R3204	GF	W	294861.5	1247387.7	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	0.9	No
R3204	F 1	W	294861.5	1247387.7	Residential	65	47	43	45	47	44	45	46	43	44	48	44	46	48	44	46	0.8	No
R3206	GF	NW	294862.9	1247194.8	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R3206	F 1	NW	294862.9	1247194.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3209	GF	W	294865.3	1247302.5	Residential	65	44	40	42	44	40	42	44	39	41	45	41	43	45	41	43	1.1	No
R3210	GF	S	294877.4	1247496.0	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3211	GF	S	294872.0	1247869.5	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.8	No
R3211	F 1	S	294872.0	1247869.5	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	39	0.7	No
R3212	GF	W	294865.9	1247897.1	Residential	65	38	33	35	38	34	36	37	33	35	38	34	36	39	34	37	0.7	No
R3212	F 1	W	294865.9	1247897.1	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3213	GF	W	294867.6	1247537.8	Residential	65	42	37	40	42	38	40	42	37	39	43	38	41	43	38	41	0.9	No
R3213	F 1	W	294867.6	1247537.8	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	1.0	No
R3216	GF	S	294874.6	1247326.9	Residential	65	45	40	42	45	41	43	44	40	42	46	41	44	46	41	44	0.9	No
R3218	GF	W	294869.5	1247550.0	Residential	65	42	37	40	42	38	40	41	37	39	43	38	41	43	38	41	1.0	No
R3220	GF	NW	294870.7	1247207.8	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.0	No
R3220	F 1	NW	294870.7	1247207.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3221	GF	W	294871.3	1247923.9	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.6	No
R3221	F 1	W	294871.3	1247923.9	Residential	65	40	35	38	40	36	38	40	36	37	41	37	39	41	37	39	0.9	No
R3222	GF	W	294872.3	1247911.1	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.7	No
R3223	GF	W	294872.8	1247566.4	Residential	65	42	37	39	42	38	39	41	37	39	43	38	40	43	38	41	0.8	No
R3226	GF	W	294875.1	1247937.0	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.6	No
R3228	GF	NW	294877.5	1247218.1	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	0.9	No
R3230	GF	S	294888.2	1247370.9	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R3231	GF	W	294878.9	1247604.2	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	42	37	40	0.8	No
R3231	F 1	W	294878.9	1247604.2	Residential	65	43	39	40	43	40	41	43	39	40	44	40	42	44	40	42	0.9	No
R3234	GF	W	294880.4	1247314.7	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	45	40	43	1.0	No
R3235	GF	W	294881.3	1247581.5	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3236	GF	W	294881.7	1247690.9	Residential	65	39	35	38	40	36	37	39	35	36	40	36	38	40	36	39	0.7	No
R3236	F 1	W	294881.7	1247690.9	Residential	65	41	37	39	41	38	39	40	37	38	42	38	40	42	38	40	0.9	No
R3238	GF	W	294883.9	1247623.9	Residential	65	40	36	38	40	37	38	39	36	37	41	37	39	41	37	39	0.7	No
R3238	F 1	W	294883.9	1247623.9	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	1.0	No
R3239	GF	W	294884.5	1247707.8	Residential	65	39	35	37	39	36	37	38	35	36	40	36	38	40	36	38	0.8	No
R3239	F 1	W	294884.5	1247707.8	Residential	65	40	36	38	41	37	38	40	36	38	41	37	39	42	37	40	0.9	No
R3240	GF	S	294894.7	1247331.9	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3241	GF	W	294885.7	1247646.8	Residential	65	40	35	38	40	36	38	39	35	37	40	36	38	41	36	39	0.8	No
R3241	F 1	W	294885.7	1247646.8	Residential	65	42	38	39	42	39	39	41	38	39	43	39	41	43	39	41	0.9	No
R3243	GF	NW	294886.7	1247233.0	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3244	GF	W	294887.3	1247659.4	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	41	36	39	0.7	No
R3244	F 1	W	294887.3	1247659.4	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	0.9	No
R3247	GF	W	294889.8	1247727.5	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	41	36	39	0.8	No
R3248	GF	W	294890.1	1247320.9	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R3250	GF	W	294892.6	1247750.4	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.7	No
R3250	F 1	W	294892.6	1247750.4	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3253	GF	W	294893.5	1247768.3	Residential	65	39	34	37	39	35	37	38	34	36	39	35	37	40	35	38	0.5	No
R3253	F 1	W	294893.5	1247768.3	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.8	No
R3254	GF	NW	294894.1	1247245.1	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	46	41	44	1.0	No
R3257	GF	S	294905.2	1247533.6	Industrial	n/a	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	0.9	No
R3257	F 1	S	294905.2	1247533.6	Industrial	n/a	44	40	41	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R3258	GF	W	294897.1	1247789.2	Residential	65	39	34	37	39	35	37	38	34	36	39	35	37	40	35	38	0.7	No
R3258	F 1	W	294897.1	1247789.2	Residential	65	40	35	38	40	36	38	39	35	37	41	36	39	41	36	39	0.7	No
R3262	GF	W	294901.6	1247811.0	Residential	65	39	34	37	39	35	37	38	34	35	39	35	37	40	35	38	0.6	No
R3263	GF	S	294909.3	1247680.7	Residential	65	37	33	36	38	34	36	37	33	34	38	34	36	39	34	37	0.7	No
R3263	F 1	S	294909.3	1247680.7	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	1.0	No
R3264	GF	W	294903.4	1247828.2	Residential	65	39	34	37	39	35	37	38	34	35	39	35	37	40	35	38	0.6	No
R3264	F 1	W	294903.4	1247828.2	Residential	65	39	34	37	39	35	37	38	34	36	39	35	37	40	35	38	0.7	No
R3266	GF	NW	294903.6	1247258.3	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R3268	GF	E	294917.1	1247652.8	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	40	35	38	0.8	No
R3272	GF	W	294910.5	1247849.4	Residential	65	38	34	37	39	35	37	38	34	35	39	35	37	39	35	38	0.6	No
R3272	F 1	W	294910.5	1247849.4	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.7	No
R3275	GF	W	294911.0	1247864.4	Residential	65	38	34	37	39	35	37	38	34	35	39	35	37	40	35	38	0.7	No
R3275	F 1	W	294911.0	1247864.4	Residential	65	39	35	37	40	36	37	39	35	37	40	36	38	41	36	39	0.8	No
R3277	GF	W	294913.7	1247882.4	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	39	35	37	0.7	No
R3281	GF	W	294916.5	1247908.0	Residential	65	38	34	36	39	35	36	38	34	36	39	35	37	40	35	38	0.9	No
R3281	F 1	W	294916.5	1247908.0	Residential	65	39	35	37	40	36	37	39	35	37	40	36	38	41	36	39	1.0	No
R3283	GF	W	294918.7	1247651.4	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	40	35	38	0.8	No
R3284	GF	W	294920.8	1247268.1	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R3286	GF	W	294922.8	1247615.5	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3288	GF	W	294923.9	1247764.7	Residential	65	39	34	37	39	35	37	38	34	36	40	35	37	40	35	38	0.8	No
R3289	GF	S	294929.3	1247388.6	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R3298	GF	W	294933.4	1247284.8	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R3298	F 1	W	294933.4	1247284.8	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3300	GF	W	294934.1	1247301.1	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R3300	F 1	W	294934.1	1247301.1	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3301	GF	W	294934.4	1247643.1	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.8	No
R3301	F 1	W	294934.4	1247643.1	Residential	65	41	37	39	42	38	39	41	37	39	42	38	40	42	38	40	0.9	No
R3302	GF	SW	294936.0	1247247.8	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R3303	GF	W	294936.1	1247318.5	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R3303	F 1	W	294936.1	1247318.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3304	GF	SE	294948.5	1247445.3	Residential	65	43	39	41	43	40	41	43	39	41	44	40	43	45	40	43	1.1	No
R3307	GF	W	294939.2	1247393.6	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R3307	F 1	W	294939.2	1247393.6	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3308	GF	W	294939.8	1247343.7	Residential	65	45	41	43	46	42	43	45	41	43	46	42	44	47	42	45	1.0	No
R3309	GF	W	294940.4	1247896.4	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3309	F 1	W	294940.4	1247896.4	Residential	65	39	34	37	39	35	37	39	35	36	40	36	38	40	36	38	0.9	No
R3310	GF	NW	294940.8	1247477.6	Residential	65	45	40	42	45	41	42	45	40	42	46	41	44	46	41	44	1.0	No
R3311	GF	W	294941.7	1247376.8	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	0.9	No
R3312	GF	W	294942.9	1247682.5	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	39	35	37	0.7	No
R3312	F 1	W	294942.9	1247682.5	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3312	F 2	W	294942.9	1247682.5	Residential	65	39	35	37	40	36	37	39	35	37	41	36	39	41	36	39	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3314	GF	W	294943.5	1247361.5	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.0	No
R3314	F 1	W	294943.5	1247361.5	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3317	GF	W	294945.0	1247237.1	Residential	65	41	37	39	42	38	39	41	37	39	42	38	41	43	38	41	0.9	No
R3318	GF	W	294945.4	1247423.5	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R3319	GF	W	294946.0	1247407.8	Residential	65	43	38	41	43	39	41	42	38	40	44	39	42	44	39	42	1.0	No
R3322	GF	W	294949.4	1247698.9	Residential	65	38	34	36	38	35	36	37	34	35	39	35	37	39	35	37	0.8	No
R3322	F 1	W	294949.4	1247698.9	Residential	65	38	33	35	38	34	35	37	33	35	39	34	37	39	34	37	0.8	No
R3325	GF	S	294959.6	1247632.8	Residential	65	38	34	36	38	35	36	38	34	35	39	35	37	39	35	37	0.8	No
R3326	GF	W	294952.3	1247437.3	Residential	65	41	37	39	41	38	39	40	37	38	42	38	40	42	38	40	0.8	No
R3326	F 1	W	294952.3	1247437.3	Residential	65	45	41	43	45	42	43	44	41	42	46	42	44	46	42	44	0.7	No
R3327	GF	NW	294957.8	1247495.5	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3331	GF	SW	294958.1	1247219.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.1	No
R3331	F 1	SW	294958.1	1247219.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3334	GF	W	294959.4	1247736.3	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.6	No
R3334	F 1	W	294959.4	1247736.3	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	0.8	No
R3335	GF	W	294960.5	1247884.2	Residential	65	38	33	36	38	34	36	37	33	35	39	34	36	39	34	37	0.7	No
R3335	F 1	W	294960.5	1247884.2	Residential	65	39	34	37	39	35	37	38	35	36	40	36	38	40	36	38	0.8	No
R3336	GF	W	294961.2	1247718.6	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.8	No
R3336	F 1	W	294961.2	1247718.6	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.8	No
R3339	GF	S	294983.9	1247606.1	Industrial	n/a	40	36	38	41	37	38	40	36	38	41	37	39	41	37	40	0.9	No
R3339	F 1	S	294983.9	1247606.1	Industrial	n/a	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.0	No
R3340	GF	W	294966.1	1247758.4	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3340	F 1	W	294966.1	1247758.4	Residential	65	39	34	37	39	35	37	38	34	36	39	35	38	40	35	38	0.7	No
R3344	GF	W	294970.5	1247776.8	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3346	GF	W	294974.1	1247639.2	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.8	No
R3346	F 1	W	294974.1	1247639.2	Residential	65	41	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.0	No
R3347	GF	S	294980.8	1247483.7	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R3348	GF	W	294976.3	1247837.3	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3348	F 1	W	294976.3	1247837.3	Residential	65	39	34	37	39	35	37	38	34	36	40	35	37	40	35	38	0.8	No
R3349	GF	W	294977.3	1247796.0	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.8	No
R3350	GF	W	294977.3	1247280.4	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	1.0	No
R3350	F 1	W	294977.3	1247280.4	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	1.0	No
R3351	GF	W	294978.6	1247812.8	Residential	65	38	34	36	39	35	36	37	34	35	39	35	37	39	35	37	0.6	No
R3352	GF	W	294979.4	1247302.7	Residential	65	41	37	39	42	38	39	41	37	39	42	38	41	43	38	41	1.0	No
R3352	F 1	W	294979.4	1247302.7	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3356	GF	W	294983.7	1247863.4	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.6	No
R3356	F 1	W	294983.7	1247863.4	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	40	35	38	0.7	No
R3358	GF	E	294998.4	1247357.7	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No
R3359	GF	S	294991.5	1247320.2	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3360	GF	E	294998.5	1247370.4	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R3364	GF	E	295002.4	1247390.5	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.0	No
R3366	GF	NW	294987.4	1247512.6	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	1.0	No
R3368	GF	SE	295000.1	1247462.7	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R3373	GF	E	295004.6	1247406.9	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R3374	GF	N	295007.4	1247312.6	Residential	65	42	38	40	42	39	40	42	38	40	43	39	41	43	39	41	1.0	No
R3378	GF	NW	294999.6	1247525.5	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R3378	F 1	NW	294999.6	1247525.5	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	1.0	No
R3381	GF	W	295000.2	1247671.6	Residential	65	38	33	36	38	34	36	37	33	35	39	34	36	39	34	37	0.6	No
R3382	GF	SW	295000.9	1247481.3	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R3384	GF	S	295005.8	1247318.5	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	1.0	No
R3384	F 1	S	295005.8	1247318.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3387	GF	SW	295006.6	1247244.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.1	No
R3387	F 1	SW	295006.6	1247244.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3388	GF	W	295003.6	1247691.4	Residential	65	37	33	35	38	34	35	37	33	35	38	34	36	39	34	37	0.8	No
R3388	F 1	W	295003.6	1247691.4	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.7	No
R3390	GF	SW	295007.0	1247417.3	Residential	65	45	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3392	GF	W	295007.0	1247713.6	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.7	No
R3392	F 1	W	295007.0	1247713.6	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.7	No
R3396	GF	W	295010.8	1247348.5	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R3396	F 1	W	295010.8	1247348.5	Residential	65	46	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R3397	GF	SE	295027.7	1247525.9	Residential	65	41	36	38	41	37	38	41	36	38	42	37	40	42	37	40	1.1	No
R3398	GF	W	295011.7	1247736.4	Residential	65	37	33	35	38	34	35	37	33	34	38	34	36	38	34	36	0.7	No
R3398	F 1	W	295011.7	1247736.4	Residential	65	38	34	36	39	35	36	37	34	35	39	35	37	39	35	37	0.6	No
R3399	GF	W	295012.7	1247369.5	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3399	F 1	W	295012.7	1247369.5	Residential	65	47	43	45	47	44	44	47	43	44	48	44	46	48	44	46	1.0	No
R3400	GF	W	295013.0	1247240.0	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	45	1.0	No
R3403	GF	W	295014.3	1247752.2	Residential	65	38	33	36	38	34	36	37	33	34	38	34	36	39	34	37	0.7	No
R3403	F 1	W	295014.3	1247752.2	Residential	65	38	34	36	39	35	36	38	34	36	39	35	37	40	35	38	0.8	No
R3405	GF	SW	295027.1	1247487.8	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3406	GF	W	295016.8	1247768.9	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3406	F 1	W	295016.8	1247768.9	Residential	65	38	34	36	39	35	36	38	34	36	39	35	38	40	35	38	0.7	No
R3407	GF	S	295023.0	1247430.4	Residential	65	45	41	43	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R3411	GF	W	295019.5	1247803.8	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3411	F 1	W	295019.5	1247803.8	Residential	65	38	34	36	38	35	36	38	34	35	39	35	37	39	35	37	0.8	No
R3412	GF	NW	295019.8	1247385.7	Residential	65	46	42	44	47	43	44	46	42	44	47	43	45	48	43	46	1.0	No
R3412	F 1	NW	295019.8	1247385.7	Residential	65	47	43	45	48	44	45	47	43	45	49	44	47	49	44	47	1.0	No
R3413	GF	W	295020.1	1247617.4	Industrial	n/a	41	37	39	42	38	39	41	37	39	42	38	40	43	38	41	0.9	No
R3414	GF	W	295020.1	1247784.1	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3414	F 1	W	295020.1	1247784.1	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	39	35	38	0.8	No
R3416	GF	SW	295027.5	1247399.9	Residential	65	46	42	44	46	43	44	46	42	44	47	43	45	47	43	45	0.9	No
R3421	GF	W	295029.1	1247269.6	Residential	65	43	39	41	43	40	41	43	39	40	44	40	42	44	40	42	0.9	No
R3421	F 1	W	295029.1	1247269.6	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3422	GF	SW	295030.0	1247515.5	Residential	65	42	38	40	43	39	40	42	38	40	44	39	42	44	39	42	0.9	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3426	GF	W	295029.9	1247674.1	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.6	No
R3426	F 1	W	295029.9	1247674.1	Residential	65	39	35	37	40	36	37	39	35	36	40	36	38	40	36	38	0.8	No
R3428	GF	NW	295033.5	1247453.1	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3430	GF	S	295042.1	1247231.7	Residential	65	45	41	42	45	42	43	45	41	42	46	42	44	46	42	44	1.0	No
R3430	F 1	S	295042.1	1247231.7	Residential	65	46	42	43	46	43	43	46	42	44	47	43	45	47	43	45	1.1	No
R3432	GF	W	295035.5	1247284.7	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	0.9	No
R3433	GF	SE	295047.2	1247497.3	Residential	65	41	37	39	42	38	39	41	37	39	43	38	41	43	38	41	1.1	No
R3436	GF	NW	295039.5	1247418.2	Residential	65	43	39	41	44	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R3436	F 1	NW	295039.5	1247418.2	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	0.9	No
R3438	GF	W	295038.8	1247297.9	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R3440	GF	W	295046.0	1247806.5	Residential	65	37	33	35	38	34	35	37	33	34	38	34	36	38	34	36	0.8	No
R3445	GF	W	295044.1	1247316.3	Residential	65	45	41	43	45	42	43	45	41	43	46	42	44	46	42	44	1.0	No
R3446	GF	S	295050.6	1247758.0	Residential	65	37	32	35	37	33	35	36	32	34	38	33	36	38	33	36	0.6	No
R3448	GF	S	295052.5	1247662.2	Residential	65	37	33	35	37	34	35	36	33	34	38	34	36	38	34	36	0.8	No
R3448	F 1	S	295052.5	1247662.2	Residential	65	40	35	38	40	36	38	40	35	38	41	36	39	41	36	39	1.0	No
R3450	GF	SE	295061.9	1247448.9	Residential	65	41	36	38	41	37	38	40	36	38	42	37	40	42	37	40	1.1	No
R3451	GF	W	295049.1	1247789.9	Residential	65	37	32	34	37	33	35	36	32	34	38	33	36	38	33	36	0.9	No
R3452	GF	W	295049.7	1247333.6	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3454	GF	S	295061.4	1247235.1	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3457	GF	NW	295056.1	1247431.9	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R3459	GF	W	295054.4	1247350.2	Residential	65	44	40	42	45	41	42	44	40	42	46	41	44	46	41	44	1.0	No
R3466	GF	NW	295061.3	1247367.9	Residential	65	46	42	43	46	43	43	46	42	43	47	43	45	47	43	45	0.9	No
R3466	F 1	NW	295061.3	1247367.9	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R3467	GF	S	295082.7	1247657.2	Residential	65	38	34	36	38	35	36	38	34	35	39	35	37	39	35	37	0.7	No
R3467	F 1	S	295082.7	1247657.2	Residential	65	38	34	36	39	35	36	38	34	36	39	35	37	40	35	38	0.9	No
R3468	GF	NW	295067.5	1247480.1	Residential	65	42	37	39	42	38	39	41	37	39	43	38	41	43	38	41	0.9	No
R3468	F 1	NW	295067.5	1247480.1	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R3469	GF	W	295065.0	1247269.2	Residential	65	46	41	43	46	42	43	46	41	43	47	42	45	47	42	45	1.0	No
R3470	GF	W	295066.2	1247762.5	Residential	65	38	33	36	38	34	36	37	33	35	38	34	36	39	34	37	0.6	No
R3470	F 1	W	295066.2	1247762.5	Residential	65	38	34	36	38	35	36	38	34	35	39	35	37	39	35	37	0.8	No
R3471	GF	NW	295071.7	1247441.6	Residential	65	44	40	41	44	41	42	43	40	41	45	41	43	45	41	43	0.7	No
R3471	F 1	NW	295071.7	1247441.6	Residential	65	43	39	41	44	40	41	43	39	41	45	40	42	45	40	42	0.8	No
R3475	GF	S	295078.6	1247238.9	Residential	65	44	40	42	44	41	42	44	40	41	45	41	43	45	41	43	1.0	No
R3476	GF	W	295070.0	1247710.2	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3478	GF	NW	295072.5	1247383.5	Residential	65	45	41	42	45	42	43	45	41	42	46	42	44	46	42	44	0.9	No
R3481	GF	W	295073.7	1247302.2	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3482	GF	W	295075.4	1247284.3	Residential	65	47	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.0	No
R3482	F 1	W	295075.4	1247284.3	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R3483	GF	SW	295077.9	1247454.9	Residential	65	43	39	41	43	40	41	43	39	41	44	40	42	44	40	42	0.9	No
R3484	GF	W	295076.2	1247320.0	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	1.0	No
R3486	GF	SW	295079.3	1247538.3	Residential	65	42	37	39	42	38	40	41	37	39	43	38	41	43	38	41	0.9	No
R3487	GF	SE	295088.5	1247623.3	Industrial	n/a	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	0.9	No
R3488	GF	W	295081.5	1247749.7	Residential	65	37	33	35	38	34	35	37	33	34	38	34	36	38	34	36	0.6	No
R3494	GF	NW	295084.5	1247394.8	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R3494	F 1	NW	295084.5	1247394.8	Residential	65	45	41	43	46	42	43	45	41	43	47	42	45	47	42	45	0.9	No
R3496	GF	W	295086.3	1247527.2	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.8	No
R3496	F 1	W	295086.3	1247527.2	Residential	65	44	40	42	44	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3498	GF	SE	295095.5	1247441.1	Residential	65	40	36	38	40	37	38	40	36	38	42	37	40	42	37	40	1.3	No
R3499	GF	W	295088.0	1247684.8	Residential	65	37	33	35	37	34	35	37	33	34	38	34	36	38	34	36	0.7	No
R3499	F 1	W	295088.0	1247684.8	Residential	65	40	36	38	41	37	38	40	36	37	41	37	39	41	37	39	0.8	No
R3503	GF	NW	295091.2	1247332.6	Residential	65	44	40	42	45	41	42	44	40	42	45	41	43	45	41	43	0.9	No
R3503	F 1	NW	295091.2	1247332.6	Residential	65	47	43	45	47	44	45	47	43	45	48	44	46	48	44	46	1.0	No
R3507	GF	NW	295092.5	1247350.4	Residential	65	45	41	43	45	42	42	45	41	43	46	42	44	46	42	44	1.1	No
R3507	F 1	NW	295092.5	1247350.4	Residential	65	46	42	44	47	43	44	46	42	44	48	43	46	48	43	46	1.1	No
R3509	GF	W	295095.4	1247726.2	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.7	No
R3509	F 1	W	295095.4	1247726.2	Residential	65	36	31	34	36	32	34	35	31	33	37	32	35	37	32	35	0.8	No
R3513	GF	SE	295106.7	1247394.6	Residential	65	39	35	37	40	36	37	39	35	37	41	36	39	41	36	39	1.0	No
R3517	GF	NW	295102.2	1247364.6	Residential	65	43	39	41	44	40	41	43	39	41	45	40	43	45	40	43	0.9	No
R3520	GF	W	295104.7	1247414.0	Residential	65	42	38	40	42	39	40	42	38	39	43	39	41	43	39	41	0.9	No
R3523	GF	W	295106.6	1247536.1	Residential	65	37	32	35	37	33	35	36	32	33	37	33	35	38	33	36	0.7	No
R3527	GF	NW	295114.8	1247503.7	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	0.8	No
R3532	GF	NW	295119.4	1247376.0	Residential	65	39	35	37	40	36	37	39	35	37	40	36	38	40	36	38	0.9	No
R3532	F 1	NW	295119.4	1247376.0	Residential	65	45	41	42	45	42	42	45	41	42	46	42	44	46	42	44	0.9	No
R3535	GF	S	295131.2	1247533.5	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	0.9	No
R3537	GF	SW	295124.8	1247397.3	Residential	65	40	35	37	40	36	37	40	35	37	41	36	39	41	36	39	1.0	No
R3541	GF	SW	295125.5	1247472.8	Residential	65	39	35	37	40	36	37	39	35	37	40	36	39	40	36	39	0.9	No
R3541	F 1	SW	295125.5	1247472.8	Residential	65	41	37	39	41	38	39	41	37	38	42	38	40	42	38	40	0.9	No
R3548	GF	SW	295131.8	1247641.2	Industrial	n/a	37	33	35	38	34	35	36	33	34	38	34	36	38	34	36	0.7	No
R3550	GF	W	295133.1	1247499.1	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.8	No
R3552	GF	S	295142.7	1247372.1	Residential	65	36	32	33	36	33	33	36	32	33	37	33	35	37	33	35	1.0	No
R3556	GF	SW	295138.1	1247458.5	Residential	65	39	34	37	39	35	37	38	34	36	40	35	38	40	35	38	0.9	No
R3556	F 1	SW	295138.1	1247458.5	Residential	65	39	35	37	39	36	37	39	35	37	40	36	39	41	36	39	1.1	No
R3557	GF	S	295145.6	1247536.0	Residential	65	38	34	36	39	35	36	38	34	35	39	35	37	39	35	37	0.9	No
R3561	GF	SW	295149.8	1247445.3	Residential	65	39	35	37	39	36	37	39	35	36	40	36	38	40	36	38	0.9	No
R3561	F 1	SW	295149.8	1247445.3	Residential	65	42	38	40	43	39	40	42	38	40	43	39	41	44	39	42	0.9	No
R3567	GF	W	295155.4	1247539.5	Residential	65	38	33	35	38	34	35	37	33	35	39	34	37	39	34	37	1.0	No
R3567	F 1	W	295155.4	1247539.5	Residential	65	41	37	38	41	38	38	40	37	38	42	38	40	42	38	40	0.9	No
R3569	GF	W	295156.9	1247493.8	Residential	65	37	33	35	37	34	35	36	33	34	38	34	36	38	34	36	0.7	No
R3570	GF	SW	295157.3	1247431.3	Residential	65	39	35	37	39	36	37	38	35	36	40	36	38	40	36	38	1.0	No
R3577	GF	S	295172.6	1247480.5	Residential	65	36	32	34	37	33	34	36	32	33	37	33	35	37	33	36	0.7	No
R3578	GF	S	295192.1	1247527.7	Residential	65	37	33	35	37	34	35	36	33	34	38	34	36	38	34	36	0.8	No
R3579	GF	NW	295178.3	1247457.3	Residential	65	36	32	34	37	33	34	36	32	34	37	33	35	38	33	36	0.8	No
R3579	F 1	NW	295178.3	1247457.3	Residential	65	38	34	36	39	35	36	38	34	36	40	35	38	40	35	38	1.0	No

Predicted operational noise results (LAeq, Day)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Day)	No build 2023 (Day), LAeq, 15 hour			No build 2033 (Day), LAeq, 15 hour			Build 2023 (Day), LAeq, 15 hour			Build 2033 (Day), LAeq, 15 hour			Build 2033 with wall (Day), LAeq, 15 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3586	GF	S	295192.3	1247485.1	Residential	65	37	32	35	37	33	35	36	32	34	38	33	36	38	33	36	0.8	No
R3589	GF	NW	295191.7	1247472.5	Residential	65	37	32	35	37	33	35	36	32	34	38	33	36	38	33	36	0.8	No
R3595	GF	SW	295209.4	1247490.8	Residential	65	38	33	36	38	34	36	37	33	35	39	34	37	39	34	37	0.8	No
R3595	F 1	SW	295209.4	1247490.8	Residential	65	40	36	38	40	37	38	40	36	37	41	37	39	41	37	39	1.0	No
R3597	GF	S	295219.2	1247519.4	Residential	65	37	33	35	37	34	35	37	33	34	38	34	36	38	34	36	0.7	No
R3602	GF	S	295236.7	1247520.6	Residential	65	35	31	33	36	32	33	35	31	32	36	32	34	36	32	34	0.8	No
R3602	F 1	S	295236.7	1247520.6	Residential	65	37	33	35	38	34	35	37	33	35	39	34	37	39	34	37	0.9	No
R3609	GF	S	295255.1	1247516.5	Residential	65	36	32	34	36	33	34	36	32	33	37	33	35	37	33	35	0.9	No

Appendix K – Predicted operational noise results (LAeq, Night)

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0010	GF	S	292970.2	1246181.3	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R0011	GF	N	292973.9	1246449.3	Residential	60	39	34	37	41	38	38	39	34	37	41	37	39	42	38	39	1.0	No
R0012	GF	N	292976.3	1246150.8	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	1.0	No
R0013	GF	S	292984.3	1246186.4	Residential	60	36	31	34	37	34	34	36	31	34	38	34	36	38	34	36	1.0	No
R0014	GF	N	292990.0	1246443.4	Residential	60	39	34	37	40	37	37	38	33	37	41	37	38	41	37	39	1.1	No
R0015	GF	S	292993.4	1246144.5	Residential	60	36	31	35	37	34	35	36	31	35	38	34	36	38	34	36	1.0	No
R0017	GF	NE	293004.0	1246111.5	Residential	60	39	34	37	40	37	37	38	33	37	41	37	38	41	37	39	1.0	No
R0018	GF	S	293000.4	1246189.1	Residential	60	37	32	36	39	35	36	37	32	36	40	35	37	40	35	37	1.0	No
R0019	GF	N	293005.9	1246401.3	Residential	60	38	33	36	39	36	36	37	33	36	40	36	37	40	36	38	1.0	No
R0020	GF	NE	293009.4	1246164.8	Residential	60	36	31	35	38	35	35	36	31	35	39	35	36	39	35	37	1.0	No
R0021	GF	N	293007.8	1246444.9	Residential	60	37	32	35	38	35	35	36	31	34	38	34	36	39	35	37	1.2	No
R0022	GF	E	293016.2	1246086.0	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0023	GF	E	293016.9	1246357.9	Residential	60	39	34	37	41	38	37	39	34	37	41	37	39	42	38	39	1.0	No
R0024	GF	E	293020.0	1246060.8	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	1.0	No
R0025	GF	S	293013.7	1246197.5	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R0027	GF	E	293024.1	1245900.6	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	41	37	38	1.1	No
R0028	GF	NE	293020.9	1246111.0	Residential	60	37	32	36	39	35	36	37	32	36	39	35	37	39	35	37	1.0	No
R0029	GF	E	293024.3	1245918.2	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	37	38	1.0	No
R0030	GF	E	293025.8	1246294.6	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0031	GF	S	293023.1	1246246.9	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.9	No
R0032	GF	E	293029.0	1246276.9	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0033	GF	NE	293029.4	1246344.8	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R0034	GF	N	293024.3	1246402.5	Residential	60	38	33	36	39	36	36	37	32	35	39	36	37	40	36	38	1.0	No
R0035	GF	SE	293027.6	1246160.5	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	41	36	38	1.1	No
R0036	GF	E	293028.9	1246311.1	Residential	60	39	34	38	41	37	37	39	34	37	41	37	39	42	38	39	1.0	No
R0037	GF	E	293030.6	1246447.1	Residential	60	38	33	37	40	37	36	38	33	36	40	36	38	41	37	38	1.0	No
R0038	GF	E	293030.0	1246327.3	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	1.0	No
R0039	GF	SE	293032.1	1245930.0	Residential	60	36	31	35	38	35	34	36	31	35	38	34	36	39	35	36	1.1	No
R0039	F 1	SE	293032.1	1245930.0	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	40	1.2	No
R0040	GF	E	293036.4	1246208.3	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0041	GF	SE	293030.8	1246114.1	Residential	60	37	32	36	39	35	36	38	32	36	40	35	38	40	35	38	1.1	No
R0043	GF	N	293031.8	1246190.8	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	1.0	No
R0044	GF	S	293034.7	1246345.8	Residential	60	38	33	37	40	37	37	38	33	37	41	37	38	41	37	39	1.0	No
R0045	GF	N	293037.9	1246406.0	Residential	60	37	32	36	39	36	36	37	32	35	39	35	37	40	36	37	1.0	No
R0046	GF	NW	293034.0	1245948.6	Residential	60	39	34	37	40	37	37	38	33	36	40	36	38	41	37	39	1.0	No
R0047	GF	N	293041.3	1246264.5	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R0048	GF	NW	293040.8	1246131.5	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	1.0	No
R0050	GF	SE	293067.1	1246356.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0051	GF	NW	293050.3	1245963.6	Residential	60	39	34	37	41	37	38	39	34	37	41	37	39	42	38	39	1.0	No
R0052	GF	N	293056.3	1246262.0	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R0053	GF	E	293062.2	1246404.6	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R0054	GF	E	293064.7	1246344.8	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0055	GF	E	293064.3	1245907.6	Residential	60	36	31	35	38	35	35	36	31	35	39	34	36	39	35	36	1.0	No
R0055	F 1	E	293064.3	1245907.6	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	39	40	1.0	No
R0056	GF	E	293066.5	1246330.5	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0057	GF	E	293071.1	1246296.2	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0058	GF	SE	293067.8	1246129.7	Residential	60	41	36	39	42	39	39	40	35	39	43	38	40	43	39	41	1.0	No
R0059	GF	NE	293070.0	1246378.0	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R0060	GF	N	293068.6	1245971.8	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	1.0	No
R0060	F 1	N	293068.6	1245971.8	Residential	60	42	37	40	43	40	40	41	36	39	43	39	41	44	40	41	1.0	No
R0061	GF	E	293073.1	1246312.9	Residential	60	40	35	38	41	38	38	39	34	38	42	38	39	42	38	40	1.0	No
R0062	GF	N	293069.6	1246215.7	Residential	60	39	34	37	40	37	37	38	34	37	41	37	39	41	37	39	1.0	No
R0063	GF	E	293074.5	1246280.6	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	1.1	No
R0064	GF	NE	293075.4	1246465.6	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R0065	GF	E	293078.8	1246257.1	Residential	60	40	35	38	41	38	38	39	34	38	42	38	40	42	38	40	1.0	No
R0066	GF	E	293079.0	1246150.2	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0067	GF	E	293079.2	1246183.2	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0068	GF	E	293078.1	1246167.3	Residential	60	41	36	39	42	39	39	40	35	39	43	38	41	43	39	41	0.9	No
R0069	GF	S	293075.3	1246410.8	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	41	37	38	0.9	No
R0071	GF	NE	293086.0	1245925.8	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	41	37	38	1.2	No
R0072	GF	W	293074.9	1245907.6	Residential	60	36	31	34	37	34	34	36	31	34	38	34	36	38	34	36	1.0	No
R0074	GF	E	293088.8	1246499.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0075	GF	N	293084.2	1246217.5	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R0075	F 1	N	293084.2	1246217.5	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	42	43	0.9	No
R0076	GF	E	293089.9	1246480.1	Residential	60	40	34	38	41	38	38	39	34	38	42	37	39	42	38	40	1.0	No
R0077	GF	NE	293089.5	1246384.6	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	1.0	No
R0079	GF	N	293085.4	1245969.0	Residential	60	38	33	36	39	36	36	37	32	36	40	36	38	40	36	38	1.1	No
R0080	GF	S	293090.9	1246414.1	Residential	60	39	33	37	40	37	37	38	33	37	41	37	39	41	37	38	0.9	No
R0081	GF	SE	293096.3	1246459.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0084	GF	E	293101.5	1245902.4	Residential	60	38	33	37	40	37	37	38	33	37	41	37	38	41	37	38	1.0	No
R0085	GF	E	293099.8	1245920.5	Residential	60	38	33	37	40	37	37	38	33	36	40	36	38	41	37	38	1.0	No
R0085	F 1	E	293099.8	1245920.5	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R0086	GF	NE	293104.1	1246518.4	Residential	60	39	34	37	40	37	37	38	34	37	41	37	38	41	37	39	1.0	No
R0087	GF	E	293106.2	1245981.0	Residential	60	41	36	39	42	39	39	40	35	39	42	39	40	43	39	41	1.1	No
R0089	GF	N	293100.6	1246215.9	Residential	60	41	36	39	42	39	39	40	35	38	43	39	40	43	39	40	0.9	No
R0090	GF	N	293100.3	1245972.8	Residential	60	38	33	36	39	36	36	37	32	36	40	36	37	40	36	38	0.9	No
R0090	F 1	N	293100.3	1245972.8	Residential	60	42	37	40	43	40	40	41	36	39	44	40	41	44	40	42	1.0	No
R0091	GF	NE	293111.5	1246374.7	Residential	60	40	35	38	41	38	38	39	34	38	42	38	40	42	38	40	1.0	No
R0092	GF	SE	293105.4	1246416.6	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	39	0.9	No
R0093	GF	E	293114.5	1246334.2	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	1.0	No
R0095	GF	E	293114.0	1246284.1	Residential	60	41	36	39	42	39	39	40	35	39	43	39	40	43	39	41	1.0	No
R0096	GF	N	293108.2	1246263.4	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	38	39	1.0	No
R0097	GF	E	293113.9	1246316.4	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0098	GF	E	293113.3	1246300.8	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0099	GF	E	293112.9	1246352.5	Residential	60	40	35	38	41	38	38	39	34	38	42	38	39	42	38	40	1.0	No
R0101	GF	N	293110.7	1245926.1	Residential	60	39	34	37	41	37	38	39	34	37	41	37	39	41	37	39	1.0	No
R0102	GF	E	293123.2	1246512.8	Residential	60	41	36	39	42	39	39	40	36	38	43	39	40	43	39	40	0.9	No
R0103	GF	N	293116.6	1246217.4	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0104	GF	N	293117.9	1245976.4	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	39	40	1.0	No
R0105	GF	S	293119.5	1246424.4	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.9	No
R0106	GF	S	293123.7	1246254.1	Residential	60	38	33	37	40	36	37	38	33	37	41	36	38	41	36	38	1.0	No
R0107	GF	N	293125.4	1245926.5	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	43	39	40	1.0	No
R0108	GF	NE	293132.7	1246504.9	Residential	60	41	36	39	42	39	39	40	36	38	43	39	40	43	39	41	0.9	No
R0110	GF	N	293134.2	1246220.1	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	1.0	No
R0111	GF	NE	293140.8	1246439.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0112	GF	S	293135.8	1246472.8	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R0115	GF	N	293136.8	1245972.5	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.1	No
R0115	F 1	N	293136.8	1245972.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0116	GF	E	293145.8	1246376.8	Residential	60	41	35	39	42	39	39	40	35	39	43	39	40	43	39	40	0.9	No
R0117	GF	N	293145.3	1246355.7	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0118	GF	N	293141.4	1245924.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0119	GF	SE	293145.4	1246255.4	Residential	60	39	34	38	41	38	38	39	34	38	42	37	39	42	38	39	1.0	No
R0120	GF	E	293146.7	1246366.7	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	41	0.9	No
R0121	GF	E	293149.6	1246398.2	Residential	60	40	34	38	41	38	38	39	34	38	42	38	40	42	38	40	1.0	No
R0123	GF	E	293154.2	1246334.0	Residential	60	41	35	39	42	39	39	40	35	38	43	39	40	43	39	41	1.0	No
R0124	GF	S	293152.9	1246479.8	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	39	0.8	No
R0125	GF	E	293158.3	1246318.9	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R0126	GF	E	293156.2	1246555.0	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	42	43	0.8	No
R0127	GF	SE	293157.5	1246568.9	Residential	60	41	36	39	43	40	39	41	36	39	43	39	41	44	40	41	1.0	No
R0128	GF	E	293159.3	1246304.6	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0129	GF	SE	293156.2	1245962.9	Residential	60	37	32	36	39	36	36	37	32	36	40	36	37	40	36	38	1.1	No
R0130	GF	S	293153.5	1246433.9	Residential	60	40	35	39	42	38	39	40	35	39	43	38	40	43	38	40	0.9	No
R0131	GF	E	293164.4	1246264.4	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0132	GF	E	293160.9	1246286.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0133	GF	N	293150.9	1246226.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0134	GF	E	293163.8	1246543.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	41	44	41	42	0.7	No
R0135	GF	NW	293155.5	1245926.3	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0137	GF	NE	293165.7	1246413.2	Residential	60	42	37	40	43	40	40	41	37	40	44	40	41	44	40	41	0.8	No
R0138	GF	E	293170.9	1246526.7	Residential	60	42	37	40	43	40	40	41	37	39	44	40	41	44	40	41	0.8	No
R0139	GF	S	293168.6	1246439.1	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.8	No
R0140	GF	NE	293170.2	1246590.3	Residential	60	45	40	43	46	44	43	44	40	42	47	43	44	47	44	44	0.6	No
R0141	GF	N	293170.6	1246222.0	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0142	GF	N	293171.4	1245930.5	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	41	1.1	No
R0142	F 1	N	293171.4	1245930.5	Residential	60	42	37	41	44	40	40	42	37	40	44	40	42	45	41	42	1.0	No
R0143	GF	SE	293176.3	1245977.6	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	42	38	39	1.2	No
R0143	F 1	SE	293176.3	1245977.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	40	41	1.0	No
R0144	GF	E	293178.3	1246509.2	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	42	0.7	No
R0145	GF	S	293170.7	1246029.6	Residential	60	35	30	33	36	33	33	35	30	33	37	33	35	37	33	35	1.0	No
R0146	GF	E	293182.4	1246494.1	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.8	No
R0147	GF	N	293179.8	1246051.3	Residential	60	35	30	33	37	34	33	35	30	33	37	34	35	37	34	35	0.9	No
R0148	GF	E	293187.2	1245995.7	Residential	60	42	37	40	43	40	40	41	36	39	43	40	41	44	40	42	1.0	No
R0149	GF	NE	293185.1	1246404.2	Residential	60	42	37	40	43	40	40	41	36	39	44	40	41	44	40	41	0.9	No
R0151	GF	E	293194.0	1246014.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	40	41	1.0	No
R0151	F 1	E	293194.0	1246014.5	Residential	60	43	38	41	44	41	41	42	38	40	45	41	42	45	41	43	1.0	No
R0152	GF	N	293186.5	1246590.4	Residential	60	45	40	43	47	44	43	44	40	42	47	43	44	47	44	44	0.5	No
R0153	GF	N	293183.5	1246457.9	Residential	60	40	35	38	41	38	38	39	34	38	42	38	39	42	38	40	1.1	No
R0154	GF	N	293184.6	1245932.1	Residential	60	39	34	38	41	37	38	39	34	37	41	37	39	42	38	39	1.0	No
R0155	GF	E	293185.5	1245908.2	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0158	GF	E	293190.7	1246370.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0159	GF	N	293187.7	1246222.3	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0160	GF	NE	293192.4	1246389.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0161	GF	E	293191.3	1246351.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0163	GF	E	293193.9	1246335.5	Residential	60	42	37	40	43	40	40	41	36	40	44	40	41	44	40	42	1.0	No
R0164	GF	E	293198.6	1246033.7	Residential	60	40	35	39	42	39	39	40	35	39	42	39	40	43	39	40	0.8	No
R0164	F 1	E	293198.6	1246033.7	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R0165	GF	E	293196.0	1246273.4	Residential	60	42	37	40	43	40	40	41	36	39	44	40	41	44	40	41	0.9	No
R0166	GF	E	293197.1	1246324.2	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0168	GF	E	293198.2	1246301.5	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	1.0	No
R0169	GF	S	293195.3	1246277.9	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.9	No
R0170	GF	NE	293202.8	1246578.5	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.6	No
R0171	GF	SE	293209.3	1246053.0	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.1	No
R0171	F 1	SE	293209.3	1246053.0	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R0172	GF	N	293196.3	1246268.5	Residential	60	40	36	39	42	39	39	40	35	38	42	39	40	43	39	40	1.0	No
R0174	GF	E	293205.1	1246560.6	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.5	No
R0175	GF	E	293210.9	1245907.8	Residential	60	39	34	37	40	37	37	39	33	37	41	37	39	41	37	39	1.1	No
R0176	GF	NE	293221.5	1246094.8	Residential	60	42	37	40	43	40	40	41	36	40	44	39	41	44	40	42	1.1	No
R0177	GF	E	293207.4	1246544.7	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.5	No
R0178	GF	N	293203.4	1246465.2	Residential	60	39	34	37	40	37	37	38	34	37	41	37	38	41	37	39	1.1	No
R0179	GF	S	293204.1	1247567.1	Residential	60	44	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.8	No
R0180	GF	N	293205.7	1246224.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0181	GF	N	293206.7	1245935.6	Residential	60	40	35	38	41	38	38	39	34	38	42	38	40	42	38	40	1.1	No
R0182	GF	E	293213.3	1246530.6	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.6	No
R0183	GF	N	293212.3	1246269.3	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0184	GF	E	293216.0	1246289.8	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	44	40	41	0.9	No
R0185	GF	N	293213.6	1246513.6	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	44	41	42	0.9	No
R0186	GF	SE	293220.0	1247581.6	Residential	60	43	37	41	44	41	41	42	37	40	44	41	42	45	41	42	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0187	GF	E	293234.1	1246377.5	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R0188	GF	E	293228.0	1246408.3	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.8	No
R0189	GF	S	293219.2	1247595.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R0189	F 1	S	293219.2	1247595.8	Residential	60	45	40	43	46	43	43	44	40	42	46	43	44	47	43	44	0.7	No
R0190	GF	N	293217.9	1245979.1	Residential	60	39	34	37	40	37	37	39	34	38	41	37	39	41	37	39	1.2	No
R0190	F 1	N	293217.9	1245979.1	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0191	GF	E	293225.9	1246425.6	Residential	60	45	39	43	46	43	43	44	39	42	46	43	44	46	43	44	0.6	No
R0192	GF	E	293225.1	1247616.7	Residential	60	41	36	39	42	39	39	40	35	38	42	39	40	43	39	40	0.8	No
R0193	GF	NE	293229.3	1246081.1	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0193	F 1	NE	293229.3	1246081.1	Residential	60	44	39	42	45	42	42	43	39	42	46	42	44	46	42	44	1.0	No
R0195	GF	E	293226.2	1246441.8	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.8	No
R0196	GF	E	293226.7	1247632.0	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0197	GF	E	293227.0	1246469.2	Residential	60	45	40	44	47	44	44	45	40	43	47	44	45	47	44	45	0.7	No
R0197	F 1	E	293227.0	1246469.2	Residential	60	46	41	45	48	44	45	46	41	44	48	44	46	48	45	46	0.7	No
R0198	GF	E	293229.2	1245994.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0199	GF	E	293229.8	1246393.7	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R0200	GF	N	293222.8	1245933.9	Residential	60	39	34	38	41	38	38	39	34	37	41	38	39	42	38	40	1.0	No
R0200	F 1	N	293222.8	1245933.9	Residential	60	43	38	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0201	GF	E	293228.9	1247646.1	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	45	41	42	1.0	No
R0202	GF	E	293228.8	1246458.0	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.9	No
R0202	F 1	E	293228.8	1246458.0	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.8	No
R0203	GF	N	293228.5	1246227.1	Residential	60	41	35	39	42	39	39	40	35	38	43	39	40	43	39	40	0.9	No
R0204	GF	E	293231.2	1247661.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	42	43	0.9	No
R0205	GF	E	293233.1	1246360.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	0.8	No
R0206	GF	S	293226.8	1247671.9	Residential	60	43	38	41	44	41	41	42	38	40	45	41	42	45	41	42	0.8	No
R0207	GF	N	293226.8	1246518.6	Residential	60	42	38	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R0208	GF	E	293237.1	1246016.9	Residential	60	39	34	38	41	38	38	39	34	38	42	38	39	42	38	39	0.9	No
R0208	F 1	E	293237.1	1246016.9	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	42	43	0.9	No
R0209	GF	E	293242.0	1247692.5	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.7	No
R0210	GF	E	293234.2	1246343.9	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.9	No
R0211	GF	N	293234.4	1245980.3	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	43	39	40	1.0	No
R0212	GF	E	293237.9	1247706.8	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.6	No
R0213	GF	S	293237.2	1246261.7	Residential	60	40	35	39	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0214	GF	E	293245.4	1247721.5	Residential	60	44	39	43	46	43	42	44	39	42	46	42	44	46	43	44	0.8	No
R0215	GF	E	293238.6	1246328.1	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0216	GF	E	293247.4	1247739.4	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	45	42	43	0.8	No
R0216	F 1	E	293247.4	1247739.4	Residential	60	46	41	44	48	45	44	46	41	44	48	44	45	48	45	46	0.6	No
R0216	F 2	E	293247.4	1247739.4	Residential	60	47	42	45	48	46	45	46	42	45	49	45	46	49	46	46	0.6	No
R0217	GF	N	293237.0	1246046.3	Residential	60	39	34	38	41	37	37	39	34	37	41	37	39	42	38	39	1.0	No
R0219	GF	E	293244.9	1247752.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.7	No
R0220	GF	N	293236.6	1246317.0	Residential	60	43	38	41	44	41	41	42	37	40	45	41	42	45	41	43	1.0	No
R0221	GF	S	293239.3	1247833.5	Residential	60	42	37	41	44	41	40	42	37	40	44	40	42	44	41	42	0.9	No
R0222	GF	N	293240.5	1245938.8	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.1	No
R0222	F 1	N	293240.5	1245938.8	Residential	60	43	38	41	44	41	41	42	38	40	45	41	42	45	41	43	0.8	No
R0223	GF	N	293241.8	1246528.7	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.7	No
R0225	GF	E	293253.5	1247790.6	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.8	No
R0225	F 1	E	293253.5	1247790.6	Residential	60	47	42	45	48	45	45	46	42	44	48	45	46	49	45	46	0.6	No
R0226	GF	S	293247.9	1246217.9	Residential	60	40	34	38	41	38	38	39	35	38	42	38	40	42	38	40	0.8	No
R0227	GF	E	293248.9	1246297.4	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.1	No
R0229	GF	E	293247.2	1246000.9	Residential	60	40	35	39	42	39	39	40	35	39	43	39	40	43	39	41	1.0	No
R0230	GF	N	293249.6	1246103.3	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.9	No
R0231	GF	E	293249.2	1247676.7	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.9	No
R0233	GF	SE	293255.0	1247550.6	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0234	GF	E	293252.3	1247581.0	Residential	60	43	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.8	No
R0235	GF	E	293267.2	1247614.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0236	GF	NE	293256.2	1246277.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0237	GF	NE	293252.7	1246515.1	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.7	No
R0238	GF	E	293255.4	1247595.5	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0239	GF	N	293248.0	1245985.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0242	GF	N	293256.0	1245939.0	Residential	60	38	33	37	40	37	37	38	33	37	41	37	38	41	37	39	0.9	No
R0243	GF	S	293255.3	1247560.9	Residential	60	41	36	39	42	39	39	40	35	39	43	38	40	43	39	41	0.9	No
R0243	F 1	S	293255.3	1247560.9	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	43	44	0.7	No
R0244	GF	S	293257.7	1247762.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0245	GF	E	293264.2	1247841.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0246	GF	N	293259.3	1246054.8	Residential	60	40	35	39	42	39	39	40	35	39	42	38	40	43	39	40	1.0	No
R0247	GF	S	293260.6	1247792.7	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	45	42	43	0.8	No
R0249	GF	NE	293266.5	1246506.2	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.7	No
R0250	GF	E	293268.7	1247630.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0250	F 1	E	293268.7	1247630.4	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	46	0.6	No
R0251	GF	E	293271.7	1247646.4	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.8	No
R0251	F 1	E	293271.7	1247646.4	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.7	No
R0252	GF	NE	293265.7	1245987.2	Residential	60	40	36	39	42	39	39	40	35	38	43	39	40	43	39	40	0.9	No
R0254	GF	N	293265.1	1246091.6	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	1.0	No
R0254	F 1	N	293265.1	1246091.6	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.8	No
R0255	GF	E	293274.6	1247661.9	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	45	0.9	No
R0258	GF	SE	293273.1	1246228.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0259	GF	NE	293294.6	1246484.3	Residential	60	46	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.8	No
R0260	GF	N	293301.9	1247583.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0260	F 1	N	293301.9	1247583.5	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.7	No
R0261	GF	E	293280.6	1247561.6	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R0262	GF	E	293295.2	1246482.5	Residential	60	46	41	44	47	44	44	46	41	44	48	44	45	48	45	46	0.8	No
R0263	GF	E	293274.6	1246104.0	Residential	60	43	38	41	44	41	41	42	38	41	45	41	43	45	41	43	1.0	No
R0264	GF	S	293272.3	1247681.7	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.7	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0267	GF	E	293282.6	1247703.4	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R0268	GF	N	293273.9	1246054.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	1.0	No
R0269	GF	N	293273.9	1245946.4	Residential	60	38	33	37	40	37	37	38	33	37	41	37	38	41	37	39	1.1	No
R0270	GF	S	293275.5	1247792.3	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	0.9	No
R0270	F 1	S	293275.5	1247792.3	Residential	60	47	42	45	48	45	45	46	41	44	48	45	45	49	45	46	0.6	No
R0271	GF	E	293285.8	1247715.1	Residential	60	44	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.7	No
R0271	F 1	E	293285.8	1247715.1	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.7	No
R0272	GF	E	293285.2	1247849.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R0272	F 1	E	293285.2	1247849.9	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.8	No
R0273	GF	E	293289.9	1247731.9	Residential	60	43	38	41	44	41	41	42	37	40	45	41	42	45	41	42	0.7	No
R0273	F 1	E	293289.9	1247731.9	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.7	No
R0274	GF	N	293278.3	1245992.0	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	1.0	No
R0276	GF	E	293293.1	1247763.2	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0276	F 1	E	293293.1	1247763.2	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	46	46	0.6	No
R0277	GF	NW	293287.8	1246329.9	Educational institute	55	41	37	40	43	40	40	41	37	39	44	40	41	44	40	41	0.9	No
R0277	F 1	NW	293287.8	1246329.9	Educational institute	55	45	40	43	46	43	43	45	40	43	47	43	45	47	44	45	0.9	No
R0280	GF	N	293283.2	1246093.2	Residential	60	42	37	40	43	40	40	41	36	39	44	40	41	44	40	42	0.9	No
R0283	GF	E	293292.2	1247747.0	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	43	1.0	No
R0283	F 1	E	293292.2	1247747.0	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.6	No
R0284	GF	E	293307.1	1247289.2	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.7	No
R0285	GF	E	293320.3	1247330.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.7	No
R0285	F 1	E	293320.3	1247330.8	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.7	No
R0288	GF	E	293299.6	1246247.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0290	GF	N	293289.4	1246055.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0290	F 1	N	293289.4	1246055.8	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.8	No
R0291	GF	NW	293287.2	1246351.3	Educational institute	55	43	38	41	44	41	41	42	38	40	45	41	42	45	41	42	0.9	No
R0292	GF	E	293297.7	1247778.6	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0292	F 1	E	293297.7	1247778.6	Residential	60	47	42	45	48	45	45	46	42	44	48	45	46	49	45	46	0.6	No
R0293	GF	N	293294.2	1245993.3	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	1.1	No
R0294	GF	E	293304.2	1245931.1	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0294	F 1	E	293304.2	1245931.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0295	GF	E	293302.6	1247802.0	Residential	60	44	39	42	45	43	42	44	39	42	46	42	44	46	42	44	0.7	No
R0295	F 1	E	293302.6	1247802.0	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.5	No
R0299	GF	S	293296.2	1247850.6	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	42	1.0	No
R0301	GF	S	293295.5	1247595.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R0302	GF	SE	293317.6	1246303.4	Educational institute	55	41	35	39	42	38	39	40	35	39	43	38	41	43	38	41	0.9	No
R0302	F 1	SE	293317.6	1246303.4	Educational institute	55	43	37	41	44	40	41	42	37	41	44	40	42	44	40	42	0.9	No
R0304	GF	E	293303.7	1247614.0	Residential	60	41	36	39	43	40	39	41	36	39	43	39	41	43	40	41	0.9	No
R0305	GF	N	293301.0	1246098.8	Residential	60	43	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.8	No
R0306	GF	E	293304.8	1247627.5	Residential	60	41	36	39	43	40	39	41	36	39	43	39	41	43	40	41	0.9	No
R0307	GF	E	293306.5	1247640.0	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	44	41	42	0.9	No
R0308	GF	N	293303.4	1246053.1	Residential	60	42	36	40	43	40	40	41	36	39	43	39	41	44	40	42	1.1	No
R0309	GF	E	293310.9	1247392.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.7	No
R0309	F 1	E	293310.9	1247392.0	Residential	60	47	42	46	49	46	46	47	42	45	49	46	47	49	46	47	0.6	No
R0312	GF	N	293308.5	1246371.1	Educational institute	55	43	38	42	45	42	42	43	38	41	45	41	43	46	42	44	1.1	No
R0314	GF	E	293325.1	1246004.8	Residential	60	42	37	40	43	40	40	41	36	40	44	40	41	44	40	42	1.0	No
R0314	F 1	E	293325.1	1246004.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0314	F 2	E	293325.1	1246004.8	Residential	60	46	40	44	47	44	44	45	40	44	47	44	45	48	44	46	0.9	No
R0318	GF	E	293323.1	1247665.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.8	No
R0319	GF	E	293364.1	1247461.3	Residential	60	39	34	37	40	37	37	38	33	37	41	37	38	41	37	39	1.0	No
R0319	F 1	E	293364.1	1247461.3	Residential	60	46	41	45	48	45	45	46	41	44	48	45	45	48	45	46	0.5	No
R0321	GF	N	293315.3	1245945.0	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.1	No
R0323	GF	E	293321.8	1246097.0	Residential	60	43	37	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R0324	GF	E	293385.2	1247544.7	Residential	60	45	40	43	46	43	43	44	39	42	46	42	44	47	43	44	0.8	No
R0324	F 1	E	293385.2	1247544.7	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.6	No
R0325	GF	E	293327.5	1246050.2	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	1.0	No
R0326	GF	E	293333.1	1247678.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0327	GF	E	293342.7	1247444.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0327	F 1	E	293342.7	1247444.4	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.6	No
R0328	GF	E	293333.4	1247694.6	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.8	No
R0328	F 1	E	293333.4	1247694.6	Residential	60	47	42	45	48	45	45	47	42	45	49	45	46	49	46	47	0.7	No
R0329	GF	E	293330.2	1246368.8	Educational institute	55	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R0331	GF	S	293352.3	1247385.3	Residential	60	44	38	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R0331	F 1	S	293352.3	1247385.3	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	50	46	47	0.6	No
R0332	GF	E	293332.9	1247709.5	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	47	44	45	0.6	No
R0332	F 1	E	293332.9	1247709.5	Residential	60	47	42	45	48	45	45	47	42	45	49	45	46	49	45	47	0.7	No
R0333	GF	N	293328.7	1245943.6	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.1	No
R0334	GF	E	293339.4	1247723.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	43	45	0.6	No
R0334	F 1	E	293339.4	1247723.6	Residential	60	47	42	45	49	46	45	47	42	45	49	45	46	49	46	47	0.6	No
R0335	GF	S	293330.6	1245910.5	Residential	60	40	35	39	42	38	39	40	35	39	42	38	40	43	38	40	1.0	No
R0336	GF	S	293328.5	1247859.7	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0336	F 1	S	293328.5	1247859.7	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.9	No
R0337	GF	E	293336.0	1247739.7	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R0339	GF	E	293354.8	1247493.1	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.9	No
R0339	F 1	E	293354.8	1247493.1	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.7	No
R0339	F 2	E	293354.8	1247493.1	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.7	No
R0339	F 3	E	293354.8	1247493.1	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	50	46	47	0.5	No
R0340	GF	E	293378.6	1246365.5	Educational institute	55	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0340	F 1	E	293378.6	1246365.5	Educational institute	55	46	41	44	47	44	44	45	41	44	48	44	46	48	44	46	0.9	No
R0341	GF	E	293340.6	1247757.5	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R0343	GF	E	293342.1	1247619.1	Residential	60	44	39	42	46	43	43	44	39	42	46	42	44	46	43	44	0.8	No
R0343	F 1	E	293342.1	1247619.1	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0345	GF	E	293341.0	1247799.0	Residential	60	44	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.7	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0345	F 1	E	293341.0	1247799.0	Residential	60	46	41	44	48	45	44	46	41	44	48	44	45	48	45	46	0.6	No
R0348	GF	S	293337.8	1247809.4	Residential	60	40	35	38	41	38	38	39	34	37	41	38	39	42	38	39	0.7	No
R0348	F 1	S	293337.8	1247809.4	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	42	0.7	No
R0349	GF	E	293348.0	1247775.0	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	47	43	44	0.8	No
R0349	F 1	E	293348.0	1247775.0	Residential	60	47	42	45	49	46	45	47	42	45	49	45	46	49	46	47	0.6	No
R0353	GF	N	293338.5	1246057.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0354	GF	N	293339.6	1245993.2	Residential	60	41	36	40	43	40	39	41	36	39	43	40	41	43	40	41	1.0	No
R0354	F 1	N	293339.6	1245993.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0355	GF	N	293341.4	1246102.8	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0355	F 1	N	293341.4	1246102.8	Residential	60	44	39	42	45	42	43	44	39	42	46	42	44	46	42	44	0.8	No
R0356	GF	S	293341.8	1247862.4	Residential	60	41	36	39	42	39	39	40	35	39	43	39	41	43	39	41	0.9	No
R0362	GF	E	293349.6	1245938.6	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	1.0	No
R0363	GF	E	293374.6	1246326.8	Educational institute	55	41	35	39	42	38	39	40	35	39	43	38	40	43	38	41	1.0	No
R0363	F 1	E	293374.6	1246326.8	Educational institute	55	46	41	44	47	44	44	45	40	43	48	43	45	48	44	46	0.9	No
R0364	GF	N	293350.8	1246057.3	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	1.0	No
R0365	GF	S	293349.5	1247795.9	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.7	No
R0365	F 1	S	293349.5	1247795.9	Residential	60	47	43	46	49	46	46	47	42	45	49	46	47	49	46	47	0.6	No
R0366	GF	E	293379.0	1247629.4	Residential	60	45	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.8	No
R0366	F 1	E	293379.0	1247629.4	Residential	60	47	43	46	49	46	46	47	42	45	49	46	47	49	46	47	0.6	No
R0367	GF	E	293361.2	1246010.6	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0368	GF	N	293354.6	1247830.9	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R0369	GF	N	293354.3	1245997.2	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0374	GF	S	293357.0	1247863.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0374	F 1	S	293357.0	1247863.9	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	48	45	46	0.7	No
R0375	GF	N	293364.2	1245944.0	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0376	GF	N	293365.9	1245926.7	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0377	GF	E	293369.1	1246110.7	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R0378	GF	E	293370.0	1247048.8	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0379	GF	N	293361.3	1246101.2	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0380	GF	E	293394.1	1247583.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0380	F 1	E	293394.1	1247583.4	Residential	60	47	43	46	49	46	46	47	42	45	49	46	47	49	46	47	0.6	No
R0382	GF	S	293361.4	1247706.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0383	GF	E	293369.5	1247030.7	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0383	F 1	E	293369.5	1247030.7	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.8	No
R0384	GF	E	293372.4	1247060.1	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	43	1.0	No
R0385	GF	N	293365.9	1246056.6	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	42	1.1	No
R0385	F 1	N	293365.9	1246056.6	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	42	45	1.0	No
R0386	GF	S	293362.5	1247727.5	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	43	0.8	No
R0387	GF	S	293359.1	1247798.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R0387	F 1	S	293359.1	1247798.2	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.6	No
R0388	GF	E	293374.9	1247075.2	Residential	60	42	37	41	44	41	41	42	37	41	44	40	42	45	41	43	1.0	No
R0390	GF	S	293368.1	1247869.9	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R0390	F 1	S	293368.1	1247869.9	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.7	No
R0391	GF	N	293366.2	1246146.6	Residential	60	42	36	40	43	40	40	41	36	39	43	40	41	44	40	42	0.9	No
R0392	GF	N	293368.5	1246004.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R0393	GF	E	293378.0	1247826.5	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.6	No
R0393	F 1	E	293378.0	1247826.5	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.6	No
R0396	GF	E	293408.7	1247434.9	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0397	GF	N	293368.2	1247155.0	Residential	60	41	36	39	42	39	39	40	35	39	43	39	40	43	39	41	1.0	No
R0399	GF	E	293380.7	1247105.1	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	43	0.9	No
R0401	GF	E	293377.4	1247090.1	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R0402	GF	NE	293375.4	1247020.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0403	GF	E	293378.4	1247659.2	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.8	No
R0404	GF	E	293383.5	1247120.5	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0405	GF	E	293378.8	1247807.4	Residential	60	44	39	42	46	43	42	44	39	42	46	42	43	46	43	44	0.7	No
R0405	F 1	E	293378.8	1247807.4	Residential	60	47	42	45	49	46	45	47	42	45	49	45	46	49	46	47	0.7	No
R0408	GF	N	293377.5	1246104.0	Residential	60	43	37	41	44	41	41	42	37	41	45	40	42	45	41	43	1.0	No
R0409	GF	E	293386.2	1247134.7	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0410	GF	S	293375.5	1247671.9	Residential	60	46	41	44	47	44	44	45	41	43	47	44	45	48	44	45	0.7	No
R0411	GF	E	293388.5	1247789.7	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	45	45	0.6	No
R0411	F 1	E	293388.5	1247789.7	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.6	No
R0412	GF	E	293388.0	1247714.6	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	44	0.9	No
R0413	GF	E	293414.3	1247468.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R0413	F 1	E	293414.3	1247468.9	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	46	43	44	0.6	No
R0413	F 2	E	293414.3	1247468.9	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0414	GF	E	293392.8	1247749.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0414	F 1	E	293392.8	1247749.5	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0416	GF	N	293391.5	1246194.8	Residential	60	42	37	40	43	40	41	42	37	40	44	40	42	44	40	42	0.9	No
R0417	GF	E	293396.3	1247190.7	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R0418	GF	E	293392.6	1247168.7	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	1.0	No
R0419	GF	S	293378.8	1247689.9	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.6	No
R0419	F 1	S	293378.8	1247689.9	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0420	GF	E	293392.5	1247767.9	Residential	60	45	40	43	47	44	44	45	40	43	47	43	45	47	44	45	0.8	No
R0421	GF	N	293379.7	1246055.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0421	F 1	N	293379.7	1246055.8	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	45	0.9	No
R0422	GF	E	293389.8	1247153.7	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0423	GF	NE	293385.7	1247009.9	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R0424	GF	N	293383.4	1246143.8	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	42	1.1	No
R0425	GF	N	293384.3	1245968.8	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R0425	F 1	N	293384.3	1245968.8	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	1.0	No
R0426	GF	N	293386.5	1246008.5	Residential	60	41	36	40	43	40	40	41	36	39	43	40	41	44	40	41	0.9	No
R0427	GF	E	293395.2	1247180.6	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R0428	GF	SE	293391.9	1247823.0	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	47	44	45	0.5	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0429	GF	S	293427.4	1247882.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0429	F 1	S	293427.4	1247882.7	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.7	No
R0430	GF	E	293390.6	1247732.5	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0434	GF	E	293403.8	1247401.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R0434	F 1	E	293403.8	1247401.4	Residential	60	48	43	47	50	47	47	48	43	46	50	47	48	50	47	48	0.7	No
R0436	GF	N	293403.9	1245929.4	Residential	60	40	35	39	42	39	39	40	35	39	43	39	41	43	39	41	1.0	No
R0436	F 1	N	293403.9	1245929.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.1	No
R0437	GF	SE	293397.8	1247209.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R0438	GF	E	293419.2	1246578.2	Active recreation	65	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.6	No
R0439	GF	E	293401.7	1246348.6	Educational institute	55	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.9	No
R0439	F 1	E	293401.7	1246348.6	Educational institute	55	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R0441	GF	E	293393.6	1246124.0	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.1	No
R0442	GF	N	293397.0	1247279.9	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	46	42	43	0.9	No
R0443	GF	N	293395.7	1246102.6	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	45	40	43	1.0	No
R0445	GF	N	293406.2	1247521.2	Residential	60	41	36	39	43	40	39	41	36	39	43	39	41	44	40	41	1.0	No
R0446	GF	N	293397.0	1246061.2	Residential	60	42	37	40	43	40	41	42	37	40	44	40	42	44	40	42	1.0	No
R0447	GF	SW	293392.6	1246989.2	Residential	60	42	37	40	43	40	40	42	37	40	44	40	41	44	40	41	0.5	No
R0448	GF	N	293398.6	1246015.2	Residential	60	40	35	39	42	39	39	40	35	39	43	39	40	43	39	41	1.0	No
R0448	F 1	N	293398.6	1246015.2	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0451	GF	N	293398.3	1246148.2	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	1.0	No
R0452	GF	E	293419.0	1245959.8	Residential	60	41	35	39	42	39	39	40	35	39	43	39	40	43	39	41	1.0	No
R0452	F 1	E	293419.0	1245959.8	Residential	60	43	38	41	44	41	41	43	37	41	45	41	43	45	41	43	1.0	No
R0452	F 2	E	293419.0	1245959.8	Residential	60	47	42	46	49	45	46	47	42	45	49	45	47	50	45	47	0.9	No
R0454	GF	E	293440.5	1246310.1	Educational institute	55	43	38	41	44	41	41	42	37	41	45	41	43	45	41	43	0.9	No
R0454	F 1	E	293440.5	1246310.1	Educational institute	55	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R0455	GF	S	293410.3	1247217.0	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	43	0.8	No
R0456	GF	E	293412.7	1247049.7	Residential	60	42	37	40	43	40	40	42	36	40	44	40	42	44	40	42	1.0	No
R0457	GF	N	293406.5	1247345.8	Residential	60	42	37	40	43	40	40	41	36	39	43	40	41	44	40	41	0.8	No
R0458	GF	S	293408.8	1247029.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0460	GF	E	293413.0	1247064.2	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	45	41	42	1.0	No
R0461	GF	E	293421.6	1247314.6	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.8	No
R0463	GF	W	293404.2	1247564.0	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	45	0.9	No
R0464	GF	E	293420.8	1247082.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0465	GF	N	293411.6	1246059.3	Residential	60	42	37	40	43	40	40	41	37	40	44	40	42	44	40	42	1.1	No
R0465	F 1	N	293411.6	1246059.3	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0466	GF	N	293413.7	1247278.2	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	44	0.9	No
R0467	GF	SW	293407.4	1246982.5	Residential	60	43	38	41	44	41	41	42	38	40	44	41	42	44	41	42	0.5	No
R0468	GF	N	293411.1	1246104.9	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	45	41	43	1.0	No
R0469	GF	NE	293414.6	1246361.7	Educational institute	55	44	39	42	45	42	42	43	38	41	46	42	43	46	42	44	1.0	No
R0470	GF	S	293422.8	1247093.8	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	41	0.9	No
R0471	GF	N	293412.4	1246019.8	Residential	60	42	37	40	43	40	40	41	37	40	44	40	41	44	40	42	1.0	No
R0472	GF	N	293415.9	1246150.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0473	GF	N	293419.5	1247114.4	Residential	60	43	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.8	No
R0477	GF	E	293424.0	1247653.0	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R0478	GF	E	293425.4	1247348.8	Residential	60	45	40	43	47	43	44	45	40	43	47	43	45	47	43	45	0.8	No
R0478	F 1	E	293425.4	1247348.8	Residential	60	48	43	46	50	47	46	48	43	46	50	46	47	50	47	48	0.6	No
R0479	GF	E	293424.2	1247230.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0482	GF	E	293423.6	1247330.3	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.9	No
R0483	GF	E	293436.7	1246485.8	Active recreation	65	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	1.0	No
R0483	F 1	E	293436.7	1246485.8	Active recreation	65	46	41	44	47	44	44	46	41	44	48	44	46	48	45	46	1.0	No
R0484	GF	E	293432.7	1247383.3	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0485	GF	E	293428.2	1247671.3	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.8	No
R0485	F 1	E	293428.2	1247671.3	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0487	GF	E	293430.4	1247830.4	Residential	60	45	40	43	47	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R0487	F 1	E	293430.4	1247830.4	Residential	60	47	42	45	49	46	45	47	42	45	49	45	46	49	46	47	0.7	No
R0489	GF	S	293424.9	1247136.2	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0490	GF	E	293454.4	1246192.9	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R0491	GF	E	293429.1	1247362.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0492	GF	E	293438.4	1247416.2	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0493	GF	S	293427.0	1247679.9	Residential	60	45	40	43	46	44	43	45	40	43	47	43	44	47	44	45	0.8	No
R0493	F 1	S	293427.0	1247679.9	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.7	No
R0495	GF	N	293426.8	1247275.7	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0496	GF	E	293429.3	1247159.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	42	43	0.9	No
R0497	GF	E	293430.2	1247707.7	Residential	60	43	38	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0498	GF	SW	293423.5	1246974.7	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	42	0.5	No
R0500	GF	E	293443.0	1247465.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0500	F 1	E	293443.0	1247465.1	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	47	0.7	No
R0501	GF	N	293428.4	1246062.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0501	F 1	N	293428.4	1246062.6	Residential	60	44	39	43	46	42	43	44	39	43	46	42	44	47	42	45	1.1	No
R0503	GF	N	293426.0	1246018.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	41	44	40	42	1.0	No
R0503	F 1	N	293426.0	1246018.5	Residential	60	45	40	43	46	43	43	44	40	43	47	43	45	47	43	45	0.9	No
R0504	GF	S	293432.8	1247713.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	43	45	0.7	No
R0504	F 1	S	293432.8	1247713.8	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	50	46	47	0.5	No
R0505	GF	E	293434.8	1247800.3	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.8	No
R0505	F 1	E	293434.8	1247800.3	Residential	60	48	43	46	50	47	46	48	43	46	50	46	47	50	47	48	0.7	No
R0506	GF	E	293434.3	1247399.0	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	44	0.8	No
R0507	GF	E	293448.4	1245971.3	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R0507	F 1	E	293448.4	1245971.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R0508	GF	N	293430.2	1246103.1	Residential	60	39	34	37	40	37	37	39	34	37	41	38	39	41	37	39	0.9	No
R0509	GF	NE	293439.5	1246245.0	Residential	60	44	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0512	GF	N	293445.4	1245935.5	Residential	60	40	35	38	41	38	38	40	35	39	42	38	40	42	38	40	1.1	No
R0512	F 1	N	293445.4	1245935.5	Residential	60	43	37	41	44	41	41	43	37	41	45	41	43	45	41	43	1.0	No
R0513	GF	E	293431.6	1246146.8	Residential	60	43	38	41	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0514	GF	N	293435.2	1247183.6	Residential	60	42	38	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R0515	GF	E	293438.2	1247523.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	41	44	40	42	0.8	No
R0516	GF	E	293458.2	1246322.6	Educational institute	55	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0518	GF	S	293431.7	1247212.5	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.8	No
R0519	GF	SE	293437.5	1247737.7	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.8	No
R0520	GF	E	293445.0	1247483.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0520	F 1	E	293445.0	1247483.2	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0521	GF	E	293438.5	1247433.3	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R0521	F 1	E	293438.5	1247433.3	Residential	60	48	43	46	50	47	46	48	43	46	50	46	47	50	46	48	0.6	No
R0522	GF	N	293433.8	1247545.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0523	GF	E	293442.2	1247449.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.8	No
R0524	GF	SE	293438.9	1247022.3	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	1.0	No
R0525	GF	SE	293440.0	1247038.1	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R0526	GF	N	293432.4	1246120.6	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	43	1.1	No
R0527	GF	SE	293437.3	1247776.6	Residential	60	47	42	45	49	46	45	46	42	45	49	45	46	49	46	47	0.6	No
R0530	GF	N	293436.9	1247828.4	Residential	60	45	40	44	47	44	44	45	40	43	47	44	45	48	44	45	0.9	No
R0533	GF	S	293435.5	1246972.1	Residential	60	44	39	42	45	42	42	43	39	41	45	42	43	45	42	43	0.5	No
R0534	GF	SE	293440.6	1247051.8	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0534	F 1	SE	293440.6	1247051.8	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	47	0.7	No
R0535	GF	S	293441.2	1247832.1	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.8	No
R0537	GF	N	293442.4	1247107.8	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R0537	F 1	N	293442.4	1247107.8	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	45	0.7	No
R0538	GF	NE	293444.8	1246226.1	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R0539	GF	S	293441.1	1247255.8	Residential	60	44	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.8	No
R0541	GF	E	293448.4	1247144.5	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	43	1.0	No
R0542	GF	E	293451.5	1247514.5	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0544	GF	S	293441.7	1247559.9	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0545	GF	N	293445.6	1246065.7	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0546	GF	E	293448.8	1247500.0	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0547	GF	N	293441.0	1246105.2	Residential	60	39	34	37	40	37	37	38	34	37	41	37	38	41	37	38	0.8	No
R0550	GF	E	293451.7	1247165.9	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.8	No
R0551	GF	E	293455.3	1247531.8	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.9	No
R0551	F 1	E	293455.3	1247531.8	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0552	GF	N	293446.4	1246149.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0553	GF	NE	293450.6	1246021.0	Residential	60	42	37	40	43	40	40	41	36	40	44	40	41	44	40	42	1.0	No
R0554	GF	E	293454.7	1247067.2	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0555	GF	S	293448.5	1247210.9	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0555	F 1	S	293448.5	1247210.9	Residential	60	46	41	44	47	44	45	46	41	44	48	44	45	48	44	45	0.5	No
R0556	GF	N	293449.4	1247182.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R0557	GF	E	293501.5	1246116.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	0.9	No
R0557	F 1	E	293501.5	1246116.1	Residential	60	46	40	44	47	44	44	45	40	44	48	44	45	48	44	46	0.8	No
R0558	GF	E	293450.8	1247549.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	0.9	No
R0559	GF	E	293454.2	1247607.3	Residential	60	40	36	39	42	39	39	40	35	38	42	39	40	43	39	40	0.9	No
R0561	GF	E	293457.2	1247821.5	Residential	60	45	40	43	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R0563	GF	S	293450.8	1247730.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0564	GF	NE	293467.6	1246228.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0565	GF	N	293454.9	1247104.3	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0566	GF	E	293460.3	1247841.1	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R0567	GF	E	293459.0	1247567.7	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R0568	GF	NE	293456.1	1246976.6	Residential	60	43	38	41	44	41	41	42	37	40	45	41	42	45	41	42	0.9	No
R0569	GF	S	293457.2	1247774.2	Residential	60	47	42	45	48	45	45	46	41	44	48	44	46	49	45	46	0.6	No
R0569	F 1	S	293457.2	1247774.2	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0572	GF	E	293462.8	1247582.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0573	GF	E	293467.3	1247615.3	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0574	GF	E	293463.5	1247599.2	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0574	F 1	E	293463.5	1247599.2	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R0576	GF	E	293471.7	1247306.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0576	F 1	E	293471.7	1247306.4	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.7	No
R0577	GF	N	293456.6	1247271.3	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No
R0577	F 1	N	293456.6	1247271.3	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R0578	GF	E	293469.4	1246027.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R0579	GF	N	293461.6	1247146.2	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R0580	GF	NE	293471.6	1245986.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0580	F 1	NE	293471.6	1245986.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0580	F 2	NE	293471.6	1245986.5	Residential	60	47	42	46	49	45	46	47	42	45	49	45	47	50	45	47	0.9	No
R0582	GF	N	293458.9	1246153.6	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	40	42	1.0	No
R0584	GF	S	293462.2	1247165.8	Residential	60	43	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R0585	GF	S	293459.8	1247209.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0587	GF	E	293477.2	1247325.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0589	GF	E	293469.5	1247631.4	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	42	44	0.7	No
R0590	GF	E	293472.2	1247649.0	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	46	43	44	0.8	No
R0590	F 1	E	293472.2	1247649.0	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0591	GF	E	293471.2	1247343.1	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0592	GF	E	293475.8	1247682.0	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0592	F 1	E	293475.8	1247682.0	Residential	60	48	43	47	50	47	46	48	43	46	50	46	47	50	47	48	0.8	No
R0593	GF	N	293468.0	1247072.8	Residential	60	41	36	39	43	40	40	41	36	39	43	39	41	44	40	41	0.9	No
R0594	GF	S	293466.2	1247842.6	Residential	60	47	42	45	48	45	45	46	41	44	49	45	46	49	45	46	0.8	No
R0594	F 1	S	293466.2	1247842.6	Residential	60	48	43	46	50	47	47	48	43	46	50	46	48	50	47	48	0.7	No
R0595	GF	SW	293465.1	1247004.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0596	GF	E	293474.3	1247665.1	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	44	0.8	No
R0598	GF	N	293471.4	1246967.2	Residential	60	43	39	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0600	GF	E	293476.0	1246059.7	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	42	1.1	No
R0601	GF	N	293470.4	1247101.3	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0603	GF	E	293475.7	1246046.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R0604	GF	E	293474.7	1247360.2	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0606	GF	E	293475.5	1247256.0	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	46	43	44	0.8	No
R0609	GF	E	293481.0	1247716.0	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.7	No
R0609	F 1	E	293481.0	1247716.0	Residential	60	48	43	47	50	47	47	48	43	46	50	46	48	50	47	48	0.5	No
R0610	GF	E	293478.9	1247376.5	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0611	GF	N	293487.2	1245940.3	Residential	60	44	39	42	45	42	42	43	38	42	46	42	44	46	42	44	1.0	No
R0611	F 1	N	293487.2	1245940.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R0613	GF	N	293480.1	1247144.3	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0614	GF	E	293478.6	1247698.8	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	46	0.8	No
R0615	GF	E	293481.1	1247392.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0617	GF	E	293483.3	1247410.4	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0620	GF	E	293485.0	1247733.1	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	48	45	46	0.7	No
R0622	GF	N	293478.9	1247178.8	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R0624	GF	S	293478.0	1247206.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0626	GF	S	293478.4	1247826.6	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R0628	GF	NE	293481.9	1246209.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0629	GF	E	293484.3	1247425.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0630	GF	SW	293478.2	1246997.4	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.8	No
R0632	GF	SE	293489.4	1247061.6	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0633	GF	E	293486.8	1247442.8	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	0.9	No
R0634	GF	S	293481.7	1247770.2	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.8	No
R0634	F 1	S	293481.7	1247770.2	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0635	GF	NW	293475.8	1246155.9	Residential	60	41	36	39	42	39	39	41	36	39	43	39	40	43	39	41	1.0	No
R0636	GF	E	293488.5	1247027.7	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0637	GF	N	293482.3	1247368.7	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0638	GF	NE	293482.9	1246964.4	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R0638	F 1	NE	293482.9	1246964.4	Residential	60	48	43	47	50	47	47	48	43	46	50	46	47	50	47	48	0.6	No
R0640	GF	E	293490.1	1247460.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0640	F 1	E	293490.1	1247460.2	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	50	47	48	0.6	No
R0642	GF	N	293482.1	1247100.8	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0643	GF	E	293489.5	1247045.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0645	GF	S	293484.9	1247838.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0645	F 1	S	293484.9	1247838.1	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.6	No
R0646	GF	E	293491.7	1247475.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0647	GF	N	293488.0	1247266.1	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.8	No
R0648	GF	NE	293489.0	1245998.7	Residential	60	42	37	41	44	41	41	42	37	41	44	41	42	45	41	42	1.0	No
R0648	F 1	NE	293489.0	1245998.7	Residential	60	45	40	44	47	44	44	45	40	44	47	44	45	48	44	45	1.0	No
R0650	GF	N	293488.9	1247140.3	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0652	GF	E	293495.1	1247492.0	Residential	60	44	39	43	46	43	42	44	39	42	46	42	44	47	43	44	0.9	No
R0652	F 1	E	293495.1	1247492.0	Residential	60	48	43	47	50	47	47	48	43	46	50	46	48	50	47	48	0.6	No
R0653	GF	E	293501.4	1246155.3	Residential	60	42	37	40	43	40	40	42	37	41	44	40	42	44	40	42	1.0	No
R0654	GF	E	293504.2	1247511.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0654	F 1	E	293504.2	1247511.3	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	47	0.7	No
R0655	GF	N	293494.3	1247176.2	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0657	GF	S	293490.2	1247204.3	Residential	60	44	39	43	46	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0658	GF	N	293494.2	1247444.3	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R0662	GF	NE	293494.6	1246958.7	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0664	GF	S	293499.4	1247766.9	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.8	No
R0664	F 1	S	293499.4	1247766.9	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	47	47	0.6	No
R0665	GF	E	293506.0	1247540.1	Residential	60	43	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0666	GF	E	293505.8	1247300.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0667	GF	N	293501.5	1247006.1	Residential	60	43	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.9	No
R0668	GF	E	293515.9	1247353.9	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0669	GF	E	293504.9	1247558.7	Residential	60	42	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R0670	GF	E	293500.0	1247095.0	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R0672	GF	S	293499.2	1247246.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.7	No
R0673	GF	E	293514.7	1247573.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0674	GF	S	293507.0	1247808.9	Residential	60	43	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.7	No
R0676	GF	E	293510.2	1247857.8	Residential	60	39	34	38	41	38	38	39	34	37	41	37	39	42	38	39	0.9	No
R0676	F 1	E	293510.2	1247857.8	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.8	No
R0676	F 2	E	293510.2	1247857.8	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	47	0.7	No
R0677	GF	E	293517.2	1247839.4	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0677	F 1	E	293517.2	1247839.4	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R0678	GF	SE	293508.1	1246167.3	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	43	1.1	No
R0680	GF	E	293511.6	1247593.0	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	43	0.9	No
R0680	F 1	E	293511.6	1247593.0	Residential	60	47	42	46	49	45	46	47	42	45	49	45	47	49	45	47	0.7	No
R0681	GF	E	293513.3	1247336.5	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R0682	GF	S	293504.2	1247125.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0684	GF	E	293512.4	1247608.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0685	GF	E	293515.9	1247152.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0686	GF	E	293510.8	1247319.7	Residential	60	44	39	42	45	42	42	43	39	42	46	42	44	46	42	44	0.9	No
R0687	GF	E	293512.8	1247792.1	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	47	44	45	0.6	No
R0688	GF	N	293508.9	1247173.6	Residential	60	44	39	42	45	42	42	43	38	41	45	41	43	46	42	44	0.9	No
R0689	GF	E	293516.9	1246066.0	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R0690	GF	S	293507.6	1247201.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0691	GF	E	293513.4	1246028.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R0693	GF	SE	293523.0	1246263.8	Active recreation	65	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0694	GF	E	293520.0	1247036.0	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0694	F 1	E	293520.0	1247036.0	Residential	60	50	45	48	51	48	48	49	44	47	51	48	49	51	48	49	0.5	No
R0695	GF	NE	293511.8	1247000.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0696	GF	NE	293510.0	1246952.1	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	44	0.9	No
R0697	GF	S	293513.8	1247617.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0699	GF	SE	293517.2	1246043.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R0700	GF	E	293518.5	1246189.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0701	GF	E	293518.3	1247367.8	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0702	GF	S	293521.8	1247908.0	Residential	60	42	37	40	43	40	40	41	36	40	44	40	41	44	40	42	1.0	No
R0703	GF	E	293520.1	1247388.0	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0703	F 1	E	293520.1	1247388.0	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0706	GF	E	293518.6	1247641.6	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	44	0.9	No
R0706	F 1	E	293518.6	1247641.6	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0708	GF	S	293511.3	1247551.2	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R0709	GF	E	293522.3	1247659.3	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	0.9	No
R0709	F 1	E	293522.3	1247659.3	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0710	GF	E	293526.2	1247419.8	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R0711	GF	E	293521.1	1247050.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0712	GF	E	293524.2	1247072.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R0714	GF	SE	293523.1	1247080.0	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	0.9	No
R0715	GF	N	293517.7	1247261.4	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.8	No
R0716	GF	E	293525.5	1247674.7	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.8	No
R0717	GF	E	293521.8	1247403.8	Residential	60	44	40	43	46	43	43	44	39	42	46	42	44	47	43	44	0.8	No
R0718	GF	N	293516.9	1245950.2	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0719	GF	E	293528.3	1247435.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R0721	GF	S	293518.1	1247124.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0723	GF	E	293531.4	1247690.0	Residential	60	46	41	44	47	44	44	45	40	44	48	44	45	48	44	45	0.8	No
R0724	GF	E	293528.1	1247708.5	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.7	No
R0725	GF	E	293536.9	1247505.1	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0726	GF	E	293528.0	1247453.3	Residential	60	45	40	44	47	44	43	45	40	43	47	43	45	48	44	45	1.0	No
R0727	GF	SW	293517.7	1247015.1	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.9	No
R0729	GF	NE	293527.6	1246941.5	Residential	60	45	40	43	47	44	43	45	40	43	47	43	45	47	44	45	0.8	No
R0730	GF	S	293520.9	1247854.3	Residential	60	40	35	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No
R0730	F 1	S	293520.9	1247854.3	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R0731	GF	N	293524.6	1247209.7	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0732	GF	E	293530.9	1246987.6	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R0733	GF	S	293522.9	1247156.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0734	GF	E	293528.9	1247727.0	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	48	45	46	0.8	No
R0734	F 1	E	293528.9	1247727.0	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.6	No
R0737	GF	E	293533.4	1247470.0	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0737	F 1	E	293533.4	1247470.0	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.8	No
R0739	GF	E	293545.3	1246117.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	45	47	43	45	0.9	No
R0739	F 1	E	293545.3	1246117.6	Residential	60	46	41	45	48	44	45	46	41	45	48	44	46	49	44	47	1.1	No
R0739	F 2	E	293545.3	1246117.6	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R0741	GF	N	293530.5	1246070.0	Residential	60	45	39	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R0741	F 1	N	293530.5	1246070.0	Residential	60	46	41	45	48	45	45	46	41	45	48	45	46	49	45	46	0.9	No
R0742	GF	E	293534.6	1247487.6	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	44	0.8	No
R0742	F 1	E	293534.6	1247487.6	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.7	No
R0745	GF	S	293530.0	1247240.9	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0745	F 1	S	293530.0	1247240.9	Residential	60	47	43	46	49	46	46	47	42	45	49	46	47	49	46	47	0.6	No
R0746	GF	N	293531.4	1245954.0	Residential	60	42	37	40	43	40	40	42	37	41	44	40	42	44	40	42	1.2	No
R0748	GF	S	293532.6	1247121.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0751	GF	E	293562.8	1246163.9	Commercial	n/a	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.1	No
R0752	GF	SE	293537.1	1247008.3	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R0753	GF	E	293542.8	1247537.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	43	44	0.9	No
R0753	F 1	E	293542.8	1247537.0	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.7	No
R0754	GF	E	293543.7	1246224.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0756	GF	NE	293537.6	1246982.6	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0759	GF	N	293538.6	1247168.6	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0760	GF	S	293538.3	1247196.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0761	GF	S	293539.0	1246923.7	Residential	60	47	42	45	48	46	45	46	42	44	49	46	46	49	46	46	0.4	No
R0762	GF	E	293550.6	1247586.5	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R0762	F 1	E	293550.6	1247586.5	Residential	60	47	42	45	48	45	45	47	42	45	49	45	46	49	45	47	0.8	No
R0766	GF	E	293544.2	1247551.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R0768	GF	S	293544.1	1247288.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	0.8	No
R0768	F 1	S	293544.1	1247288.3	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R0769	GF	E	293548.6	1247569.2	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R0771	GF	E	293549.9	1245989.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0771	F 1	E	293549.9	1245989.7	Residential	60	46	41	45	48	44	45	46	41	45	48	44	46	49	44	47	1.0	No
R0773	GF	E	293548.4	1245975.0	Residential	60	44	39	43	46	42	43	44	39	43	46	42	44	47	42	45	1.1	No
R0774	GF	E	293552.1	1247313.0	Residential	60	43	38	41	44	42	41	43	38	41	45	41	43	45	42	43	1.0	No
R0774	F 1	E	293552.1	1247313.0	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.8	No
R0775	GF	W	293538.3	1247673.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0778	GF	S	293555.1	1247756.8	Residential	60	45	40	44	47	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R0778	F 1	S	293555.1	1247756.8	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	50	46	47	0.7	No
R0778	F 2	S	293555.1	1247756.8	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.7	No
R0779	GF	S	293548.8	1247646.6	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0780	GF	E	293551.3	1247602.3	Residential	60	43	38	42	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R0780	F 1	E	293551.3	1247602.3	Residential	60	47	42	45	48	45	45	47	42	45	49	45	46	49	45	47	0.8	No
R0781	GF	N	293548.6	1247255.0	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	44	1.0	No
R0782	GF	E	293554.8	1247618.7	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0783	GF	N	293549.8	1246631.8	Active recreation	65	46	41	44	47	45	44	45	41	43	48	44	45	48	45	46	0.9	No
R0784	GF	E	293553.4	1246019.9	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	45	41	43	1.0	No
R0787	GF	E	293554.5	1247330.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0788	GF	S	293546.8	1247117.8	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	46	43	44	0.8	No
R0791	GF	E	293582.0	1247777.1	Residential	60	40	36	39	42	39	39	40	35	38	42	38	40	43	39	41	1.0	No
R0791	F 1	E	293582.0	1247777.1	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	47	0.7	No
R0792	GF	SE	293554.6	1246238.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0793	GF	E	293553.2	1246006.3	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	1.0	No
R0794	GF	SE	293555.6	1245947.1	Residential	60	43	37	41	44	40	41	43	37	41	45	40	43	45	40	43	1.1	No
R0794	F 1	SE	293555.6	1245947.1	Residential	60	44	39	43	45	42	43	44	39	43	46	42	44	46	42	44	1.0	No
R0795	GF	E	293558.9	1247346.8	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R0798	GF	E	293558.5	1247635.9	Residential	60	43	38	41	44	41	41	43	37	41	45	41	43	45	41	43	1.1	No
R0799	GF	N	293550.1	1247733.7	Residential	60	44	39	43	46	43	42	44	39	42	46	42	44	47	43	44	0.9	No
R0800	GF	W	293544.5	1247798.6	Residential	60	40	35	38	41	38	38	40	35	38	42	38	39	42	38	40	0.7	No
R0802	GF	S	293548.3	1246925.5	Residential	60	48	43	46	50	47	46	47	43	45	50	47	47	50	47	47	0.4	No
R0803	GF	N	293555.2	1247166.0	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0804	GF	N	293557.4	1246223.4	Residential	60	41	37	40	43	40	40	41	37	40	44	40	41	44	40	41	0.9	No
R0805	GF	E	293561.3	1247363.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0807	GF	E	293559.2	1246041.8	Residential	60	43	38	41	44	41	41	42	37	40	45	41	42	45	41	43	1.0	No
R0807	F 1	E	293559.2	1246041.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R0808	GF	N	293554.5	1247208.9	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R0811	GF	S	293566.6	1247808.9	Residential	60	42	37	40	43	40	40	41	36	40	44	40	41	44	40	42	0.8	No
R0811	F 1	S	293566.6	1247808.9	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	48	45	46	0.7	No
R0812	GF	NE	293571.2	1246383.0	Residential	60	46	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.8	No
R0814	GF	SE	293558.6	1246972.6	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.7	No
R0815	GF	E	293559.0	1247376.6	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0816	GF	S	293560.1	1246288.0	Residential	60	43	38	42	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R0816	F 1	S	293560.1	1246288.0	Residential	60	46	41	45	47	44	45	46	41	44	48	44	46	48	44	46	0.8	No
R0817	GF	E	293565.1	1246398.2	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	45	0.8	No
R0817	F 1	E	293565.1	1246398.2	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.8	No
R0819	GF	E	293563.7	1247667.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R0820	GF	S	293586.0	1247829.8	Residential	60	38	33	37	40	37	37	38	33	37	41	36	38	41	37	39	1.1	No
R0820	F 1	S	293586.0	1247829.8	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0821	GF	E	293566.9	1247396.2	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R0822	GF	SE	293566.6	1247019.0	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.8	No
R0823	GF	N	293555.0	1246070.5	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	1.0	No
R0823	F 1	N	293555.0	1246070.5	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	47	0.9	No
R0825	GF	E	293563.2	1247686.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0825	F 1	E	293563.2	1247686.0	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R0826	GF	E	293567.8	1247069.3	Residential	60	43	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R0827	GF	E	293566.7	1247866.3	Residential	60	39	34	37	41	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R0827	F 1	E	293566.7	1247866.3	Residential	60	45	40	43	46	43	43	44	39	43	47	43	45	47	43	45	0.9	No
R0828	GF	E	293566.4	1247701.4	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0829	GF	E	293566.2	1247413.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0831	GF	E	293565.7	1247055.5	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	43	0.9	No
R0832	GF	N	293563.9	1247254.6	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0833	GF	N	293565.5	1247090.8	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R0834	GF	E	293570.5	1247426.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0835	GF	S	293562.5	1247116.7	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.8	No
R0838	GF	E	293572.0	1247721.9	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0839	GF	E	293572.9	1247042.8	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0840	GF	E	293570.6	1247446.4	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	47	43	44	1.0	No
R0841	GF	NE	293576.8	1246250.5	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.9	No
R0843	GF	SE	293570.5	1246980.8	Residential	60	45	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.7	No
R0844	GF	E	293577.3	1247462.6	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R0845	GF	N	293570.0	1247204.8	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	1.0	No
R0846	GF	E	293570.1	1246224.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0847	GF	N	293570.3	1247165.0	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R0849	GF	E	293576.4	1247480.7	Residential	60	43	38	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0850	GF	SE	293572.3	1246936.3	Residential	60	50	45	48	51	48	48	49	45	47	51	48	48	51	48	48	0.3	No
R0851	GF	NE	293572.3	1246637.2	Active recreation	65	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.5	No
R0855	GF	NE	293576.9	1246930.9	Residential	60	51	46	49	52	50	49	50	46	48	53	50	50	53	50	50	0.4	No
R0856	GF	SE	293572.8	1246405.3	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.8	No
R0857	GF	E	293588.2	1246517.0	Residential	60	46	40	44	47	44	44	45	40	44	48	44	46	48	44	46	1.1	No
R0859	GF	E	293581.5	1247496.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R0860	GF	E	293588.8	1247285.5	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R0860	F 1	E	293588.8	1247285.5	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.6	No
R0863	GF	E	293584.1	1246217.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0864	GF	E	293581.5	1246535.6	Residential	60	45	40	43	46	44	43	45	40	43	47	43	45	47	44	45	1.0	No
R0865	GF	E	293587.2	1246506.8	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R0867	GF	N	293579.1	1247252.0	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R0868	GF	SE	293580.2	1246349.7	Residential	60	43	38	42	45	42	41	43	38	41	45	42	43	46	42	43	0.9	No
R0869	GF	E	293581.9	1246484.7	Residential	60	45	40	44	47	43	44	45	40	43	47	43	45	47	43	45	1.0	No
R0871	GF	E	293584.5	1247529.6	Residential	60	44	39	42	45	42	42	43	39	42	46	42	44	46	42	44	0.9	No
R0872	GF	E	293587.4	1246550.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0873	GF	E	293587.4	1247878.7	Residential	60	40	35	38	41	38	38	39	34	38	42	38	39	42	38	40	1.0	No
R0874	GF	NE	293586.2	1246263.9	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	47	42	44	1.0	No
R0875	GF	NE	293580.4	1246371.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	43	45	0.9	No
R0876	GF	E	293584.8	1247546.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0878	GF	NW	293573.5	1246332.0	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.1	No
R0878	F 1	NW	293573.5	1246332.0	Residential	60	43	38	41	44	41	41	42	37	40	44	41	42	45	41	43	1.1	No
R0879	GF	SE	293590.0	1246300.3	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R0879	F 1	SE	293590.0	1246300.3	Residential	60	47	41	45	48	44	45	47	41	45	49	44	47	49	44	47	0.9	No
R0880	GF	S	293579.1	1247113.8	Residential	60	45	40	43	46	43	43	44	40	42	47	43	44	47	43	44	0.7	No
R0881	GF	S	293577.6	1247353.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	44	1.0	No
R0882	GF	NE	293586.4	1246470.3	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0882	F 1	NE	293586.4	1246470.3	Residential	60	48	43	47	49	46	47	48	43	46	50	46	48	50	46	48	0.9	No
R0883	GF	NE	293590.0	1246607.1	Residential	60	49	45	47	51	48	48	49	45	47	51	48	48	51	48	48	0.5	No
R0883	F 1	NE	293590.0	1246607.1	Residential	60	50	45	48	51	49	48	49	45	47	52	48	49	52	49	49	0.6	No
R0884	GF	S	293585.6	1247555.2	Residential	60	44	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0885	GF	SE	293584.6	1246985.4	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.7	No
R0886	GF	E	293596.4	1247341.5	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	0.9	No
R0891	GF	N	293585.5	1247162.7	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	45	0.9	No
R0893	GF	N	293585.5	1247206.1	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R0894	GF	N	293588.2	1247084.4	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.8	No
R0894	F 1	N	293588.2	1247084.4	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.7	No
R0895	GF	E	293627.8	1245987.8	Residential	60	43	37	42	44	40	42	43	37	42	45	40	43	45	40	43	1.2	No
R0895	F 1	E	293627.8	1245987.8	Residential	60	44	39	43	45	41	43	45	39	43	47	41	45	47	41	45	1.2	No
R0895	F 2	E	293627.8	1245987.8	Residential	60	46	40	45	47	43	45	46	40	45	48	43	47	48	43	47	1.2	No
R0895	F 3	E	293627.8	1245987.8	Residential	60	49	43	47	50	46	47	49	43	48	51	46	49	51	46	49	1.1	No
R0897	GF	E	293591.9	1247579.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0899	GF	E	293593.6	1247323.9	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0900	GF	E	293588.7	1247306.8	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	45	0.8	No
R0902	GF	E	293592.4	1247596.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R0902	F 1	E	293592.4	1247596.4	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R0905	GF	SE	293590.0	1246942.4	Residential	60	51	46	49	52	50	49	50	46	48	53	50	50	53	50	50	0.4	No
R0906	GF	S	293587.8	1246220.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.1	No
R0908	GF	S	293600.3	1247008.8	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.5	No
R0909	GF	E	293597.5	1246414.3	Residential	60	44	39	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R0911	GF	S	293596.1	1247605.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R0911	F 1	S	293596.1	1247605.1	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	50	46	47	0.8	No
R0914	GF	E	293618.6	1246339.2	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R0914	F 1	E	293618.6	1246339.2	Residential	60	49	44	48	50	47	48	49	44	47	51	47	49	51	47	49	0.9	No
R0916	GF	E	293610.7	1246026.4	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R0916	F 1	E	293610.7	1246026.4	Residential	60	46	41	44	47	44	44	46	41	44	48	44	45	48	44	46	0.9	No
R0916	F 2	E	293610.7	1246026.4	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R0917	GF	S	293590.9	1247753.8	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.8	No
R0917	F 1	S	293590.9	1247753.8	Residential	60	48	43	47	50	47	47	48	43	46	50	46	48	50	47	48	0.7	No
R0918	GF	N	293593.9	1247250.4	Residential	60	45	40	43	46	44	43	44	40	43	47	43	44	47	44	45	0.9	No
R0918	F 1	N	293593.9	1247250.4	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	47	0.8	No
R0919	GF	E	293604.3	1247390.3	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.8	No
R0920	GF	E	293598.5	1247357.9	Residential	60	44	40	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R0921	GF	E	293613.4	1246325.3	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0921	F 1	E	293613.4	1246325.3	Residential	60	49	43	47	50	46	47	48	43	47	51	46	48	51	46	49	0.8	No
R0923	GF	E	293606.3	1247032.4	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.7	No
R0924	GF	E	293603.3	1247627.8	Residential	60	41	36	39	43	40	39	41	36	39	43	39	41	44	40	41	1.0	No
R0925	GF	SE	293597.3	1246994.5	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	49	46	47	0.5	No
R0926	GF	E	293602.5	1247374.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0927	GF	N	293600.8	1246372.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R0928	GF	S	293592.9	1246446.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0933	GF	SE	293598.6	1246949.4	Residential	60	51	46	49	52	49	49	50	46	48	52	49	50	53	49	50	0.5	No
R0935	GF	E	293613.9	1247646.2	Residential	60	42	38	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R0936	GF	E	293603.7	1246234.0	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R0937	GF	E	293603.5	1247884.6	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R0940	GF	S	293591.6	1247112.0	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.7	No
R0941	GF	N	293600.4	1247160.6	Residential	60	45	40	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R0942	GF	N	293600.3	1247204.1	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	46	0.9	No
R0943	GF	N	293607.0	1246081.0	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	42	0.8	No
R0943	F 1	N	293607.0	1246081.0	Residential	60	45	40	44	47	43	44	45	40	44	47	43	45	47	43	45	0.8	No
R0943	F 2	N	293607.0	1246081.0	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R0945	GF	E	293608.0	1247045.7	Residential	60	46	42	45	48	45	45	46	41	44	48	45	46	48	45	46	0.7	No
R0947	GF	S	293600.7	1247673.1	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	43	0.9	No
R0948	GF	E	293606.2	1247661.5	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	46	42	43	0.9	No
R0949	GF	E	293632.6	1247787.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.7	No
R0949	F 1	E	293632.6	1247787.3	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	48	0.7	No
R0950	GF	S	293605.9	1246249.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R0951	GF	E	293615.6	1247075.4	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	49	45	46	0.8	No
R0953	GF	E	293607.0	1247410.0	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R0954	GF	N	293601.0	1246357.2	Residential	60	42	37	41	44	41	41	42	37	40	45	41	42	45	41	42	0.9	No
R0956	GF	E	293607.7	1247595.4	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	44	41	42	0.9	No
R0958	GF	E	293610.8	1247425.2	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	1.0	No
R0959	GF	E	293611.0	1247695.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R0959	F 1	E	293611.0	1247695.4	Residential	60	49	44	47	50	47	47	48	44	47	51	47	48	51	47	49	0.7	No
R0961	GF	E	293609.4	1247055.6	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.8	No
R0964	GF	E	293645.5	1247856.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R0964	F 1	E	293645.5	1247856.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R0964	F 2	E	293645.5	1247856.3	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R0965	GF	S	293610.8	1247704.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0966	GF	E	293612.8	1246405.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.1	No
R0968	GF	E	293639.5	1247833.7	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.7	No
R0968	F 1	E	293639.5	1247833.7	Residential	60	47	43	46	49	46	46	47	42	45	49	45	47	49	46	47	0.6	No
R0969	GF	E	293615.5	1247458.4	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R0972	GF	E	293612.3	1247441.0	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	1.0	No
R0972	F 1	E	293612.3	1247441.0	Residential	60	48	43	46	49	46	46	47	42	45	50	46	47	50	46	47	0.8	No
R0973	GF	S	293607.3	1247109.2	Residential	60	45	41	44	47	44	44	45	41	43	47	44	45	47	44	45	0.6	No
R0974	GF	N	293610.0	1247248.0	Residential	60	45	40	43	46	44	43	44	40	43	47	43	44	47	44	45	0.9	No
R0976	GF	SE	293610.9	1246954.4	Residential	60	50	46	48	52	49	49	50	46	48	52	49	49	52	49	49	0.3	No
R0977	GF	E	293618.5	1247490.4	Residential	60	43	39	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R0978	GF	E	293617.4	1247476.0	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	43	0.9	No
R0979	GF	E	293618.5	1246348.8	Residential	60	45	40	44	47	43	44	45	40	44	47	43	45	48	43	45	1.0	No
R0980	GF	N	293612.2	1246234.6	Residential	60	45	40	44	47	44	44	45	40	44	48	44	45	48	44	45	0.9	No
R0982	GF	SE	293621.4	1246256.4	Residential	60	45	40	43	46	43	44	45	40	44	47	43	45	47	43	45	0.9	No
R0983	GF	E	293616.7	1247890.1	Residential	60	41	36	39	42	39	39	40	35	38	42	38	40	43	39	40	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R0983	F 1	E	293616.7	1247890.1	Residential	60	44	39	42	45	42	42	43	38	42	46	41	43	46	42	44	0.9	No
R0984	GF	E	293625.9	1247555.4	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R0984	F 1	E	293625.9	1247555.4	Residential	60	48	43	47	50	46	46	48	43	46	50	46	48	50	47	48	0.8	No
R0985	GF	N	293615.5	1247157.9	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R0986	GF	E	293634.9	1247806.2	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.8	No
R0986	F 1	E	293634.9	1247806.2	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	47	0.7	No
R0986	F 2	E	293634.9	1247806.2	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.7	No
R0987	GF	N	293616.0	1246459.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.8	No
R0990	GF	N	293615.5	1247201.9	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R0991	GF	E	293631.7	1247573.7	Residential	60	45	40	43	47	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R0991	F 1	E	293631.7	1247573.7	Residential	60	49	44	47	50	47	47	48	44	46	50	47	48	51	47	48	0.7	No
R0994	GF	E	293630.1	1247772.0	Residential	60	46	41	45	48	45	44	46	41	44	48	44	46	48	45	46	0.8	No
R0994	F 1	E	293630.1	1247772.0	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	47	48	0.7	No
R0995	GF	E	293625.3	1247523.1	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	0.9	No
R0996	GF	E	293624.1	1246363.1	Residential	60	46	41	45	48	44	45	46	41	44	48	44	46	48	44	46	0.9	No
R0997	GF	S	293613.8	1247669.7	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	46	42	43	1.0	No
R1000	GF	E	293621.1	1247693.2	Residential	60	43	38	41	44	42	41	43	38	41	45	41	43	45	41	43	0.9	No
R1001	GF	E	293625.8	1247539.8	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.8	No
R1002	GF	S	293618.4	1247742.5	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.9	No
R1002	F 1	S	293618.4	1247742.5	Residential	60	48	43	47	50	47	47	48	43	46	50	46	47	50	47	48	0.7	No
R1003	GF	E	293638.9	1247604.3	Residential	60	46	41	44	47	44	44	45	40	44	48	44	45	48	44	46	0.9	No
R1003	F 1	E	293638.9	1247604.3	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.7	No
R1007	GF	E	293631.3	1246276.8	Residential	60	45	40	44	46	43	44	45	40	43	47	43	45	47	43	45	0.9	No
R1009	GF	N	293623.6	1247245.2	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.8	No
R1011	GF	E	293631.1	1246407.3	Residential	60	46	40	44	47	44	44	46	40	44	48	44	46	48	44	46	1.0	No
R1012	GF	NE	293630.3	1246969.6	Residential	60	51	47	49	53	50	49	51	46	49	53	50	50	53	50	50	0.5	No
R1013	GF	E	293632.8	1247113.6	Residential	60	47	43	46	49	46	46	47	42	45	49	46	46	49	46	47	0.5	No
R1014	GF	S	293624.1	1247651.1	Residential	60	42	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R1016	GF	E	293632.9	1247281.6	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	46	0.9	No
R1018	GF	N	293627.5	1247307.4	Residential	60	43	38	41	44	41	41	42	37	40	45	41	42	45	41	43	0.9	No
R1018	F 1	N	293627.5	1247307.4	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.8	No
R1019	GF	E	293633.4	1247894.1	Residential	60	40	35	38	41	38	38	39	34	37	41	38	39	42	38	40	0.9	No
R1020	GF	W	293621.5	1247674.9	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	45	41	42	1.0	No
R1021	GF	E	293633.3	1247590.1	Residential	60	46	41	44	47	44	44	46	41	44	48	44	45	48	44	46	0.9	No
R1022	GF	N	293630.5	1247195.5	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	1.0	No
R1023	GF	S	293629.5	1247313.3	Residential	60	44	39	42	45	43	42	44	39	42	46	42	44	46	42	44	0.8	No
R1023	F 1	S	293629.5	1247313.3	Residential	60	49	44	47	50	47	47	49	44	47	51	47	48	51	47	49	0.7	No
R1024	GF	E	293635.6	1246107.0	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.1	No
R1024	F 1	E	293635.6	1246107.0	Residential	60	50	45	49	51	48	49	50	45	49	52	48	50	52	48	50	1.0	No
R1024	F 2	E	293635.6	1246107.0	Residential	60	51	46	50	52	49	50	51	46	49	53	49	51	53	49	51	1.0	No
R1027	GF	SE	293633.2	1246221.8	Residential	60	45	40	44	47	43	44	45	40	44	47	43	45	48	43	46	0.9	No
R1028	GF	N	293634.1	1247154.6	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	45	0.9	No
R1029	GF	E	293641.6	1246505.2	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.7	No
R1031	GF	S	293632.5	1246445.4	Residential	60	45	39	43	46	43	43	45	39	43	47	43	45	47	43	45	1.2	No
R1032	GF	E	293639.9	1247623.4	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.8	No
R1033	GF	E	293639.1	1247334.7	Residential	60	44	39	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R1033	F 1	E	293639.1	1247334.7	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.7	No
R1034	GF	SE	293638.2	1246982.6	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	51	51	0.5	No
R1035	GF	S	293637.0	1247344.3	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.8	No
R1036	GF	SE	293644.9	1246044.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R1036	F 1	SE	293644.9	1246044.3	Residential	60	47	41	45	48	44	45	47	41	45	49	44	47	49	44	47	1.0	No
R1036	F 2	SE	293644.9	1246044.3	Residential	60	49	43	47	50	46	47	49	43	47	51	46	49	51	46	49	1.0	No
R1039	GF	E	293642.9	1247368.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R1042	GF	N	293638.5	1247243.9	Residential	60	45	40	43	47	44	43	45	40	43	47	43	44	47	44	45	0.8	No
R1043	GF	E	293642.1	1247003.4	Residential	60	51	47	50	53	50	50	51	47	49	53	50	50	53	50	51	0.5	No
R1044	GF	E	293644.4	1247386.3	Residential	60	43	38	41	44	41	41	42	38	41	45	41	43	45	41	43	1.0	No
R1045	GF	E	293642.5	1247641.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1045	F 1	E	293642.5	1247641.4	Residential	60	48	43	46	50	46	47	48	43	46	50	46	48	50	46	48	0.7	No
R1047	GF	E	293645.1	1246515.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.7	No
R1048	GF	E	293643.8	1246136.9	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R1048	F 1	E	293643.8	1246136.9	Residential	60	50	45	49	52	48	49	50	45	49	52	48	50	52	48	51	1.0	No
R1048	F 2	E	293643.8	1246136.9	Residential	60	51	46	50	53	49	50	51	46	50	53	49	51	53	49	51	0.9	No
R1049	GF	E	293677.8	1246551.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.2	No
R1049	F 1	E	293677.8	1246551.2	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.2	No
R1050	GF	E	293645.3	1247656.9	Residential	60	44	39	43	46	43	42	44	39	42	46	42	44	46	43	44	0.9	No
R1050	F 1	E	293645.3	1247656.9	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	48	0.7	No
R1052	GF	SE	293643.0	1246286.6	Residential	60	46	40	44	47	43	44	45	40	44	48	43	46	48	43	46	1.0	No
R1053	GF	E	293647.0	1247016.0	Residential	60	51	47	50	53	50	50	51	47	49	53	50	50	53	50	51	0.4	No
R1054	GF	E	293660.1	1246567.3	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R1054	F 1	E	293660.1	1246567.3	Residential	60	45	40	43	46	43	43	44	40	43	47	43	45	47	43	45	1.0	No
R1055	GF	SE	293660.7	1246002.4	Residential	60	45	39	43	46	42	43	45	39	43	47	42	45	47	42	45	1.0	No
R1055	F 1	SE	293660.7	1246002.4	Residential	60	47	41	45	48	44	45	47	41	45	49	44	47	49	44	47	1.0	No
R1055	F 2	SE	293660.7	1246002.4	Residential	60	48	43	47	49	46	47	48	43	47	51	46	49	51	46	49	1.1	No
R1055	F 3	SE	293660.7	1246002.4	Residential	60	50	45	49	51	48	49	50	45	49	52	48	51	52	48	51	1.0	No
R1057	GF	S	293639.1	1247293.1	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.8	No
R1058	GF	E	293646.7	1247672.6	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R1058	F 1	E	293646.7	1247672.6	Residential	60	48	43	46	50	47	47	48	43	46	50	46	48	50	47	48	0.7	No
R1059	GF	E	293648.6	1247403.3	Residential	60	43	39	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R1060	GF	E	293648.4	1247034.6	Residential	60	51	47	50	53	50	50	51	46	49	53	50	50	53	50	50	0.4	No
R1061	GF	S	293645.2	1247877.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R1062	GF	N	293651.2	1246086.0	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R1062	F 1	N	293651.2	1246086.0	Residential	60	50	45	49	52	48	49	50	45	49	52	48	50	52	48	51	1.0	No
R1062	F 2	N	293651.2	1246086.0	Residential	60	51	46	50	53	49	50	51	46	50	53	49	51	53	49	51	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1063	GF	E	293651.7	1247706.6	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R1064	GF	E	293646.1	1246173.1	Residential	60	46	41	45	48	44	45	46	41	45	49	44	46	49	44	47	1.1	No
R1064	F 1	E	293646.1	1246173.1	Residential	60	50	45	49	51	48	49	50	45	49	52	48	50	52	48	50	1.1	No
R1064	F 2	E	293646.1	1246173.1	Residential	60	51	46	50	52	49	50	51	46	50	53	49	51	53	49	51	0.9	No
R1065	GF	S	293642.1	1247062.2	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.3	No
R1066	GF	E	293648.3	1247048.8	Residential	60	51	47	50	53	50	50	51	46	49	53	50	50	53	50	50	0.4	No
R1067	GF	S	293644.6	1246224.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R1068	GF	N	293645.3	1247191.7	Residential	60	44	40	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R1070	GF	S	293649.4	1247411.1	Residential	60	42	37	40	43	40	40	41	36	39	43	40	41	44	40	41	0.9	No
R1071	GF	SE	293652.2	1246297.9	Residential	60	46	41	45	47	44	45	46	41	44	48	44	46	48	44	46	1.0	No
R1071	F 1	SE	293652.2	1246297.9	Residential	60	50	44	48	51	47	49	50	44	48	52	47	50	52	47	50	0.8	No
R1072	GF	E	293649.7	1247689.7	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	1.0	No
R1072	F 1	E	293649.7	1247689.7	Residential	60	49	44	47	50	47	47	48	43	46	51	47	48	51	47	48	0.8	No
R1074	GF	E	293655.6	1247131.0	Residential	60	48	44	47	50	47	47	48	43	46	50	47	48	50	47	48	0.6	No
R1078	GF	E	293652.7	1247435.0	Residential	60	42	37	40	43	40	40	41	37	40	44	40	42	44	40	42	1.0	No
R1078	F 1	E	293652.7	1247435.0	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	46	0.8	No
R1079	GF	E	293652.4	1247113.6	Residential	60	50	45	48	51	48	48	49	45	47	51	48	49	52	48	49	0.5	No
R1082	GF	N	293654.9	1246594.3	Residential	60	49	44	47	51	48	47	48	44	46	51	48	48	51	48	48	0.6	No
R1082	F 1	N	293654.9	1246594.3	Residential	60	50	45	48	51	48	48	49	45	47	51	48	49	52	48	49	0.5	No
R1083	GF	E	293661.1	1247144.3	Residential	60	47	42	46	49	46	45	47	42	45	49	45	47	49	46	47	0.8	No
R1084	GF	E	293657.3	1247451.9	Residential	60	42	37	40	44	41	40	42	37	40	44	40	42	45	41	42	1.0	No
R1091	GF	E	293657.5	1246450.9	Residential	60	44	39	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R1092	GF	E	293656.7	1247468.9	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R1093	GF	N	293653.5	1247240.6	Residential	60	45	40	43	46	44	43	44	40	42	47	43	44	47	44	45	0.9	No
R1094	GF	E	293658.0	1246314.9	Residential	60	46	41	45	48	44	45	46	41	45	49	44	46	49	44	47	1.0	No
R1095	GF	N	293654.9	1246409.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1097	GF	SE	293659.7	1246331.5	Residential	60	46	41	44	47	44	44	45	41	44	48	44	46	48	44	46	0.9	No
R1101	GF	N	293655.6	1246363.9	Residential	60	46	41	44	47	45	44	46	41	44	48	44	46	48	44	46	0.8	No
R1102	GF	E	293668.6	1247483.9	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R1104	GF	S	293656.7	1246343.5	Residential	60	44	39	43	46	43	42	44	39	43	47	43	44	47	43	44	1.0	No
R1107	GF	N	293655.9	1246497.6	Residential	60	45	41	43	47	44	43	45	40	43	47	44	44	47	44	45	0.8	No
R1108	GF	E	293662.7	1247070.7	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.5	No
R1116	GF	SE	293661.6	1246232.4	Residential	60	45	40	44	47	43	44	45	40	44	48	43	46	48	43	46	1.1	No
R1117	GF	S	293659.2	1247177.3	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R1119	GF	S	293662.6	1247512.9	Residential	60	44	39	42	45	42	42	43	39	42	46	42	44	46	42	44	0.9	No
R1119	F 1	S	293662.6	1247512.9	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.7	No
R1120	GF	E	293674.7	1247328.6	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1120	F 1	E	293674.7	1247328.6	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	50	0.7	No
R1121	GF	E	293668.4	1247276.3	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	46	0.9	No
R1124	GF	E	293671.5	1247294.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1125	GF	E	293671.3	1247532.9	Residential	60	42	38	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R1127	GF	E	293682.5	1247345.5	Residential	60	45	40	44	47	44	44	45	40	43	47	44	45	48	44	45	1.0	No
R1127	F 1	E	293682.5	1247345.5	Residential	60	50	45	48	51	48	48	50	45	48	52	48	49	52	48	50	0.7	No
R1128	GF	E	293670.1	1246100.0	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R1130	GF	E	293669.0	1247310.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R1132	GF	S	293663.2	1247735.9	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	46	0.8	No
R1133	GF	E	293670.1	1247550.7	Residential	60	43	38	41	44	41	41	42	38	41	45	41	42	45	41	43	0.9	No
R1133	F 1	E	293670.1	1247550.7	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1135	GF	E	293680.4	1247364.7	Residential	60	46	41	45	48	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R1135	F 1	E	293680.4	1247364.7	Residential	60	49	44	48	51	48	48	49	44	47	51	47	49	52	48	49	0.8	No
R1137	GF	E	293675.7	1247231.8	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R1139	GF	N	293671.3	1246403.7	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.8	No
R1140	GF	E	293672.7	1247566.4	Residential	60	43	38	41	45	42	42	43	38	41	45	41	43	46	42	43	1.0	No
R1142	GF	S	293668.2	1246436.6	Residential	60	44	39	43	46	43	43	45	39	43	47	43	45	47	43	45	1.1	No
R1143	GF	E	293674.0	1247584.1	Residential	60	43	39	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R1144	GF	W	293662.7	1247773.4	Residential	60	41	36	39	42	39	39	40	35	38	43	39	40	43	39	40	0.7	No
R1144	F 1	W	293662.7	1247773.4	Residential	60	47	42	45	49	46	46	47	42	45	49	45	47	49	46	47	0.8	No
R1146	GF	SE	293680.4	1246191.3	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R1147	GF	S	293672.1	1247593.0	Residential	60	43	38	41	44	41	41	42	37	40	44	41	42	45	41	43	0.9	No
R1148	GF	E	293682.8	1247378.0	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R1148	F 1	E	293682.8	1247378.0	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	50	0.8	No
R1149	GF	E	293675.8	1246354.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R1152	GF	E	293685.8	1246588.8	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.5	No
R1152	F 1	E	293685.8	1246588.8	Residential	60	51	47	50	53	50	49	51	47	49	53	50	50	53	50	51	0.6	No
R1153	GF	SE	293677.0	1246241.5	Residential	60	46	41	44	47	44	44	46	41	45	48	44	46	48	44	46	1.1	No
R1154	GF	E	293677.6	1246114.6	Residential	60	47	42	46	49	45	46	47	42	46	49	45	47	50	45	47	1.1	No
R1156	GF	E	293679.8	1247617.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R1156	F 1	E	293679.8	1247617.3	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	48	45	46	0.7	No
R1158	GF	S	293684.3	1247797.4	Residential	60	40	35	38	41	38	38	39	34	37	42	38	39	42	38	40	0.9	No
R1158	F 1	S	293684.3	1247797.4	Residential	60	46	41	45	48	45	45	46	41	44	48	45	46	49	45	46	0.7	No
R1160	GF	S	293676.5	1246482.9	Residential	60	45	40	44	47	44	43	45	40	44	48	44	45	48	44	45	1.1	No
R1161	GF	E	293679.0	1246130.7	Residential	60	48	42	46	49	45	46	48	42	46	50	45	48	50	45	48	1.0	No
R1163	GF	E	293680.4	1246075.6	Residential	60	47	42	46	49	46	45	47	42	46	50	46	47	50	46	47	1.1	No
R1166	GF	W	293670.5	1247821.2	Residential	60	39	35	37	41	38	38	39	35	37	42	38	39	42	38	39	0.8	No
R1166	F 1	W	293670.5	1247821.2	Residential	60	44	39	42	45	43	42	44	39	42	46	42	44	46	42	44	0.9	No
R1168	GF	SE	293686.9	1246255.3	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1171	GF	E	293685.4	1247633.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R1171	F 1	E	293685.4	1247633.5	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R1172	GF	NE	293685.8	1246183.4	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.1	No
R1174	GF	E	293683.1	1247649.8	Residential	60	43	39	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R1174	F 1	E	293683.1	1247649.8	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.8	No
R1175	GF	S	293678.6	1247833.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.8	No
R1175	F 1	S	293678.6	1247833.9	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1176	GF	E	293694.3	1247428.7	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R1176	F 1	E	293694.3	1247428.7	Residential	60	49	44	47	50	47	47	48	44	47	51	47	48	51	47	49	0.8	No
R1177	GF	E	293689.0	1247396.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1178	GF	S	293687.5	1247734.2	Residential	60	47	42	46	49	46	45	47	42	45	49	45	47	49	46	47	0.8	No
R1178	F 1	S	293687.5	1247734.2	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.7	No
R1179	GF	S	293724.7	1247670.2	Commercial	n/a	46	41	45	48	45	45	46	41	44	48	44	46	49	45	46	0.9	No
R1180	GF	E	293691.6	1247412.7	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	0.9	No
R1180	F 1	E	293691.6	1247412.7	Residential	60	49	44	47	50	47	47	49	44	47	51	47	48	51	47	49	0.8	No
R1181	GF	E	293692.2	1246278.0	Residential	60	47	42	46	49	45	46	47	42	45	49	45	47	49	45	47	0.9	No
R1182	GF	N	293684.9	1246582.1	Residential	60	51	47	49	53	50	49	51	47	48	53	50	50	53	50	50	0.5	No
R1182	F 1	N	293684.9	1246582.1	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.5	No
R1183	GF	S	293689.9	1246385.6	Residential	60	46	42	45	48	45	44	46	42	45	49	45	46	49	45	46	1.1	No
R1184	GF	E	293691.8	1246524.4	Residential	60	47	42	45	49	46	45	47	42	45	49	46	47	50	46	47	1.1	No
R1185	GF	E	293689.8	1246161.8	Residential	60	48	43	46	49	46	47	48	43	46	50	46	48	50	46	48	1.0	No
R1186	GF	S	293682.6	1247872.4	Residential	60	40	35	38	41	38	38	39	34	37	42	38	39	42	38	39	0.9	No
R1186	F 1	S	293682.6	1247872.4	Residential	60	40	36	39	42	39	39	40	35	38	42	39	40	43	39	40	0.8	No
R1187	GF	E	293694.0	1246441.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1188	GF	E	293697.2	1246064.8	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1189	GF	E	293700.1	1246292.3	Residential	60	48	42	46	49	46	46	47	42	46	50	46	47	50	46	48	1.0	No
R1191	GF	W	293681.5	1247860.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.7	No
R1191	F 1	W	293681.5	1247860.9	Residential	60	41	36	39	42	39	39	40	35	38	42	39	40	42	39	40	0.5	No
R1191	F 2	W	293681.5	1247860.9	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	42	39	40	0.6	No
R1191	F 3	W	293681.5	1247860.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.7	No
R1192	GF	NE	293691.5	1246356.2	Residential	60	46	41	44	47	44	44	46	41	44	48	44	45	48	44	45	0.8	No
R1193	GF	E	293694.2	1247445.0	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R1193	F 1	E	293694.2	1247445.0	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1195	GF	E	293693.7	1247107.6	Residential	60	51	46	49	52	49	49	50	46	48	52	49	50	52	49	50	0.5	No
R1198	GF	S	293691.1	1247173.5	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	45	0.8	No
R1200	GF	E	293700.6	1247511.1	Residential	60	45	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.9	No
R1200	F 1	E	293700.6	1247511.1	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.7	No
R1201	GF	E	293696.6	1247462.3	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	45	0.9	No
R1202	GF	E	293700.0	1247121.5	Residential	60	48	44	47	50	47	47	48	43	46	50	47	48	50	47	48	0.6	No
R1203	GF	E	293700.6	1247478.9	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R1205	GF	E	293698.2	1246307.2	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1208	GF	E	293697.7	1247141.3	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1212	GF	E	293704.1	1246327.1	Residential	60	46	41	45	47	44	45	46	41	44	48	44	46	48	44	46	0.9	No
R1213	GF	SE	293706.0	1246016.2	Residential	60	48	42	46	49	45	46	48	42	46	50	45	48	50	45	48	1.0	No
R1213	F 1	SE	293706.0	1246016.2	Residential	60	49	44	48	50	47	48	49	44	48	51	47	49	51	47	49	1.1	No
R1213	F 2	SE	293706.0	1246016.2	Residential	60	51	45	49	52	48	49	51	45	49	53	48	51	53	48	51	1.1	No
R1215	GF	E	293700.1	1246508.4	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.1	No
R1217	GF	E	293711.0	1247530.2	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R1217	F 1	E	293711.0	1247530.2	Residential	60	48	43	47	50	46	46	48	43	46	50	46	48	50	46	48	0.8	No
R1220	GF	NE	293705.7	1246488.8	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R1221	GF	N	293703.5	1247233.6	Residential	60	46	41	44	47	45	44	45	41	43	48	44	45	48	45	46	0.9	No
R1223	GF	E	293708.6	1247545.9	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	44	0.9	No
R1227	GF	N	293703.9	1247907.7	Residential	60	37	32	35	38	35	35	36	31	35	38	34	36	39	35	37	1.2	No
R1227	F 1	N	293703.9	1247907.7	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	41	36	39	1.2	No
R1228	GF	E	293715.2	1247577.2	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R1230	GF	E	293710.9	1246342.1	Residential	60	49	44	47	50	47	47	48	44	47	51	47	48	51	47	49	0.9	No
R1231	GF	S	293704.7	1247264.3	Residential	60	45	41	44	47	44	43	45	40	43	47	44	45	48	44	45	0.9	No
R1233	GF	E	293712.3	1246082.2	Residential	60	46	42	45	48	45	45	47	42	45	49	45	46	49	45	46	1.0	No
R1234	GF	E	293707.8	1247558.3	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.8	No
R1237	GF	E	293724.6	1247629.2	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	1.0	No
R1238	GF	E	293721.1	1247612.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R1238	F 1	E	293721.1	1247612.3	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.8	No
R1239	GF	E	293719.8	1247594.8	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R1239	F 1	E	293719.8	1247594.8	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.7	No
R1239	F 2	E	293719.8	1247594.8	Residential	60	50	45	48	52	49	48	50	45	48	52	48	49	52	49	50	0.7	No
R1240	GF	S	293709.4	1247171.5	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.7	No
R1241	GF	E	293712.1	1246212.4	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R1248	GF	E	293717.3	1247119.4	Residential	60	50	45	48	52	49	48	50	45	48	52	49	49	52	49	49	0.5	No
R1249	GF	E	293716.8	1247305.6	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	49	45	46	0.8	No
R1250	GF	E	293714.5	1246388.0	Residential	60	48	43	47	50	47	47	49	43	47	51	47	49	51	47	49	1.1	No
R1251	GF	E	293714.1	1247287.9	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R1252	GF	E	293717.5	1246408.1	Residential	60	48	43	47	50	47	47	48	43	46	50	47	48	50	47	48	0.9	No
R1253	GF	NE	293714.2	1246450.6	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1254	GF	E	293727.3	1247318.5	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R1256	GF	E	293719.7	1246198.3	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.1	No
R1259	GF	E	293719.8	1247133.7	Residential	60	45	41	44	47	44	44	45	40	43	47	44	45	47	44	45	0.7	No
R1260	GF	S	293725.9	1247730.2	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	47	0.8	No
R1260	F 1	S	293725.9	1247730.2	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.6	No
R1261	GF	N	293713.6	1247230.0	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	46	0.9	No
R1261	F 1	N	293713.6	1247230.0	Residential	60	49	44	47	50	48	47	48	44	46	51	47	48	51	48	49	0.7	No
R1262	GF	E	293721.8	1246226.4	Residential	60	49	43	47	50	46	47	49	43	47	51	46	49	51	46	49	1.0	No
R1263	GF	E	293718.7	1246423.2	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R1265	GF	E	293720.1	1246096.7	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.1	No
R1267	GF	E	293730.9	1247347.2	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	46	0.9	No
R1267	F 1	E	293730.9	1247347.2	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.7	No
R1270	GF	NW	293719.6	1246069.1	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R1270	F 1	NW	293719.6	1246069.1	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.0	No
R1272	GF	E	293721.9	1247335.9	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R1273	GF	E	293724.1	1247887.8	Residential	60	40	35	38	41	38	38	39	34	37	42	38	39	42	38	40	1.0	No
R1273	F 1	E	293724.1	1247887.8	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1274	GF	E	293726.6	1247642.6	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	0.9	No
R1275	GF	E	293728.1	1247365.4	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R1276	GF	E	293751.2	1247773.2	Residential	60	45	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.7	No
R1276	F 1	E	293751.2	1247773.2	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	48	44	46	0.7	No
R1277	GF	E	293754.4	1247790.7	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.8	No
R1277	F 1	E	293754.4	1247790.7	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1280	GF	E	293725.2	1246129.9	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.0	No
R1282	GF	SE	293725.6	1246110.6	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.1	No
R1285	GF	S	293721.3	1247168.0	Residential	60	46	41	44	47	44	44	46	41	44	48	44	45	48	44	45	0.7	No
R1286	GF	E	293755.2	1247811.5	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	42	0.8	No
R1286	F 1	E	293755.2	1247811.5	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R1288	GF	E	293727.5	1247382.2	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	49	45	46	0.9	No
R1288	F 1	E	293727.5	1247382.2	Residential	60	50	45	49	52	49	48	50	45	48	52	48	50	52	49	50	0.8	No
R1290	GF	E	293745.6	1247753.9	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.8	No
R1290	F 1	E	293745.6	1247753.9	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	49	46	47	0.8	No
R1290	F 2	E	293745.6	1247753.9	Residential	60	49	44	47	50	48	47	48	44	47	51	47	48	51	48	49	0.8	No
R1290	F 3	E	293745.6	1247753.9	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.7	No
R1291	GF	E	293731.7	1247397.0	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R1291	F 1	E	293731.7	1247397.0	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	50	0.8	No
R1292	GF	E	293728.4	1246240.2	Residential	60	48	43	46	49	46	47	48	43	47	50	46	48	50	46	48	1.0	No
R1293	GF	SE	293728.8	1246146.1	Residential	60	48	43	47	50	46	47	48	43	47	51	46	48	51	46	49	1.0	No
R1294	GF	NE	293727.6	1246185.5	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.1	No
R1295	GF	SE	293742.0	1246036.7	Residential	60	50	45	49	52	48	49	50	45	49	53	48	50	53	48	50	1.0	No
R1295	F 1	SE	293742.0	1246036.7	Residential	60	52	47	51	54	50	51	52	47	51	55	50	53	55	50	53	1.0	No
R1298	GF	S	293726.2	1247128.1	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	48	48	0.5	No
R1299	GF	N	293730.2	1247229.3	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	46	0.9	No
R1302	GF	E	293732.6	1247411.1	Residential	60	46	41	44	47	44	44	45	40	44	48	44	45	48	44	45	0.9	No
R1303	GF	E	293742.5	1247837.5	Residential	60	39	34	37	41	38	37	39	34	37	41	37	39	42	38	39	0.9	No
R1303	F 1	E	293742.5	1247837.5	Residential	60	42	38	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R1303	F 2	E	293742.5	1247837.5	Residential	60	47	42	45	49	46	45	47	42	45	49	45	47	49	46	47	0.9	No
R1304	GF	E	293740.1	1247429.1	Residential	60	45	40	43	47	44	43	45	40	43	47	43	45	48	44	45	0.9	No
R1307	GF	N	293735.0	1246101.4	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.1	No
R1308	GF	E	293733.1	1246165.4	Residential	60	49	43	47	50	47	47	49	43	47	51	47	49	51	47	49	0.9	No
R1309	GF	E	293743.8	1246255.7	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.0	No
R1312	GF	S	293728.9	1247262.4	Residential	60	45	40	43	47	44	43	45	40	43	47	44	45	48	44	45	1.0	No
R1313	GF	E	293750.8	1246552.8	Residential	60	48	44	47	50	47	47	48	44	46	50	47	48	51	47	48	0.9	No
R1313	F 1	E	293750.8	1246552.8	Residential	60	52	47	50	53	50	50	52	47	50	54	50	52	54	50	52	0.7	No
R1313	F 2	E	293750.8	1246552.8	Residential	60	54	49	52	56	53	53	54	49	52	56	53	54	56	53	54	0.5	No
R1315	GF	E	293741.4	1247440.7	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1317	GF	E	293739.6	1247456.2	Residential	60	45	40	43	46	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R1323	GF	E	293741.7	1246271.3	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R1324	GF	S	293740.0	1247167.3	Residential	60	46	41	44	48	45	44	46	41	44	48	45	46	48	45	46	0.8	No
R1325	GF	E	293751.7	1246300.1	Residential	60	49	44	47	50	47	47	49	44	47	51	47	48	51	47	48	0.8	No
R1325	F 1	E	293751.7	1246300.1	Residential	60	53	48	51	54	51	52	53	48	51	55	51	53	55	51	53	0.8	No
R1326	GF	E	293746.3	1247471.0	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	45	0.9	No
R1329	GF	S	293739.6	1247123.1	Residential	60	49	44	47	50	47	47	48	44	46	50	47	48	50	47	48	0.5	No
R1331	GF	E	293751.6	1246285.3	Residential	60	49	44	48	51	47	48	49	44	48	52	47	49	52	47	49	0.9	No
R1331	F 1	E	293751.6	1246285.3	Residential	60	53	48	52	54	51	52	53	48	51	55	51	53	55	51	53	0.9	No
R1332	GF	E	293758.3	1246314.2	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.9	No
R1333	GF	E	293754.8	1247523.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R1334	GF	E	293762.7	1246582.2	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.6	No
R1334	F 1	E	293762.7	1246582.2	Residential	60	52	48	51	54	51	51	52	48	50	54	51	52	55	51	52	0.6	No
R1334	F 2	E	293762.7	1246582.2	Residential	60	55	50	53	56	53	53	54	50	52	56	53	54	56	53	54	0.6	No
R1335	GF	E	293763.4	1246523.1	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R1335	F 1	E	293763.4	1246523.1	Residential	60	52	47	50	53	50	50	52	47	50	54	50	52	54	50	52	0.7	No
R1335	F 2	E	293763.4	1246523.1	Residential	60	55	50	53	56	53	53	54	50	52	57	53	54	57	53	54	0.7	No
R1336	GF	S	293742.1	1247498.7	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R1337	GF	E	293744.4	1247225.4	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.9	No
R1338	GF	E	293750.7	1246241.4	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.1	No
R1339	GF	E	293758.2	1247538.3	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R1340	GF	E	293755.1	1246499.8	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R1342	GF	NE	293749.2	1246345.6	Residential	60	50	45	48	51	48	48	50	45	48	52	48	49	52	48	49	0.8	No
R1345	GF	E	293765.1	1246468.3	Residential	60	49	44	47	50	47	47	48	44	47	51	47	48	51	47	48	0.9	No
R1347	GF	E	293758.8	1246485.1	Residential	60	48	43	47	50	47	46	48	43	46	50	47	48	51	47	48	1.0	No
R1349	GF	E	293754.5	1247554.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R1351	GF	E	293759.4	1247572.9	Residential	60	43	38	42	45	42	42	43	38	41	45	41	43	46	42	43	0.9	No
R1354	GF	E	293760.6	1247177.0	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	47	0.6	No
R1356	GF	S	293754.6	1247119.6	Residential	60	49	44	47	50	48	47	49	44	47	51	48	49	51	48	48	0.7	No
R1359	GF	E	293763.6	1246385.7	Residential	60	49	44	48	51	47	48	49	44	47	51	47	49	51	47	49	0.8	No
R1361	GF	E	293763.6	1247261.0	Residential	60	48	43	46	50	47	46	48	43	46	50	46	48	51	47	48	1.0	No
R1362	GF	S	293755.3	1247850.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R1362	F 1	S	293755.3	1247850.5	Residential	60	44	39	42	46	42	43	44	39	42	46	42	44	46	42	44	0.9	No
R1363	GF	S	293758.0	1247582.3	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	45	42	43	0.9	No
R1363	F 1	S	293758.0	1247582.3	Residential	60	48	43	46	49	46	46	48	43	46	50	46	47	50	46	48	0.7	No
R1364	GF	E	293768.7	1247313.9	Residential	60	46	41	45	48	45	45	46	41	44	48	44	46	49	45	46	0.9	No
R1364	F 1	E	293768.7	1247313.9	Residential	60	51	46	50	53	50	50	51	46	49	53	49	51	53	50	51	0.7	No
R1365	GF	E	293765.2	1247603.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R1369	GF	E	293766.2	1246400.5	Residential	60	50	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.7	No
R1371	GF	E	293765.5	1247620.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R1371	F 1	E	293765.5	1247620.9	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	50	46	47	0.9	No
R1372	GF	E	293765.0	1246432.9	Residential	60	50	45	48	51	49	48	50	45	48	52	49	50	52	49	50	0.9	No
R1373	GF	N	293763.9	1247224.5	Residential	60	49	44	47	51	48	47	48	44	46	51	47	48	51	48	49	0.7	No
R1373	F 1	N	293763.9	1247224.5	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.6	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1374	GF	SE	293786.6	1246072.4	Residential	60	52	46	50	53	50	50	52	46	50	54	50	52	54	50	52	1.0	No
R1374	F 1	SE	293786.6	1246072.4	Residential	60	53	48	52	54	51	52	53	48	52	55	51	53	55	51	53	1.0	No
R1375	GF	E	293763.7	1247280.5	Residential	60	47	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.8	No
R1375	F 1	E	293763.7	1247280.5	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.8	No
R1376	GF	E	293766.7	1247299.9	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1377	GF	E	293765.3	1246416.9	Residential	60	51	46	49	52	49	49	50	46	49	53	49	50	53	49	50	0.8	No
R1378	GF	E	293765.0	1246302.2	Residential	60	49	44	48	51	48	48	49	44	48	52	48	49	52	48	49	0.9	No
R1380	GF	E	293765.9	1246449.7	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	49	0.9	No
R1381	GF	E	293769.6	1247636.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R1384	GF	E	293781.9	1247403.6	Residential	60	45	40	43	47	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R1385	GF	E	293774.5	1247343.7	Residential	60	46	41	44	47	44	44	45	40	43	48	44	45	48	44	45	0.9	No
R1387	GF	E	293770.8	1246339.3	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.0	No
R1388	GF	E	293770.5	1247328.7	Residential	60	46	42	45	48	45	45	46	41	44	48	45	46	49	45	46	0.8	No
R1389	GF	E	293773.1	1246109.5	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.1	No
R1390	GF	SE	293770.6	1246064.2	Residential	60	52	47	50	53	50	50	52	47	50	54	50	52	54	50	52	0.9	No
R1390	F 1	SE	293770.6	1246064.2	Residential	60	53	47	51	54	51	51	53	47	51	55	51	53	55	51	53	1.1	No
R1393	GF	N	293770.0	1246258.8	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.9	No
R1394	GF	SE	293773.4	1246154.7	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.1	No
R1395	GF	S	293767.1	1247568.5	Residential	60	44	39	42	45	42	42	43	38	42	46	42	43	46	42	44	1.0	No
R1396	GF	E	293771.8	1246173.9	Residential	60	50	44	48	51	47	48	50	44	48	52	47	50	52	47	50	1.1	No
R1397	GF	E	293782.1	1246184.0	Residential	60	50	44	48	51	48	48	49	44	48	52	48	50	52	48	50	0.9	No
R1399	GF	E	293773.2	1246123.6	Residential	60	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	1.0	No
R1400	GF	E	293775.5	1247358.2	Residential	60	45	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.9	No
R1401	GF	E	293772.3	1246326.7	Residential	60	48	43	46	49	46	46	48	43	46	50	46	47	50	46	48	1.0	No
R1404	GF	E	293782.7	1247417.7	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	45	1.0	No
R1405	GF	E	293776.9	1247389.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R1406	GF	E	293775.5	1246142.2	Residential	60	50	45	49	52	48	49	50	45	49	53	48	50	53	48	50	1.0	No
R1407	GF	E	293778.1	1247374.5	Residential	60	45	40	43	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1408	GF	SE	293772.9	1247126.6	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.8	No
R1410	GF	E	293781.8	1246232.7	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.2	No
R1411	GF	E	293785.2	1247448.1	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	47	43	44	1.0	No
R1413	GF	E	293784.6	1247465.4	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.8	No
R1414	GF	E	293786.5	1247434.6	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R1415	GF	NE	293781.7	1247179.1	Residential	60	50	45	48	51	48	48	49	45	47	51	48	49	52	48	49	0.6	No
R1417	GF	S	293781.8	1247493.0	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R1418	GF	N	293779.2	1247222.5	Residential	60	49	45	48	51	48	48	49	44	47	51	47	49	52	48	49	0.8	No
R1419	GF	N	293780.0	1246385.3	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.8	No
R1420	GF	NE	293781.0	1246221.5	Residential	60	49	44	47	50	47	47	49	44	48	51	47	49	51	47	49	1.0	No
R1421	GF	E	293786.4	1246202.7	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.0	No
R1422	GF	SE	293787.8	1246243.2	Residential	60	49	44	48	51	47	48	49	44	48	51	47	49	51	47	49	0.9	No
R1424	GF	E	293785.7	1246577.2	Residential	60	50	46	48	52	49	48	50	45	47	52	49	49	52	49	49	0.5	No
R1424	F 1	E	293785.7	1246577.2	Residential	60	53	48	52	55	52	52	53	48	51	55	52	53	55	52	53	0.6	No
R1425	GF	S	293778.6	1247559.6	Residential	60	44	39	43	46	43	43	44	39	42	46	42	44	47	43	44	0.9	No
R1426	GF	E	293800.0	1247514.7	Residential	60	45	41	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1426	F 1	E	293800.0	1247514.7	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	50	0.8	No
R1427	GF	E	293793.8	1246263.6	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	1.1	No
R1428	GF	E	293787.8	1247141.5	Residential	60	52	47	50	54	51	50	52	47	50	54	51	51	54	51	52	0.7	No
R1429	GF	NE	293785.7	1246338.9	Residential	60	50	45	48	51	49	48	50	45	48	52	49	50	52	49	50	0.7	No
R1431	GF	S	293798.2	1247715.5	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	44	45	0.9	No
R1431	F 1	S	293798.2	1247715.5	Residential	60	48	43	46	50	47	46	48	43	46	50	46	48	50	47	48	0.8	No
R1431	F 2	S	293798.2	1247715.5	Residential	60	50	45	48	52	49	48	49	45	48	52	48	49	52	49	50	0.7	No
R1433	GF	SE	293790.2	1247158.6	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.6	No
R1434	GF	E	293798.5	1246543.9	Residential	60	50	45	48	51	48	48	50	45	48	52	48	49	52	48	50	0.9	No
R1434	F 1	E	293798.5	1246543.9	Residential	60	54	49	52	55	52	52	54	49	52	56	52	54	56	52	54	0.6	No
R1437	GF	E	293798.7	1247531.6	Residential	60	45	40	44	47	44	43	45	40	43	47	43	45	47	44	45	0.9	No
R1437	F 1	E	293798.7	1247531.6	Residential	60	50	45	48	52	48	49	50	45	48	52	48	50	52	49	50	0.8	No
R1438	GF	N	293790.1	1247219.7	Residential	60	50	45	48	51	48	48	49	44	47	51	48	49	52	48	49	0.7	No
R1438	F 1	N	293790.1	1247219.7	Residential	60	52	47	50	53	50	50	51	46	49	53	50	50	54	50	51	0.7	No
R1439	GF	S	293819.7	1247732.2	Residential	60	41	36	40	43	40	39	41	36	39	43	39	41	44	40	41	1.0	No
R1439	F 1	S	293819.7	1247732.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	1.0	No
R1439	F 2	S	293819.7	1247732.2	Residential	60	49	45	48	51	48	48	49	44	47	51	47	49	52	48	49	0.9	No
R1441	GF	E	293799.5	1246463.1	Residential	60	52	47	50	54	51	50	52	47	50	54	51	51	54	51	51	0.5	No
R1445	GF	N	293816.0	1245936.3	Commercial	n/a	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	1.0	No
R1445	F 1	N	293816.0	1245936.3	Commercial	n/a	52	46	50	53	49	50	52	46	50	54	49	52	54	49	52	1.0	No
R1445	F 2	N	293816.0	1245936.3	Commercial	n/a	54	48	53	55	51	53	54	48	53	56	51	55	56	51	55	1.1	No
R1447	GF	E	293831.5	1247768.8	Residential	60	41	36	39	42	39	39	40	35	39	43	39	40	43	39	41	0.6	No
R1447	F 1	E	293831.5	1247768.8	Residential	60	44	39	42	45	42	42	43	38	42	46	42	44	46	42	44	0.8	No
R1448	GF	E	293795.5	1246293.8	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R1450	GF	E	293798.1	1246276.9	Residential	60	50	45	49	51	48	49	50	45	48	52	48	50	52	48	50	0.9	No
R1451	GF	E	293801.0	1246527.4	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.8	No
R1452	GF	E	293804.0	1247566.7	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R1453	GF	E	293799.5	1246561.2	Residential	60	50	45	49	52	49	49	50	45	48	52	49	50	52	49	50	0.7	No
R1455	GF	NE	293797.8	1246446.8	Residential	60	52	48	50	54	51	50	52	48	49	54	51	51	54	51	51	0.4	No
R1456	GF	E	293800.9	1247547.6	Residential	60	46	41	44	48	44	44	46	41	44	48	44	46	48	45	46	0.9	No
R1457	GF	E	293836.9	1247794.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R1457	F 1	E	293836.9	1247794.9	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R1459	GF	N	293798.4	1246384.6	Residential	60	50	45	48	51	48	48	49	45	48	52	48	49	52	48	49	0.8	No
R1461	GF	E	293811.4	1247633.1	Residential	60	45	40	43	46	43	43	44	39	42	46	42	44	47	43	45	0.9	No
R1461	F 1	E	293811.4	1247633.1	Residential	60	49	44	47	50	48	47	48	44	47	51	47	48	51	48	49	0.8	No
R1462	GF	E	293803.2	1247582.5	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.9	No
R1463	GF	E	293803.1	1246312.6	Residential	60	49	44	47	50	47	47	49	44	48	51	47	49	51	47	49	1.0	No
R1464	GF	E	293811.4	1247073.0	Active recreation	65	54	49	52	55	53	52	53	49	51	56	53	53	56	53	53	0.5	No
R1464	F 1	E	293811.4	1247073.0	Active recreation	65	55	50	53	56	53	53	54	50	52	56	53	54	56	53	54	0.5	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1465	GF	E	293810.3	1246497.9	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.7	No
R1466	GF	E	293825.1	1247814.5	Residential	60	39	34	37	40	37	37	38	33	37	41	37	38	41	37	39	0.9	No
R1466	F 1	E	293825.1	1247814.5	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	1.1	No
R1466	F 2	E	293825.1	1247814.5	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.8	No
R1466	F 3	E	293825.1	1247814.5	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	50	46	47	0.9	No
R1469	GF	E	293804.0	1246478.1	Residential	60	52	48	50	54	51	50	52	48	50	54	51	51	54	51	52	0.6	No
R1471	GF	E	293805.1	1247597.7	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	48	45	46	0.8	No
R1471	F 1	E	293805.1	1247597.7	Residential	60	50	45	48	51	48	48	49	44	47	51	48	49	52	48	49	0.7	No
R1472	GF	NE	293806.5	1246432.1	Residential	60	52	47	50	53	50	50	51	47	49	53	50	50	54	50	51	0.4	No
R1473	GF	E	293827.5	1247831.4	Residential	60	39	35	37	41	38	37	39	34	37	41	38	39	42	38	39	0.9	No
R1473	F 1	E	293827.5	1247831.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R1473	F 2	E	293827.5	1247831.4	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No
R1473	F 3	E	293827.5	1247831.4	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R1474	GF	NE	293804.2	1246336.1	Residential	60	51	47	49	53	50	49	51	47	49	53	50	50	53	50	50	0.6	No
R1475	GF	E	293809.6	1247614.9	Residential	60	45	40	43	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1475	F 1	E	293809.6	1247614.9	Residential	60	50	45	48	51	48	48	49	44	47	51	48	49	52	48	49	0.8	No
R1479	GF	S	293803.4	1247193.7	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.4	No
R1479	F 1	S	293803.4	1247193.7	Residential	60	52	47	50	54	51	50	52	47	49	54	51	51	54	51	51	0.5	No
R1480	GF	E	293829.9	1247850.3	Residential	60	40	35	38	42	39	38	40	35	38	42	38	40	43	39	40	0.9	No
R1480	F 1	E	293829.9	1247850.3	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	42	1.0	No
R1480	F 2	E	293829.9	1247850.3	Residential	60	45	40	43	46	43	43	44	39	42	46	42	44	47	43	45	1.0	No
R1480	F 3	E	293829.9	1247850.3	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R1481	GF	E	293808.6	1246511.9	Residential	60	51	46	49	52	49	49	50	46	49	53	49	50	53	49	50	0.8	No
R1483	GF	E	293820.8	1247263.1	Residential	60	50	45	48	51	48	48	50	45	48	52	48	49	52	49	50	0.9	No
R1484	GF	E	293881.7	1247883.9	Industrial	n/a	43	38	41	44	41	41	42	38	41	45	41	42	45	41	43	1.1	No
R1485	GF	E	293819.4	1247292.8	Residential	60	48	43	47	50	47	47	48	43	46	50	47	48	51	47	48	0.8	No
R1487	GF	E	293813.3	1247308.9	Residential	60	47	42	45	48	45	45	46	42	44	49	45	46	49	45	46	0.8	No
R1490	GF	E	293851.5	1246620.8	Residential	60	58	53	56	59	56	56	57	53	55	59	56	56	59	56	56	0.3	No
R1490	F 1	E	293851.5	1246620.8	Residential	60	58	53	56	59	56	56	57	53	55	60	56	57	60	56	57	0.4	No
R1491	GF	E	293815.8	1246137.0	Residential	60	52	47	50	53	50	50	52	47	50	54	50	52	54	50	52	0.9	No
R1492	GF	E	293844.6	1246646.3	Residential	60	57	53	55	59	56	55	57	53	54	59	56	56	59	56	56	0.3	No
R1494	GF	E	293818.7	1247321.3	Residential	60	46	41	45	48	45	45	46	41	44	48	45	46	49	45	46	0.9	No
R1495	GF	S	293810.1	1246368.3	Residential	60	51	46	49	52	50	49	51	46	50	54	50	51	54	50	51	1.2	No
R1496	GF	E	293812.9	1246120.8	Residential	60	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	1.0	No
R1497	GF	E	293831.5	1247351.9	Residential	60	46	41	44	47	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R1499	GF	N	293816.4	1247343.7	Residential	60	44	39	42	46	43	42	44	39	42	46	42	44	47	43	44	0.9	No
R1503	GF	E	293823.3	1246180.7	Residential	60	54	49	52	55	52	52	54	49	52	56	52	54	56	52	54	0.7	No
R1505	GF	E	293823.6	1246150.5	Residential	60	54	49	53	56	53	52	54	49	53	57	53	54	57	53	54	1.0	No
R1506	GF	E	293821.6	1247368.6	Residential	60	46	41	44	47	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R1506	F 1	E	293821.6	1247368.6	Residential	60	52	47	50	54	51	51	52	47	50	54	50	52	54	51	52	0.7	No
R1508	GF	E	293824.4	1246164.8	Residential	60	54	49	52	55	52	52	54	49	52	56	52	54	56	52	54	0.8	No
R1509	GF	SE	293820.4	1246094.2	Residential	60	53	48	51	54	51	51	53	48	51	55	51	53	55	51	53	1.0	No
R1510	GF	N	293820.6	1246427.5	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.5	No
R1512	GF	E	293828.1	1247383.6	Residential	60	47	42	45	48	45	45	46	41	44	49	45	46	49	45	46	0.9	No
R1512	F 1	E	293828.1	1247383.6	Residential	60	52	47	51	54	51	50	52	47	50	54	50	52	54	51	52	0.7	No
R1513	GF	E	293840.6	1247427.2	Residential	60	45	41	44	47	44	44	45	40	43	47	44	45	48	44	45	0.9	No
R1516	GF	E	293828.7	1247396.6	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.9	No
R1516	F 1	E	293828.7	1247396.6	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	52	0.7	No
R1517	GF	S	293818.9	1247200.3	Residential	60	50	46	48	52	49	48	50	46	48	52	49	50	52	49	50	0.6	No
R1517	F 1	S	293818.9	1247200.3	Residential	60	53	48	51	55	52	51	53	48	50	55	52	52	55	52	52	0.5	No
R1519	GF	E	293826.4	1246211.3	Residential	60	53	48	52	54	51	51	53	48	51	55	51	53	55	51	53	0.8	No
R1522	GF	E	293826.9	1246195.6	Residential	60	54	49	52	55	52	52	54	49	52	56	52	54	56	52	54	0.8	No
R1524	GF	E	293832.7	1247414.3	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	1.0	No
R1524	F 1	E	293832.7	1247414.3	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	52	0.8	No
R1526	GF	E	293831.8	1246226.7	Residential	60	52	47	51	54	50	51	52	47	51	54	50	52	54	50	52	1.0	No
R1528	GF	E	293831.5	1247445.3	Residential	60	44	40	43	46	43	42	44	39	42	46	43	44	47	43	44	1.0	No
R1528	F 1	E	293831.5	1247445.3	Residential	60	52	47	50	53	50	50	51	46	49	53	50	51	54	50	51	0.8	No
R1529	GF	E	293843.7	1247456.2	Residential	60	46	41	44	47	44	44	45	40	43	47	44	45	48	44	46	0.9	No
R1530	GF	NE	293832.7	1246380.7	Residential	60	54	49	52	55	52	52	53	49	51	56	52	53	56	52	53	0.4	No
R1532	GF	S	293825.8	1247314.3	Residential	60	48	43	46	49	46	46	47	42	45	50	46	47	50	46	47	0.8	No
R1533	GF	E	293838.7	1247492.2	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	46	1.0	No
R1535	GF	E	293836.2	1246259.6	Residential	60	52	47	51	54	50	51	52	47	51	55	50	52	55	50	52	0.9	No
R1536	GF	E	293840.4	1246241.7	Residential	60	53	48	51	54	51	51	52	48	51	55	51	53	55	51	53	1.0	No
R1538	GF	E	293835.7	1247508.2	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1540	GF	E	293856.7	1246286.5	Residential	60	55	50	53	56	54	53	55	50	53	57	54	55	57	54	55	0.9	No
R1540	F 1	E	293856.7	1246286.5	Residential	60	59	54	58	61	57	58	59	54	58	61	57	59	61	57	59	1.0	No
R1540	F 2	E	293856.7	1246286.5	Residential	60	61	57	60	63	60	59	62	57	60	64	60	62	64	60	62	1.1	No
R1540	F 3	E	293856.7	1246286.5	Residential	60	61	57	60	63	60	60	62	57	60	64	60	62	64	60	62	1.2	No
R1541	GF	E	293834.4	1247335.7	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R1542	GF	E	293845.1	1247524.5	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1542	F 1	E	293845.1	1247524.5	Residential	60	49	44	48	51	48	48	49	44	47	51	47	49	51	48	49	0.7	No
R1543	GF	E	293842.3	1246590.3	Residential	60	56	52	54	58	55	54	56	52	53	58	55	55	58	55	55	0.3	No
R1544	GF	E	293839.5	1247200.5	Residential	60	50	46	48	52	49	48	50	46	48	52	49	49	52	49	49	0.5	No
R1544	F 1	E	293839.5	1247200.5	Residential	60	53	48	52	55	52	52	53	48	50	55	52	52	55	52	53	0.5	No
R1545	GF	SW	293832.9	1246413.0	Residential	60	51	47	49	53	50	49	51	47	49	53	50	51	53	50	51	0.7	No
R1546	GF	E	293840.6	1247540.3	Residential	60	46	41	44	47	44	44	45	41	44	48	44	45	48	44	46	0.9	No
R1546	F 1	E	293840.6	1247540.3	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.7	No
R1547	GF	E	293841.7	1246270.4	Residential	60	54	49	52	55	52	52	54	49	52	56	52	53	56	52	53	1.0	No
R1548	GF	S	293839.6	1247714.7	Residential	60	46	41	44	47	44	44	45	40	43	47	43	45	48	44	45	0.8	No
R1548	F 1	S	293839.6	1247714.7	Residential	60	49	44	47	51	48	47	48	44	47	51	47	48	51	48	49	0.7	No
R1550	GF	E	293844.9	1247557.3	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.9	No
R1551	GF	E	293845.6	1246573.5	Residential	60	56	51	54	58	55	54	55	51	53	58	55	55	58	55	55	0.4	No
R1552	GF	S	293843.6	1247131.3	Active recreation	65	53	49	51	55	52	51	53	49	51	55	52	52	55	52	53	0.6	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1553	GF	S	293839.1	1247342.5	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.9	No
R1554	GF	E	293849.6	1247592.7	Residential	60	46	41	44	48	45	44	46	41	44	48	44	46	48	45	46	0.9	No
R1555	GF	S	293844.4	1247571.8	Residential	60	47	42	45	48	45	45	46	41	44	49	45	46	49	45	47	0.9	No
R1555	F 1	S	293844.4	1247571.8	Residential	60	51	46	49	52	50	49	50	46	48	53	49	50	53	50	51	0.7	No
R1556	GF	N	293843.4	1246374.6	Residential	60	53	49	51	55	52	51	53	49	50	55	52	52	55	52	52	0.5	No
R1557	GF	S	293843.0	1246106.1	Residential	60	53	48	52	55	52	52	53	48	52	56	52	53	56	52	53	0.9	No
R1559	GF	S	293847.7	1247600.1	Residential	60	46	41	44	47	44	44	45	40	43	47	43	45	48	44	46	1.0	No
R1560	GF	E	293850.0	1246559.1	Residential	60	56	51	54	57	54	54	55	51	53	57	54	54	57	54	54	0.3	No
R1562	GF	E	293852.6	1247626.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	43	45	0.9	No
R1563	GF	E	293887.1	1247766.9	Residential	60	46	41	44	47	44	44	45	41	43	48	44	45	48	44	46	0.8	No
R1563	F 1	E	293887.1	1247766.9	Residential	60	48	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1563	F 2	E	293887.1	1247766.9	Residential	60	51	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.8	No
R1563	F 3	E	293887.1	1247766.9	Residential	60	53	48	51	54	51	51	52	47	50	54	50	52	55	51	52	0.8	No
R1565	GF	E	293854.0	1246542.3	Residential	60	54	50	52	56	53	52	54	50	51	56	53	53	56	53	53	0.4	No
R1566	GF	E	293857.7	1247640.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R1567	GF	E	293854.4	1246531.0	Residential	60	53	49	52	55	52	52	53	49	51	55	52	52	55	52	53	0.5	No
R1568	GF	E	293886.2	1247784.8	Residential	60	45	41	44	47	44	44	45	40	43	47	43	45	47	44	45	0.6	No
R1568	F 1	E	293886.2	1247784.8	Residential	60	48	43	46	49	46	46	47	43	45	50	46	47	50	46	48	0.7	No
R1568	F 2	E	293886.2	1247784.8	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.8	No
R1569	GF	E	293883.8	1247728.7	Residential	60	46	41	45	48	45	45	45	41	44	48	44	45	49	45	46	0.9	No
R1569	F 1	E	293883.8	1247728.7	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	48	49	0.8	No
R1569	F 2	E	293883.8	1247728.7	Residential	60	52	47	50	54	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1569	F 3	E	293883.8	1247728.7	Residential	60	53	48	51	55	52	51	52	48	51	55	51	52	55	52	53	0.8	No
R1570	GF	S	293848.4	1247411.7	Residential	60	44	40	43	46	43	43	44	39	42	46	43	44	47	43	44	0.9	No
R1571	GF	E	293855.6	1247285.8	Residential	60	49	44	47	51	48	48	49	44	47	51	47	49	51	48	49	0.8	No
R1571	F 1	E	293855.6	1247285.8	Residential	60	54	49	52	55	52	52	53	49	51	56	52	53	56	53	53	0.5	No
R1572	GF	S	293851.5	1247197.6	Residential	60	51	46	49	52	50	49	50	46	48	53	50	50	53	50	50	0.4	No
R1574	GF	N	293853.8	1246425.6	Residential	60	53	49	51	55	52	51	52	49	50	55	52	52	55	52	52	0.2	No
R1575	GF	N	293849.3	1247859.6	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	0.9	No
R1576	GF	E	293855.5	1246509.9	Residential	60	51	46	49	53	50	49	51	46	49	53	50	50	53	50	50	0.6	No
R1577	GF	E	293856.3	1247657.0	Residential	60	46	41	44	48	45	45	46	41	44	48	44	46	49	45	46	0.9	No
R1577	F 1	E	293856.3	1247657.0	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	51	0.9	No
R1578	GF	E	293857.8	1247301.3	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.7	No
R1580	GF	E	293859.0	1247316.3	Residential	60	51	46	49	52	49	49	50	46	48	52	49	50	53	49	50	0.8	No
R1581	GF	E	293870.9	1247376.7	Residential	60	50	45	48	52	49	48	49	45	48	52	48	49	52	49	50	0.7	No
R1582	GF	S	293854.9	1246484.7	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.5	No
R1583	GF	E	293870.1	1247676.2	Residential	60	46	41	44	47	45	44	46	41	44	48	44	46	48	45	46	1.0	No
R1583	F 1	E	293870.1	1247676.2	Residential	60	51	47	50	53	50	50	51	46	49	53	49	50	54	50	51	0.8	No
R1585	GF	S	293851.6	1247433.1	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	44	0.8	No
R1587	GF	E	293860.5	1247332.0	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.7	No
R1591	GF	E	293865.2	1246367.0	Residential	60	55	50	53	56	54	53	56	50	54	58	54	56	58	54	56	1.4	No
R1592	GF	E	293885.7	1247803.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	44	45	0.9	No
R1592	F 1	E	293885.7	1247803.6	Residential	60	48	43	46	49	46	46	47	42	45	49	46	47	50	46	47	0.9	No
R1592	F 2	E	293885.7	1247803.6	Residential	60	50	45	48	52	49	48	49	45	47	52	48	49	52	49	50	0.8	No
R1592	F 3	E	293885.7	1247803.6	Residential	60	52	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.8	No
R1593	GF	E	293885.5	1247748.1	Residential	60	47	42	45	48	45	45	46	41	44	48	45	46	49	45	47	0.9	No
R1593	F 1	E	293885.5	1247748.1	Residential	60	49	44	47	51	48	47	48	44	47	51	47	48	51	48	49	0.9	No
R1593	F 2	E	293885.5	1247748.1	Residential	60	52	47	50	53	50	50	51	46	49	53	50	51	54	50	52	0.8	No
R1593	F 3	E	293885.5	1247748.1	Residential	60	53	48	51	54	51	51	52	47	50	55	51	52	55	52	53	0.8	No
R1594	GF	NE	293863.3	1246128.1	Residential	60	61	56	59	62	59	59	61	56	59	63	59	60	63	59	60	0.8	No
R1595	GF	E	293870.9	1246140.2	Residential	60	63	58	61	64	62	61	62	58	60	65	62	62	65	62	62	0.7	No
R1596	GF	E	293872.2	1247390.9	Residential	60	49	45	48	51	48	48	49	44	47	51	48	49	52	48	49	0.7	No
R1596	F 1	E	293872.2	1247390.9	Residential	60	54	49	52	55	52	52	53	49	51	56	52	53	56	52	54	0.7	No
R1598	GF	E	293866.3	1247361.4	Residential	60	50	45	49	52	49	49	50	45	48	52	48	50	53	49	50	0.8	No
R1598	F 1	E	293866.3	1247361.4	Residential	60	54	49	52	56	53	52	53	49	51	56	52	53	56	53	54	0.7	No
R1599	GF	E	293866.8	1247346.3	Residential	60	51	46	49	52	49	49	50	46	49	53	49	50	53	49	51	0.7	No
R1601	GF	S	293861.1	1246466.8	Residential	60	51	47	49	53	50	49	51	47	49	53	50	51	53	50	51	0.7	No
R1602	GF	E	293888.6	1247820.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.8	No
R1602	F 1	E	293888.6	1247820.6	Residential	60	48	43	46	49	46	46	47	43	46	50	46	47	50	46	48	0.9	No
R1602	F 2	E	293888.6	1247820.6	Residential	60	50	45	48	51	49	48	49	45	48	52	48	49	52	49	50	0.9	No
R1602	F 3	E	293888.6	1247820.6	Residential	60	52	47	50	53	50	50	51	46	49	54	50	51	54	51	52	0.9	No
R1603	GF	S	293862.6	1247631.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R1604	GF	E	293870.8	1247406.8	Residential	60	49	44	47	50	47	47	48	43	46	50	47	48	51	47	48	0.8	No
R1605	GF	S	293866.1	1247708.0	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	47	0.8	No
R1605	F 1	S	293866.1	1247708.0	Residential	60	51	46	49	52	49	49	50	45	48	52	48	50	53	49	50	0.7	No
R1607	GF	E	293876.6	1246252.9	Residential	60	54	49	52	55	52	52	53	49	52	56	52	53	56	52	53	0.8	No
R1609	GF	E	293878.8	1247452.0	Residential	60	49	44	47	50	47	47	48	44	47	51	47	48	51	47	49	0.8	No
R1611	GF	E	293887.1	1247522.7	Residential	60	50	45	48	52	49	48	50	45	48	52	48	49	52	49	50	0.7	No
R1611	F 1	E	293887.1	1247522.7	Residential	60	53	48	51	55	52	51	53	48	51	55	51	52	55	52	53	0.7	No
R1612	GF	E	293870.6	1246157.9	Residential	60	62	58	60	64	61	60	62	58	60	65	61	62	65	61	62	0.7	No
R1613	GF	E	293876.6	1247436.8	Residential	60	49	44	47	50	47	47	49	44	47	51	47	48	51	47	49	0.8	No
R1614	GF	E	293884.5	1247502.9	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.7	No
R1614	F 1	E	293884.5	1247502.9	Residential	60	54	49	52	55	52	52	53	48	51	55	52	53	56	52	53	0.7	No
R1615	GF	E	293888.9	1247534.6	Residential	60	50	45	48	52	49	48	49	45	47	52	48	49	52	49	50	0.7	No
R1616	GF	E	293881.5	1246216.6	Residential	60	63	59	61	65	62	61	63	59	61	65	62	63	65	62	63	0.6	No
R1621	GF	E	293874.9	1247421.9	Residential	60	49	44	47	51	48	47	49	44	47	51	47	48	51	48	49	0.8	No
R1621	F 1	E	293874.9	1247421.9	Residential	60	54	49	52	55	53	52	53	49	51	56	52	53	56	53	54	0.7	No
R1622	GF	E	293889.2	1247835.6	Residential	60	46	41	45	48	45	45	46	41	44	48	45	46	49	45	46	0.8	No
R1622	F 1	E	293889.2	1247835.6	Residential	60	48	43	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1622	F 2	E	293889.2	1247835.6	Residential	60	50	46	49	52	49	49	50	45	48	52	48	50	53	49	50	0.8	No
R1623	GF	SE	293876.8	1246183.8	Residential	60	63	59	61	65	62	61	63	59	61	65	62	62	65	62	62	0.6	No
R1624	GF	E	293874.5	1246203.5	Residential	60	62	58	60	64	61	60	62	58	60	64	61	61	64	61	61	0.5	No
R1625	GF	E	293878.3	1247486.0	Residential	60	49	44	47	51	48	47	49	44	47	51	47	49	51	48	49	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1626	GF	N	293872.5	1246423.7	Residential	60	55	51	53	57	54	53	54	51	52	57	54	54	57	54	54	0.2	No
R1627	GF	S	293869.1	1247195.9	Residential	60	51	46	49	52	50	49	50	46	48	53	50	50	53	50	50	0.4	No
R1627	F 1	S	293869.1	1247195.9	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.5	No
R1628	GF	E	293876.1	1246169.2	Residential	60	63	59	61	65	62	61	63	59	61	65	62	62	65	62	62	0.6	No
R1631	GF	E	293882.5	1246365.9	Residential	60	58	54	56	60	57	56	58	54	55	60	57	57	60	57	57	0.3	No
R1633	GF	N	293876.7	1246325.3	Residential	60	57	53	55	59	56	55	57	53	54	59	56	56	59	56	56	0.4	No
R1634	GF	E	293891.8	1247853.6	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R1634	F 1	E	293891.8	1247853.6	Residential	60	47	42	45	48	45	45	46	42	45	49	45	46	49	45	47	0.8	No
R1637	GF	E	293894.3	1247615.9	Residential	60	48	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1637	F 1	E	293894.3	1247615.9	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	52	0.7	No
R1637	F 2	E	293894.3	1247615.9	Residential	60	54	49	52	56	53	52	53	49	52	56	52	53	56	53	54	0.7	No
R1640	GF	E	293894.5	1247603.0	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1640	F 1	E	293894.5	1247603.0	Residential	60	53	48	51	54	51	51	52	47	50	54	50	52	55	51	52	0.7	No
R1640	F 2	E	293894.5	1247603.0	Residential	60	54	49	52	56	53	52	53	49	52	56	52	53	56	53	54	0.7	No
R1641	GF	E	293906.2	1246453.7	Educational institute	55	61	57	59	62	60	59	60	57	58	63	60	59	63	60	59	0.2	No
R1641	F 1	E	293906.2	1246453.7	Educational institute	55	63	58	61	64	61	61	62	58	60	65	61	62	65	61	62	0.5	No
R1642	GF	E	293883.1	1246232.3	Residential	60	63	58	61	64	62	61	63	58	60	65	62	62	65	62	62	0.6	No
R1643	GF	E	293885.2	1247568.2	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.9	No
R1644	GF	E	293887.1	1247552.1	Residential	60	50	45	48	51	48	48	49	45	47	51	48	49	52	48	49	0.8	No
R1646	GF	E	293892.5	1247867.5	Residential	60	45	40	44	47	44	44	45	40	43	47	43	45	48	44	45	0.9	No
R1647	GF	E	293889.5	1247199.4	Residential	60	52	47	50	53	51	50	51	47	49	54	50	51	54	51	51	0.5	No
R1647	F 1	E	293889.5	1247199.4	Residential	60	54	49	52	55	52	52	53	49	51	56	52	53	56	53	53	0.6	No
R1649	GF	S	293886.4	1246479.6	Educational institute	55	54	49	52	55	52	52	53	49	52	56	52	53	56	52	53	0.6	No
R1649	F 1	S	293886.4	1246479.6	Educational institute	55	58	54	57	60	57	57	58	54	56	60	57	58	60	57	58	0.5	No
R1649	F 2	S	293886.4	1246479.6	Educational institute	55	60	55	58	61	58	58	59	55	58	62	58	59	62	58	59	0.7	No
R1650	GF	S	293881.5	1247706.0	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1650	F 1	S	293881.5	1247706.0	Residential	60	52	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.7	No
R1652	GF	E	293890.4	1247585.4	Residential	60	48	43	46	50	47	47	48	43	46	50	46	48	50	47	48	0.8	No
R1652	F 1	E	293890.4	1247585.4	Residential	60	53	48	51	55	52	51	52	48	50	55	51	52	55	52	53	0.6	No
R1653	GF	E	293892.4	1246258.7	Residential	60	64	60	62	65	63	62	64	60	62	66	63	63	66	63	63	0.8	No
R1655	GF	E	293890.0	1246246.5	Residential	60	64	59	62	65	63	62	64	59	61	66	63	63	66	63	63	0.8	No
R1656	GF	E	293890.3	1246275.6	Residential	60	63	59	61	65	62	61	63	59	61	66	62	63	66	62	63	0.9	No
R1657	GF	NE	293888.9	1246421.0	Residential	60	58	54	56	60	57	56	57	54	55	60	57	56	60	57	56	0.2	No
R1662	GF	E	293894.7	1247635.4	Residential	60	48	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.9	No
R1662	F 1	E	293894.7	1247635.4	Residential	60	52	47	50	54	51	50	51	47	50	54	50	51	54	51	52	0.7	No
R1663	GF	N	293890.3	1246364.6	Residential	60	59	54	57	60	58	57	58	54	56	61	58	57	61	58	57	0.4	No
R1669	GF	E	293899.1	1247668.5	Residential	60	48	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1671	GF	E	293898.4	1246297.8	Residential	60	64	59	62	65	63	61	64	59	62	66	63	64	66	63	64	1.0	No
R1672	GF	E	293899.5	1246312.9	Residential	60	63	59	61	65	62	61	64	59	62	66	62	63	66	62	63	1.1	No
R1673	GF	E	293929.3	1246550.4	Educational institute	55	62	58	60	64	61	60	62	58	59	64	61	61	64	61	61	0.3	No
R1673	F 1	E	293929.3	1246550.4	Educational institute	55	63	58	61	64	62	61	62	58	60	65	62	62	65	62	62	0.5	No
R1675	GF	E	293897.6	1247650.8	Residential	60	49	44	47	50	47	47	48	43	46	51	47	48	51	47	49	0.9	No
R1679	GF	S	293896.4	1247231.2	Residential	60	51	46	49	52	50	49	51	46	49	53	50	50	53	50	51	0.9	No
R1681	GF	E	293902.5	1247255.1	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.9	No
R1682	GF	E	293902.6	1247274.6	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.8	No
R1682	F 1	E	293902.6	1247274.6	Residential	60	55	50	53	56	54	53	54	50	52	57	53	54	57	54	54	0.6	No
R1683	GF	S	293908.6	1246492.0	Educational institute	55	56	51	54	57	54	54	56	51	54	58	54	56	58	54	56	0.7	No
R1683	F 1	S	293908.6	1246492.0	Educational institute	55	62	57	60	63	60	60	61	57	59	64	60	61	64	60	61	0.6	No
R1685	GF	E	293909.1	1247290.1	Residential	60	50	45	48	51	49	48	50	45	48	52	48	49	52	49	50	0.8	No
R1685	F 1	E	293909.1	1247290.1	Residential	60	55	51	53	57	54	53	54	50	52	57	53	54	57	54	55	0.7	No
R1686	GF	E	293912.9	1246390.9	Residential	60	64	59	62	65	63	61	63	59	61	66	63	62	66	63	62	0.5	No
R1687	GF	E	293918.5	1247305.8	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	49	0.8	No
R1691	GF	E	293918.6	1247320.2	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	50	0.8	No
R1692	GF	E	293922.6	1247333.6	Residential	60	50	45	48	52	49	48	50	45	48	52	48	50	52	49	50	0.8	No
R1693	GF	E	293914.0	1246359.8	Residential	60	64	60	62	66	63	62	64	60	62	66	63	63	66	63	63	0.6	No
R1695	GF	E	293922.0	1247349.5	Residential	60	51	47	50	53	50	49	51	46	49	53	49	51	54	50	51	0.9	No
R1695	F 1	E	293922.0	1247349.5	Residential	60	56	52	55	58	55	55	56	51	54	58	55	55	59	55	56	0.6	No
R1698	GF	E	293914.9	1247364.1	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.9	No
R1698	F 1	E	293914.9	1247364.1	Residential	60	55	51	54	57	54	53	54	50	52	57	53	54	57	54	55	0.7	No
R1703	GF	E	293918.8	1247379.2	Residential	60	53	48	51	55	52	51	53	48	51	55	51	52	55	52	53	0.7	No
R1705	GF	E	293939.4	1246480.5	Educational institute	55	65	61	63	66	64	62	64	61	61	67	64	63	67	64	63	0.3	No
R1706	GF	E	293916.3	1247395.8	Residential	60	53	48	51	54	52	51	52	48	50	55	51	52	55	52	52	0.7	No
R1707	GF	E	293916.9	1246407.1	Residential	60	64	60	62	65	63	62	63	60	61	66	63	62	66	63	62	0.3	No
R1711	GF	E	293919.9	1247410.5	Residential	60	53	48	51	54	51	51	52	48	50	54	51	52	55	51	52	0.8	No
R1711	F 1	E	293919.9	1247410.5	Residential	60	56	52	55	58	55	55	56	51	54	58	54	55	58	55	56	0.5	No
R1712	GF	S	293918.6	1247151.9	Industrial	n/a	52	47	50	53	51	50	51	47	49	54	51	51	54	51	51	0.4	No
R1712	F 1	S	293918.6	1247151.9	Industrial	n/a	52	48	51	54	51	51	52	48	50	54	51	52	54	51	52	0.5	No
R1713	GF	E	293923.7	1247441.9	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	51	0.7	No
R1713	F 1	E	293923.7	1247441.9	Residential	60	56	51	54	57	54	54	55	50	53	57	54	54	58	54	55	0.6	No
R1714	GF	E	293924.2	1247427.4	Residential	60	52	47	50	53	50	50	51	47	49	54	50	51	54	50	52	0.7	No
R1714	F 1	E	293924.2	1247427.4	Residential	60	56	51	54	57	55	54	55	51	53	57	54	55	58	55	55	0.6	No
R1716	GF	S	293918.3	1247702.9	Residential	60	50	45	48	51	48	48	49	44	47	51	47	49	52	48	49	0.8	No
R1716	F 1	S	293918.3	1247702.9	Residential	60	52	47	50	54	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1717	GF	E	293923.8	1247456.5	Residential	60	50	45	48	52	49	48	50	45	48	52	48	50	52	49	50	0.8	No
R1717	F 1	E	293923.8	1247456.5	Residential	60	56	51	54	57	54	54	55	50	53	57	53	54	58	54	55	0.7	No
R1721	GF	E	293928.9	1247470.0	Residential	60	50	46	49	52	49	49	50	45	48	52	48	50	53	49	50	0.9	No
R1721	F 1	E	293928.9	1247470.0	Residential	60	55	51	53	57	54	53	54	50	52	57	53	54	57	54	55	0.7	No
R1724	GF	W	293914.7	1247743.8	Residential	60	41	36	39	42	39	39	40	35	38	43	39	40	43	39	41	0.9	No
R1724	F 1	W	293914.7	1247743.8	Residential	60	43	38	41	45	42	41	43	38	41	45	41	43	45	42	43	0.7	No
R1728	GF	W	293915.1	1247725.4	Residential	60	41	36	40	43	40	40	41	36	39	43	40	41	44	40	41	0.8	No
R1728	F 1	W	293915.1	1247725.4	Residential	60	44	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.7	No
R1729	GF	E	293927.6	1247488.3	Residential	60	52	47	50	53	51	50	51	47	49	54	50	51	54	51	52	0.7	No
R1732	GF	E	293939.6	1247503.4	Residential	60	53	48	51	54	51	51	52	47	50	54	51	52	55	51	52	0.6	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1733	GF	E	293948.8	1247758.6	Residential	60	42	38	41	44	41	41	42	37	40	44	40	42	45	41	42	0.9	No
R1733	F 1	E	293948.8	1247758.6	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	47	0.9	No
R1733	F 2	E	293948.8	1247758.6	Residential	60	52	47	50	53	51	50	51	47	50	54	50	51	54	51	52	1.0	No
R1734	GF	E	293948.7	1247794.0	Residential	60	45	40	43	46	43	43	44	39	42	46	42	44	47	43	45	1.0	No
R1734	F 1	E	293948.7	1247794.0	Residential	60	48	43	46	49	46	46	47	42	45	50	46	47	50	46	48	1.0	No
R1734	F 2	E	293948.7	1247794.0	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	51	0.9	No
R1734	F 3	E	293948.7	1247794.0	Residential	60	53	48	51	54	51	51	52	48	51	55	51	52	55	52	53	0.8	No
R1735	GF	S	293932.5	1247534.5	Residential	60	51	46	49	52	50	49	50	46	48	53	49	50	53	50	50	0.6	No
R1735	F 1	S	293932.5	1247534.5	Residential	60	54	49	52	55	52	52	53	49	51	55	52	53	56	52	53	0.7	No
R1736	GF	E	293966.5	1247810.1	Residential	60	48	43	46	49	46	46	47	43	45	49	46	47	50	46	47	0.7	No
R1736	F 1	E	293966.5	1247810.1	Residential	60	49	44	47	51	48	47	49	44	47	51	47	48	51	48	49	0.7	No
R1737	GF	E	293950.6	1247776.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	43	44	1.0	No
R1737	F 1	E	293950.6	1247776.3	Residential	60	48	43	46	49	46	46	48	43	46	50	46	47	50	46	48	1.1	No
R1737	F 2	E	293950.6	1247776.3	Residential	60	51	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.8	No
R1739	GF	E	293936.6	1246517.2	Educational institute	55	64	59	61	65	63	61	63	59	60	66	63	62	66	63	62	0.3	No
R1739	F 1	E	293936.6	1246517.2	Educational institute	55	64	60	62	66	63	62	64	60	61	66	63	63	66	63	63	0.6	No
R1740	GF	E	293933.0	1247560.5	Residential	60	49	45	48	51	48	47	49	44	47	51	47	49	52	48	49	0.9	No
R1742	GF	E	293963.9	1247832.2	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	45	0.9	No
R1742	F 1	E	293963.9	1247832.2	Residential	60	47	42	46	49	46	46	47	42	45	49	45	47	50	46	48	1.1	No
R1742	F 2	E	293963.9	1247832.2	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	51	1.0	No
R1742	F 3	E	293963.9	1247832.2	Residential	60	52	47	50	53	50	50	51	46	50	54	50	51	54	51	52	1.1	No
R1743	GF	E	293936.1	1247576.4	Residential	60	50	45	49	52	49	49	50	45	48	52	48	50	52	49	50	0.7	No
R1749	GF	W	293927.0	1245949.1	Residential	60	66	58	65	67	61	65	66	58	65	68	61	67	68	61	67	1.3	No
R1749	F 1	W	293927.0	1245949.1	Residential	60	66	59	65	67	63	65	66	59	65	68	63	67	68	63	67	1.2	No
R1750	GF	S	293934.8	1247700.0	Residential	60	50	45	48	51	48	48	49	44	47	51	48	49	52	48	50	0.9	No
R1750	F 1	S	293934.8	1247700.0	Residential	60	52	47	50	54	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1753	GF	E	293940.3	1247722.5	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	1.0	No
R1753	F 1	E	293940.3	1247722.5	Residential	60	45	40	43	46	43	43	44	39	42	47	43	44	47	43	45	1.0	No
R1755	GF	E	293942.8	1247610.3	Residential	60	48	43	46	49	46	46	47	42	45	49	45	47	50	46	48	1.0	No
R1756	GF	S	293934.3	1247452.5	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	51	0.8	No
R1757	GF	E	293960.2	1247852.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R1757	F 1	E	293960.2	1247852.3	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	47	1.1	No
R1757	F 2	E	293960.2	1247852.3	Residential	60	49	44	47	50	47	47	48	43	47	51	46	49	51	47	49	1.3	No
R1757	F 3	E	293960.2	1247852.3	Residential	60	51	46	50	53	50	50	51	46	49	53	49	51	54	50	52	1.4	No
R1758	GF	S	293937.6	1247585.2	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	48	50	0.8	No
R1758	F 1	S	293937.6	1247585.2	Residential	60	53	49	52	55	52	52	53	48	51	55	51	52	55	52	53	0.6	No
R1759	GF	E	293941.3	1247739.7	Residential	60	42	37	41	44	41	41	42	37	40	44	40	42	45	41	43	1.0	No
R1759	F 1	E	293941.3	1247739.7	Residential	60	47	42	45	48	45	45	46	41	45	49	45	46	49	45	47	1.0	No
R1760	GF	E	293940.2	1247627.1	Residential	60	48	43	46	50	47	46	47	43	46	50	46	48	50	47	48	1.0	No
R1762	GF	E	293956.9	1247255.7	Residential	60	54	49	52	55	52	52	53	49	51	55	52	53	56	52	53	0.8	No
R1763	GF	W	293930.3	1245974.4	Residential	60	66	58	65	67	62	65	66	58	65	68	62	67	68	62	67	1.3	No
R1764	GF	E	293955.8	1247231.0	Residential	60	54	50	52	56	53	52	54	50	52	57	53	54	57	54	54	0.8	No
R1764	F 1	E	293955.8	1247231.0	Residential	60	58	54	56	60	57	56	57	53	55	60	56	57	60	57	57	0.6	No
R1766	GF	E	293945.3	1247643.8	Residential	60	49	45	48	51	48	48	49	44	47	51	47	49	52	48	49	0.8	No
R1767	GF	W	293931.7	1246142.7	Industrial	n/a	71	64	70	72	67	70	71	64	70	73	67	72	73	67	72	1.2	No
R1767	F 1	W	293931.7	1246142.7	Industrial	n/a	71	64	70	72	67	70	71	64	70	73	67	72	73	67	72	1.2	No
R1768	GF	W	293931.7	1245986.8	Residential	60	66	58	65	67	61	65	66	58	65	68	61	67	68	61	67	1.3	No
R1768	F 1	W	293931.7	1245986.8	Residential	60	66	59	65	67	63	65	66	59	65	68	63	67	68	63	67	1.2	No
R1769	GF	S	293937.4	1247321.7	Residential	60	49	44	47	50	47	47	48	44	46	51	47	48	51	47	48	0.8	No
R1773	GF	NW	293933.5	1246012.6	Residential	60	66	58	65	67	62	65	66	58	65	68	62	67	68	62	67	1.2	No
R1774	GF	E	293945.7	1247662.5	Residential	60	50	45	48	52	49	49	50	45	48	52	48	49	53	49	50	0.9	No
R1776	GF	NW	293934.6	1245998.2	Residential	60	66	58	65	66	61	65	66	58	65	68	61	66	68	61	66	1.3	No
R1779	GF	W	293936.1	1246177.5	Industrial	n/a	72	65	71	73	68	71	72	65	71	74	68	73	74	68	73	1.3	No
R1779	F 1	W	293936.1	1246177.5	Industrial	n/a	72	65	71	73	68	71	72	65	71	74	68	72	74	68	72	1.1	No
R1784	GF	N	293945.0	1247902.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.2	No
R1784	F 1	N	293945.0	1247902.5	Residential	60	45	40	43	46	43	43	44	39	43	47	42	45	47	43	45	1.5	No
R1789	GF	E	294006.9	1247138.1	Commercial	n/a	60	56	58	62	60	58	60	56	58	63	60	60	63	60	60	0.9	No
R1789	F 1	E	294006.9	1247138.1	Commercial	n/a	61	57	59	63	60	59	61	57	58	63	60	60	64	60	61	0.6	No
R1789	F 2	E	294006.9	1247138.1	Commercial	n/a	61	57	59	63	60	60	61	57	58	63	60	60	64	60	61	0.5	No
R1790	GF	E	293961.8	1247288.0	Residential	60	53	48	51	54	51	51	52	48	50	54	51	52	55	51	52	0.8	No
R1790	F 1	E	293961.8	1247288.0	Residential	60	58	53	56	59	57	56	57	53	55	59	56	57	60	57	57	0.6	No
R1792	GF	S	293944.2	1245941.4	Residential	60	59	51	58	59	55	57	59	51	58	61	55	59	61	55	59	1.3	No
R1792	F 1	S	293944.2	1245941.4	Residential	60	59	53	58	60	56	58	59	53	58	62	56	60	62	56	60	1.1	No
R1794	GF	N	293953.9	1247494.5	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	51	0.8	No
R1795	GF	E	293959.3	1247270.7	Residential	60	53	48	51	54	52	51	52	48	50	55	51	52	55	52	53	0.8	No
R1795	F 1	E	293959.3	1247270.7	Residential	60	58	53	56	59	57	56	57	53	55	59	56	57	60	57	57	0.6	No
R1798	GF	S	293954.4	1247696.9	Residential	60	49	44	48	51	48	48	49	44	47	51	47	49	52	48	49	0.9	No
R1798	F 1	S	293954.4	1247696.9	Residential	60	52	47	50	53	51	50	51	47	49	54	50	51	54	51	52	0.9	No
R1801	GF	N	293956.3	1247486.0	Residential	60	50	45	48	51	48	48	49	45	47	52	48	49	52	49	49	0.8	No
R1803	GF	E	293962.7	1247307.9	Residential	60	52	48	51	54	51	51	52	47	50	54	51	52	55	51	52	0.8	No
R1808	GF	E	293968.2	1247340.0	Residential	60	54	49	52	55	52	52	53	48	51	55	52	53	56	52	53	0.7	No
R1808	F 1	E	293968.2	1247340.0	Residential	60	58	54	56	60	57	56	57	53	55	60	56	57	60	57	57	0.5	No
R1809	GF	S	293952.9	1247529.7	Residential	60	51	47	49	53	50	50	51	46	49	53	49	50	53	50	51	0.6	No
R1810	GF	E	293968.9	1247354.6	Residential	60	55	50	53	56	53	53	54	49	52	56	53	53	57	53	54	0.6	No
R1810	F 1	E	293968.9	1247354.6	Residential	60	59	54	57	60	57	57	58	53	55	60	57	57	61	57	58	0.5	No
R1813	GF	E	293965.3	1247322.9	Residential	60	53	48	51	54	51	51	52	48	50	54	51	52	55	51	52	0.8	No
R1814	GF	W	293950.8	1246208.0	Industrial	n/a	68	62	66	69	65	66	68	62	66	70	65	68	70	65	68	1.1	No
R1814	F 1	W	293950.8	1246208.0	Industrial	n/a	68	62	66	69	65	66	68	62	66	70	65	68	70	65	68	1.1	No
R1815	GF	E	293964.3	1247718.5	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	44	0.9	No
R1815	F 1	E	293964.3	1247718.5	Residential	60	49	44	47	50	47	47	48	43	46	50	46	48	51	47	49	1.1	No
R1816	GF	NW	293951.3	1246025.0	Residential	60	61	54	60	62	58	61	62	54	61	64	58	62	64	58	62	1.3	No
R1816	F 1	NW	293951.3	1246025.0	Residential	60	63	57	62	64	60	62	63	57	62	65	60	64	65	60	64	1.1	No
R1818	GF	E	293965.1	1247736.3	Residential	60	45	40	43	46	43	43	44	39	43	47	43	44	47	43	45	1.0	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1818	F 1	E	293965.1	1247736.3	Residential	60	49	44	47	50	47	47	48	43	47	51	47	48	51	47	49	1.0	No
R1819	GF	S	293957.9	1245943.0	Residential	60	56	50	55	57	53	55	56	50	55	59	53	57	59	53	57	1.2	No
R1819	F 1	S	293957.9	1245943.0	Residential	60	57	51	56	59	55	56	57	51	56	60	55	58	60	55	58	1.1	No
R1820	GF	S	293960.3	1247541.2	Residential	60	48	44	47	50	47	47	48	43	46	50	46	48	51	47	48	0.8	No
R1821	GF	E	293971.2	1247374.0	Residential	60	56	51	54	57	54	54	55	50	53	57	54	54	58	54	55	0.5	No
R1821	F 1	E	293971.2	1247374.0	Residential	60	59	54	57	60	57	57	58	53	55	60	57	57	61	57	58	0.5	No
R1824	GF	E	293973.4	1247393.7	Residential	60	56	51	54	57	54	54	55	51	53	57	54	54	58	54	55	0.5	No
R1825	GF	S	293962.1	1247584.4	Residential	60	50	45	48	51	49	48	49	45	47	52	48	49	52	49	50	0.8	No
R1828	GF	E	293975.9	1247407.9	Residential	60	55	51	53	57	54	53	55	50	53	57	53	54	57	54	55	0.6	No
R1830	GF	NW	293959.0	1246268.9	Industrial	n/a	68	62	67	69	65	67	69	62	68	71	65	69	71	65	69	1.6	No
R1830	F 1	NW	293959.0	1246268.9	Industrial	n/a	68	62	67	69	65	67	69	62	68	71	65	69	71	65	69	1.6	No
R1830	F 2	NW	293959.0	1246268.9	Industrial	n/a	68	62	67	69	65	67	69	62	67	71	65	69	71	65	69	1.6	No
R1830	F 3	NW	293959.0	1246268.9	Industrial	n/a	67	62	66	69	65	66	68	62	67	70	65	69	70	65	69	1.7	No
R1831	GF	N	293963.9	1247904.6	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R1831	F 1	N	293963.9	1247904.6	Residential	60	47	42	45	48	45	45	46	41	45	48	44	46	49	45	47	1.2	No
R1833	GF	W	293959.8	1245974.5	Residential	60	51	45	49	52	48	49	50	45	49	53	48	51	53	48	51	1.1	No
R1833	F 1	W	293959.8	1245974.5	Residential	60	58	52	57	59	55	57	58	52	57	60	55	58	60	55	58	1.1	No
R1834	GF	W	293960.2	1245996.0	Residential	60	52	46	50	53	49	50	52	46	50	54	49	52	54	49	52	1.1	No
R1834	F 1	W	293960.2	1245996.0	Residential	60	60	54	58	61	57	58	60	54	58	62	57	60	62	57	60	1.1	No
R1835	GF	NW	293960.9	1246028.1	Residential	60	58	51	57	59	55	57	58	51	57	60	55	59	60	55	59	1.2	No
R1835	F 1	NW	293960.9	1246028.1	Residential	60	59	53	58	60	56	58	59	53	58	61	56	60	61	56	60	1.1	No
R1836	GF	E	293979.8	1247441.8	Residential	60	56	51	54	57	54	54	55	50	53	57	54	54	58	54	55	0.7	No
R1839	GF	E	293978.0	1247426.9	Residential	60	55	51	53	57	54	53	55	50	53	57	53	54	57	54	55	0.7	No
R1840	GF	E	293980.0	1247457.4	Residential	60	56	51	54	57	54	54	55	50	53	57	54	54	58	54	55	0.6	No
R1840	F 1	E	293980.0	1247457.4	Residential	60	58	53	56	59	57	56	57	53	55	59	56	56	60	57	57	0.5	No
R1841	GF	E	293985.3	1247491.0	Residential	60	55	51	53	57	54	53	55	50	53	57	53	54	57	54	55	0.6	No
R1843	GF	E	293982.6	1247471.6	Residential	60	56	51	54	57	54	54	55	50	53	57	54	54	58	54	55	0.6	No
R1843	F 1	E	293982.6	1247471.6	Residential	60	58	53	56	59	57	56	57	53	55	59	56	57	60	57	57	0.6	No
R1845	GF	E	293989.3	1247527.8	Residential	60	54	50	52	56	53	52	53	49	51	56	52	53	56	53	53	0.6	No
R1845	F 1	E	293989.3	1247527.8	Residential	60	57	52	55	58	56	55	56	52	54	58	55	55	59	56	56	0.6	No
R1845	F 2	E	293989.3	1247527.8	Residential	60	58	53	56	60	57	56	57	53	55	59	56	57	60	57	57	0.5	No
R1846	GF	S	293973.3	1247693.1	Residential	60	49	44	47	50	47	47	48	43	46	51	47	48	51	47	49	0.9	No
R1846	F 1	S	293973.3	1247693.1	Residential	60	52	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.8	No
R1847	GF	E	293993.0	1247557.4	Residential	60	54	49	52	55	52	52	53	48	51	55	52	52	56	52	53	0.6	No
R1849	GF	E	294021.3	1247796.9	Residential	60	52	47	50	53	50	50	51	46	49	53	49	51	54	50	51	0.6	No
R1849	F 1	E	294021.3	1247796.9	Residential	60	54	49	52	55	52	52	53	48	51	55	51	52	56	52	53	0.8	No
R1850	GF	E	293996.0	1247883.6	Industrial	n/a	45	40	44	47	44	44	46	40	45	48	43	46	49	44	47	2.3	No
R1850	F 1	E	293996.0	1247883.6	Industrial	n/a	48	43	46	49	46	46	49	42	47	50	45	49	51	46	50	2.0	No
R1851	GF	S	293971.9	1245943.6	Residential	60	56	49	55	57	52	55	56	49	55	58	52	56	58	52	56	1.2	No
R1851	F 1	S	293971.9	1245943.6	Residential	60	57	50	55	58	54	55	57	50	55	59	54	57	59	54	57	1.1	No
R1852	GF	E	293990.2	1247543.2	Residential	60	53	48	51	54	51	51	52	47	50	54	50	52	55	51	52	0.8	No
R1854	GF	E	294014.9	1247772.7	Residential	60	50	45	49	52	49	48	50	45	48	52	48	50	52	49	50	0.9	No
R1854	F 1	E	294014.9	1247772.7	Residential	60	53	48	51	54	51	51	52	47	50	54	51	52	55	51	53	0.9	No
R1854	F 2	E	294014.9	1247772.7	Residential	60	55	50	53	56	53	53	54	49	52	56	53	54	57	53	55	0.9	No
R1854	F 3	E	294014.9	1247772.7	Residential	60	56	51	54	57	54	54	55	50	53	57	54	55	58	55	56	0.9	No
R1857	GF	E	293994.3	1247571.5	Residential	60	53	48	51	54	52	51	52	48	50	54	51	52	55	52	52	0.6	No
R1858	GF	E	294015.2	1247752.3	Residential	60	51	46	49	53	50	49	50	46	48	53	49	50	53	50	51	0.7	No
R1858	F 1	E	294015.2	1247752.3	Residential	60	54	49	52	55	52	52	53	48	51	55	51	53	56	52	54	0.8	No
R1861	GF	W	293975.3	1246404.6	Industrial	n/a	71	64	70	72	67	70	72	64	71	74	67	73	74	67	73	1.7	No
R1863	GF	E	294000.6	1247630.7	Residential	60	52	47	50	53	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1863	F 1	E	294000.6	1247630.7	Residential	60	55	50	53	56	53	53	54	50	52	56	53	54	57	53	54	0.7	No
R1863	F 2	E	294000.6	1247630.7	Residential	60	57	52	55	58	55	55	56	51	54	58	55	56	59	55	56	0.7	No
R1864	GF	E	294028.8	1247853.0	Residential	60	51	46	49	52	49	49	50	45	48	52	49	50	53	49	50	0.8	No
R1864	F 1	E	294028.8	1247853.0	Residential	60	52	47	50	54	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1864	F 2	E	294028.8	1247853.0	Residential	60	53	48	51	54	51	51	52	48	51	55	51	52	55	52	53	1.0	No
R1866	GF	E	293993.6	1247585.2	Residential	60	52	47	50	53	50	50	51	47	49	53	50	51	54	51	51	0.7	No
R1866	F 1	E	293993.6	1247585.2	Residential	60	55	51	53	57	54	53	54	50	52	57	53	54	57	54	55	0.7	No
R1874	GF	E	293998.8	1247612.9	Residential	60	51	46	49	53	50	49	50	46	49	53	49	50	53	50	51	0.8	No
R1874	F 1	E	293998.8	1247612.9	Residential	60	54	49	53	56	53	53	53	49	52	56	52	53	57	53	54	0.8	No
R1875	GF	E	294007.4	1247692.1	Residential	60	51	46	49	52	50	49	50	46	48	53	49	50	53	50	51	0.9	No
R1875	F 1	E	294007.4	1247692.1	Residential	60	54	49	52	55	52	52	53	48	51	55	52	53	56	52	54	0.8	No
R1875	F 2	E	294007.4	1247692.1	Residential	60	56	51	54	57	54	54	55	50	53	57	53	55	58	54	56	0.9	No
R1876	GF	E	293996.5	1247599.3	Residential	60	52	47	50	53	50	50	51	46	49	53	50	51	54	50	51	0.7	No
R1879	GF	E	294013.6	1247731.7	Residential	60	51	46	49	52	49	49	50	46	48	53	49	50	53	49	51	0.8	No
R1879	F 1	E	294013.6	1247731.7	Residential	60	54	49	52	55	52	52	53	48	51	55	51	53	56	52	54	0.9	No
R1879	F 2	E	294013.6	1247731.7	Residential	60	56	51	54	57	54	54	55	50	53	57	53	55	58	54	56	0.8	No
R1885	GF	E	294011.2	1247711.6	Residential	60	50	46	49	52	49	49	50	45	48	52	48	50	53	49	50	0.9	No
R1885	F 1	E	294011.2	1247711.6	Residential	60	54	49	52	55	52	52	53	48	51	55	51	53	56	52	53	1.0	No
R1889	GF	E	294001.3	1247650.4	Residential	60	52	48	51	54	51	51	52	47	50	54	51	52	55	51	52	0.8	No
R1889	F 1	E	294001.3	1247650.4	Residential	60	55	50	53	56	54	53	54	50	52	57	53	54	57	54	55	0.8	No
R1892	GF	NW	293996.4	1246472.7	Industrial	n/a	67	61	66	68	64	66	67	61	66	69	64	68	69	64	68	1.2	No
R1893	GF	E	294009.6	1247281.7	Residential	60	52	48	51	54	51	51	52	47	50	54	50	51	55	51	52	0.8	No
R1899	GF	E	294009.0	1247300.6	Residential	60	54	49	52	55	52	52	53	49	51	56	52	53	56	52	54	0.8	No
R1903	GF	E	294011.2	1247318.8	Residential	60	55	50	53	56	53	53	54	50	53	57	53	54	57	53	55	0.8	No
R1906	GF	E	294074.1	1247289.0	Industrial	n/a	64	60	61	66	64	62	63	60	60	66	63	61	66	64	62	0.2	No
R1907	GF	E	294011.5	1247335.3	Residential	60	56	51	54	57	54	54	55	50	53	57	54	55	58	54	55	0.8	No
R1910	GF	E	294024.6	1247895.5	Industrial	n/a	51	45	49	52	49	49	50	45	49	52	48	50	53	49	52	1.6	No
R1913	GF	E	294016.6	1247349.5	Residential	60	56	51	54	57	54	54	55	51	53	58	54	55	58	54	56	0.7	No
R1916	GF	E	294024.1	1247815.4	Residential	60	52	47	50	53	50	50	51	47	49	53	50	51	54	50	51	0.7	No
R1916	F 1	E	294024.1	1247815.4	Residential	60	53	48	52	55	52	51	53	48	51	55	51	52	56	52	53	0.9	No
R1918	GF	E	294017.3	1247387.5	Residential	60	57	52	55	58	56	55	56	52	54	58	55	56	59	55	56	0.7	No
R1920	GF	E	294022.3	1247364.1	Residential	60	56	51	54	57	54	54	55	51	53	58	54	55	58	54	56	0.7	No
R1923	GF	W	294007.8	1246548.4	Industrial	n/a	69	62	67	70	65	67	69	62	67	71	65	69	71	65	69	1.2	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R1924	GF	W	294007.9	1245975.1	Residential	60	49	43	47	50	46	47	49	43	47	51	46	49	51	46	49	1.0	No
R1924	F 1	W	294007.9	1245975.1	Residential	60	52	46	50	53	49	51	52	46	51	54	49	52	54	49	52	1.1	No
R1924	F 2	W	294007.9	1245975.1	Residential	60	56	51	55	57	54	55	56	51	55	58	54	56	58	54	56	1.0	No
R1926	GF	E	294023.5	1247404.2	Residential	60	59	55	57	61	58	57	58	54	56	61	57	58	61	58	58	0.5	No
R1928	GF	S	294017.8	1245940.3	Residential	60	52	46	51	53	49	51	52	46	51	54	49	53	54	49	53	1.2	No
R1929	GF	E	294023.1	1247421.4	Residential	60	59	54	57	60	58	57	58	54	56	60	57	57	61	58	58	0.5	No
R1934	GF	E	294021.9	1247458.8	Residential	60	57	52	55	58	56	55	56	52	54	58	55	55	59	56	56	0.5	No
R1937	GF	W	294014.6	1245934.9	Residential	60	53	46	52	54	50	52	53	46	52	55	50	54	55	50	54	1.2	No
R1942	GF	S	294024.6	1247519.2	Residential	60	56	51	54	57	55	54	55	51	52	57	54	54	58	55	55	0.5	No
R1945	GF	N	294028.4	1247306.4	Residential	60	52	47	50	53	51	50	51	47	49	54	50	51	54	51	52	0.8	No
R1947	GF	NW	294024.1	1246499.1	Industrial	n/a	62	57	61	64	60	61	62	57	61	65	60	62	65	60	62	0.9	No
R1951	GF	W	294045.5	1246373.0	Industrial	n/a	56	51	54	57	54	55	57	51	55	59	54	57	59	54	57	1.3	No
R1953	GF	E	294038.4	1247542.7	Residential	60	56	51	54	57	55	54	55	51	52	57	54	54	58	55	55	0.4	No
R1953	F 1	E	294038.4	1247542.7	Residential	60	59	54	57	60	58	57	58	54	56	60	57	58	61	58	58	0.6	No
R1959	GF	N	294037.6	1247616.1	Residential	60	49	45	47	51	48	47	48	44	46	51	47	48	51	48	48	0.7	No
R1959	F 1	N	294037.6	1247616.1	Residential	60	53	49	51	55	52	51	52	48	50	55	51	52	55	52	53	0.7	No
R1960	GF	E	294039.6	1247563.4	Residential	60	56	52	54	57	55	54	55	51	52	57	54	54	58	55	55	0.5	No
R1963	GF	S	294041.7	1247516.5	Residential	60	56	52	54	57	55	54	55	51	53	57	54	54	58	55	55	0.5	No
R1967	GF	E	294053.1	1247576.3	Residential	60	57	53	55	59	56	55	56	52	54	58	55	55	59	56	56	0.4	No
R1967	F 1	E	294053.1	1247576.3	Residential	60	59	54	57	60	58	57	58	54	56	60	57	58	61	58	58	0.5	No
R1967	F 2	E	294053.1	1247576.3	Residential	60	60	55	58	62	59	58	59	55	57	61	58	59	62	59	59	0.6	No
R1974	GF	E	294050.2	1247620.6	Residential	60	53	48	51	54	52	51	52	48	50	54	51	52	55	52	52	0.6	No
R1980	GF	E	294052.0	1247644.5	Residential	60	54	49	52	55	52	52	53	49	51	55	52	52	56	52	53	0.6	No
R1980	F 1	E	294052.0	1247644.5	Residential	60	57	52	55	58	55	55	56	52	54	58	55	56	59	55	56	0.6	No
R1981	GF	N	294047.1	1245988.7	Residential	60	48	43	47	49	46	47	48	43	47	50	46	49	50	46	49	1.1	No
R1982	GF	E	294059.4	1247662.5	Residential	60	54	49	52	55	52	52	53	49	51	55	52	53	56	52	53	0.8	No
R1983	GF	E	294055.5	1247682.6	Residential	60	52	47	50	54	51	51	52	47	50	54	50	51	54	51	52	0.8	No
R1983	F 1	E	294055.5	1247682.6	Residential	60	56	51	54	57	54	54	55	50	53	57	54	55	58	54	56	0.8	No
R1986	GF	N	294047.4	1245947.7	Residential	60	47	41	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R1987	GF	N	294053.5	1247491.1	Industrial	n/a	56	52	54	58	56	54	55	51	52	58	55	54	58	55	55	0.3	No
R1987	F 1	N	294053.5	1247491.1	Industrial	n/a	58	54	56	60	57	56	57	53	55	60	56	57	60	57	57	0.5	No
R1995	GF	E	294060.6	1247704.4	Residential	60	53	48	51	54	51	51	52	47	50	54	51	52	55	51	52	0.9	No
R1995	F 1	E	294060.6	1247704.4	Residential	60	55	50	53	57	53	53	54	50	53	57	53	54	57	54	55	0.9	No
R1996	GF	S	294055.2	1247596.3	Residential	60	55	50	53	56	54	53	54	50	51	56	53	53	57	54	54	0.5	No
R2003	GF	E	294062.8	1247719.2	Residential	60	53	49	52	55	52	52	53	48	51	55	51	52	55	52	53	0.8	No
R2003	F 1	E	294062.8	1247719.2	Residential	60	56	51	54	57	54	54	55	50	53	57	53	55	58	54	56	1.0	No
R2006	GF	E	294064.1	1247740.0	Residential	60	53	49	52	55	52	52	53	48	51	55	51	52	56	52	53	0.8	No
R2009	GF	E	294064.5	1247754.1	Residential	60	54	49	52	55	52	52	53	48	51	55	52	53	56	52	53	0.8	No
R2012	GF	N	294057.5	1245951.5	Residential	60	48	42	46	49	46	46	48	42	46	50	46	48	50	46	48	1.0	No
R2014	GF	E	294065.1	1247767.9	Residential	60	53	48	51	54	51	51	52	47	50	54	51	52	55	51	52	0.8	No
R2015	GF	E	294083.7	1247780.3	Residential	60	55	50	53	56	53	53	54	49	52	56	53	54	57	53	55	0.9	No
R2015	F 1	E	294083.7	1247780.3	Residential	60	58	53	56	59	56	56	57	53	55	59	56	57	60	56	58	0.9	No
R2016	GF	E	294067.9	1247525.9	Residential	60	59	55	57	61	58	57	58	54	55	61	58	57	61	58	58	0.3	No
R2024	GF	E	294095.0	1247815.6	Residential	60	57	52	56	59	56	56	56	52	54	59	55	56	59	56	57	0.5	No
R2024	F 1	E	294095.0	1247815.6	Residential	60	58	53	56	60	57	56	57	53	55	60	56	57	60	57	58	0.8	No
R2024	F 2	E	294095.0	1247815.6	Residential	60	59	54	57	61	58	57	58	54	57	61	57	58	61	58	59	0.9	No
R2024	F 3	E	294095.0	1247815.6	Residential	60	60	55	58	61	58	58	59	54	57	61	58	59	62	58	60	1.0	No
R2026	GF	E	294113.9	1247843.5	Residential	60	58	53	56	59	56	56	57	52	56	59	55	57	60	56	58	1.4	No
R2026	F 1	E	294113.9	1247843.5	Residential	60	58	54	56	60	57	57	58	53	57	60	56	58	61	57	59	1.3	No
R2026	F 2	E	294113.9	1247843.5	Residential	60	60	55	58	61	58	58	59	54	58	61	57	59	62	58	60	1.3	No
R2028	GF	E	294095.2	1247456.0	Industrial	n/a	64	60	61	65	63	61	62	59	59	65	63	61	66	63	62	0.2	No
R2029	GF	S	294070.4	1245938.5	Residential	60	48	43	47	50	46	47	48	43	47	51	46	49	51	46	49	1.0	No
R2031	GF	E	294096.4	1247865.4	Residential	60	55	50	53	56	53	53	54	49	53	56	52	55	58	53	56	1.7	No
R2031	F 1	E	294096.4	1247865.4	Residential	60	56	51	54	57	54	54	56	50	54	58	53	56	59	54	57	1.7	No
R2031	F 2	E	294096.4	1247865.4	Residential	60	57	52	55	58	55	55	57	51	56	59	55	57	60	55	58	1.6	No
R2034	GF	S	294072.9	1247590.1	Residential	60	56	52	54	58	55	54	55	51	53	58	55	55	58	55	55	0.5	No
R2034	F 1	S	294072.9	1247590.1	Residential	60	58	54	57	60	57	56	57	53	55	60	56	57	60	57	58	0.6	No
R2038	GF	NW	294072.5	1246401.1	Industrial	n/a	54	49	52	55	52	52	54	49	52	56	52	54	56	52	54	0.8	No
R2040	GF	E	294084.4	1247634.5	Residential	60	55	51	53	57	54	53	55	51	53	57	54	54	57	54	55	0.6	No
R2050	GF	E	294103.9	1247920.5	Commercial	n/a	52	47	50	53	50	50	51	46	50	54	49	51	54	50	52	1.1	No
R2051	GF	E	294092.7	1247582.0	Residential	60	57	52	54	58	56	55	56	52	53	58	56	55	59	56	55	0.3	No
R2055	GF	E	294134.1	1247670.6	Residential	60	64	60	62	66	64	62	63	60	60	66	63	62	66	64	63	0.3	No
R2055	F 1	E	294134.1	1247670.6	Residential	60	65	60	63	66	64	63	64	60	62	66	63	63	67	64	64	0.6	No
R2055	F 2	E	294134.1	1247670.6	Residential	60	65	60	63	66	64	63	64	60	62	66	63	64	67	64	64	0.7	No
R2061	GF	E	294105.1	1247517.5	Residential	60	64	60	61	65	63	61	62	59	60	65	63	61	66	63	62	0.2	No
R2062	GF	W	294088.9	1245977.2	Residential	60	50	44	48	51	47	48	50	44	48	52	47	50	52	47	50	1.0	No
R2062	F 1	W	294088.9	1245977.2	Residential	60	52	46	50	53	49	50	52	46	50	54	49	52	54	49	52	1.0	No
R2064	GF	E	294104.3	1247762.9	Residential	60	56	51	54	57	55	54	56	51	54	58	54	56	58	55	56	1.0	No
R2070	GF	E	294113.8	1247571.4	Residential	60	64	60	61	65	63	62	62	59	60	65	63	61	66	63	62	0.1	No
R2070	F 1	E	294113.8	1247571.4	Residential	60	64	60	62	66	63	63	63	59	61	66	63	63	67	63	64	0.5	No
R2071	GF	W	294095.5	1245944.1	Residential	60	47	42	46	49	45	46	47	42	46	50	45	48	50	45	48	1.0	No
R2072	GF	S	294099.8	1247646.4	Residential	60	56	52	54	57	55	54	55	51	53	57	54	54	58	55	55	0.4	No
R2073	GF	E	294105.3	1247776.7	Residential	60	57	53	56	59	56	56	57	52	55	59	55	57	60	56	57	0.8	No
R2075	GF	NW	294106.1	1246406.5	Industrial	n/a	53	48	51	54	51	51	53	48	51	55	51	53	55	51	53	0.8	No
R2081	GF	E	294126.3	1247628.9	Residential	60	64	60	62	66	63	62	63	59	60	65	63	61	66	63	62	0.2	No
R2081	F 1	E	294126.3	1247628.9	Residential	60	65	60	63	66	64	63	64	60	61	66	63	63	67	63	64	0.5	No
R2083	GF	E	294119.1	1247588.8	Residential	60	64	60	62	66	64	62	63	60	60	65	63	62	66	63	62	0.1	No
R2085	GF	NW	294105.1	1246549.6	Industrial	n/a	57	52	55	58	55	55	57	52	55	59	55	57	59	55	57	0.9	No
R2087	GF	E	294136.7	1247711.7	Residential	60	64	60	62	66	63	62	63	59	60	65	63	62	66	63	63	0.3	No
R2087	F 1	E	294136.7	1247711.7	Residential	60	64	60	62	66	63	62	63	59	61	66	63	63	66	63	64	0.6	No
R2087	F 2	E	294136.7	1247711.7	Residential	60	64	60	62	66	63	62	63	59	61	66	63	63	67	63	64	0.8	No
R2087	F 3	E	294136.7	1247711.7	Residential	60	64	60	62	66	63	62	63	59	62	66	62	63	67	63	64	0.7	No
R2088	GF	E	294133.8	1247691.1	Residential	60	64	60	62	66	63	62	63	59	60	65	62	62	66	63	63	0.3	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2088	F 1	E	294133.8	1247691.1	Residential	60	64	60	62	66	63	62	63	59	61	66	62	63	66	63	64	0.6	No
R2088	F 2	E	294133.8	1247691.1	Residential	60	64	60	62	66	63	62	63	59	61	66	63	63	67	63	64	0.7	No
R2088	F 3	E	294133.8	1247691.1	Residential	60	64	60	62	66	63	62	63	59	61	66	62	63	67	63	64	0.7	No
R2090	GF	W	294107.4	1246371.8	Industrial	n/a	51	45	49	52	48	49	51	45	49	53	48	51	53	48	51	1.0	No
R2092	GF	E	294127.7	1247607.7	Residential	60	65	61	62	66	64	62	63	60	60	66	63	62	66	64	63	0.2	No
R2093	GF	E	294131.3	1247652.3	Residential	60	64	60	62	66	64	62	63	60	60	66	63	62	66	63	63	0.2	No
R2102	GF	N	294130.0	1246399.3	Industrial	n/a	49	44	48	51	47	48	49	44	47	51	47	49	51	47	49	0.8	No
R2103	GF	S	294141.8	1247920.2	Commercial	n/a	51	46	49	52	49	49	51	45	49	53	49	51	54	50	52	1.9	No
R2103	F 1	S	294141.8	1247920.2	Commercial	n/a	56	51	55	58	54	55	56	51	54	58	54	56	59	55	57	1.5	No
R2106	GF	NW	294119.7	1246602.0	Industrial	n/a	58	52	56	59	56	56	58	53	56	60	56	58	60	56	58	1.0	No
R2106	F 1	NW	294119.7	1246602.0	Industrial	n/a	58	53	56	59	56	56	58	53	56	60	56	58	60	56	58	0.9	No
R2106	F 2	NW	294119.7	1246602.0	Industrial	n/a	58	53	56	59	56	56	58	53	56	60	56	58	60	56	58	1.0	No
R2109	GF	W	294122.1	1247156.6	Residential	60	64	58	63	65	61	63	66	60	64	68	63	66	67	62	65	1.2	No
R2109	F 1	W	294122.1	1247156.6	Residential	60	65	59	64	66	62	64	66	60	65	68	63	66	67	62	65	1.0	No
R2110	GF	E	294143.0	1247749.5	Residential	60	64	60	62	66	63	62	63	59	60	65	62	62	66	63	63	0.4	No
R2112	GF	E	294144.5	1247777.5	Residential	60	63	58	61	64	62	61	62	57	60	64	61	61	65	62	62	0.6	No
R2113	GF	W	294133.6	1245948.5	Residential	60	48	42	46	49	45	46	47	42	46	50	45	48	50	45	48	0.9	No
R2114	GF	E	294140.0	1247732.3	Residential	60	64	60	62	66	63	62	63	59	60	65	62	62	66	63	63	0.4	No
R2118	GF	E	294147.2	1247767.9	Residential	60	64	60	62	66	63	62	63	59	61	66	63	62	66	63	63	0.4	No
R2118	F 1	E	294147.2	1247767.9	Residential	60	64	60	62	66	63	62	63	59	61	66	63	63	67	63	64	0.6	No
R2120	GF	W	294135.7	1245979.6	Residential	60	49	43	48	50	46	47	49	43	47	51	46	49	51	46	49	1.0	No
R2121	GF	NW	294136.2	1246416.9	Industrial	n/a	52	47	50	53	50	50	52	47	50	54	50	52	54	50	52	0.8	No
R2122	GF	W	294136.5	1247205.4	Residential	60	60	53	59	61	56	59	65	59	64	67	62	65	60	55	59	-0.4	No
R2122	F 1	W	294136.5	1247205.4	Residential	60	61	54	60	62	57	60	65	59	64	67	63	65	62	56	61	0.3	No
R2125	GF	E	294159.5	1247833.9	Commercial	n/a	64	60	62	66	63	62	63	59	61	66	62	63	66	63	64	0.8	No
R2125	F 1	E	294159.5	1247833.9	Commercial	n/a	64	60	62	66	63	62	64	59	62	66	63	63	67	63	64	1.1	No
R2128	GF	W	294139.7	1247218.9	Residential	60	60	52	59	60	55	59	65	59	64	67	62	65	60	54	59	-0.4	No
R2128	F 1	W	294139.7	1247218.9	Residential	60	61	54	60	62	57	60	65	60	64	67	63	66	62	56	61	0.4	No
R2134	GF	SW	294143.1	1246481.4	Industrial	n/a	53	48	51	54	51	51	53	48	51	55	51	53	55	51	53	0.7	No
R2135	GF	W	294143.3	1247237.6	Residential	60	59	52	58	60	55	59	65	59	64	67	63	65	60	53	58	-0.5	No
R2137	GF	SW	294146.1	1246336.2	Industrial	n/a	48	43	47	49	46	47	48	43	46	50	46	48	50	46	48	0.9	No
R2137	F 1	SW	294146.1	1246336.2	Industrial	n/a	51	46	50	53	49	50	51	46	49	53	49	51	53	49	51	0.7	No
R2138	GF	W	294147.0	1247264.6	Residential	60	59	51	58	59	54	58	65	59	64	67	63	65	59	53	58	-0.2	No
R2140	GF	W	294150.4	1247281.4	Residential	60	59	52	59	60	55	59	65	60	64	67	63	66	60	53	59	-0.2	No
R2140	F 1	W	294150.4	1247281.4	Residential	60	60	54	59	61	56	59	65	59	64	67	63	65	62	57	61	1.1	No
R2142	GF	W	294151.5	1247153.2	Residential	60	59	53	58	60	57	58	61	55	59	63	59	61	61	57	59	0.9	No
R2142	F 1	W	294151.5	1247153.2	Residential	60	60	54	58	61	57	58	61	56	60	64	59	62	62	57	60	1.0	No
R2146	GF	W	294153.2	1247295.8	Residential	60	60	52	59	60	55	59	65	59	64	67	63	65	60	53	59	-0.5	No
R2146	F 1	W	294153.2	1247295.8	Residential	60	61	54	59	61	56	59	65	59	64	67	63	65	62	56	61	0.8	No
R2149	GF	W	294154.6	1247310.7	Residential	60	60	53	59	61	56	59	65	60	64	68	63	66	60	54	59	-0.5	No
R2149	F 1	W	294154.6	1247310.7	Residential	60	61	54	60	62	57	60	65	59	64	67	63	66	62	57	61	0.9	No
R2152	GF	W	294156.5	1247321.8	Residential	60	60	52	59	60	55	59	65	59	64	67	63	66	59	53	58	-1.0	No
R2152	F 1	W	294156.5	1247321.8	Residential	60	61	54	59	61	57	59	65	59	64	67	63	65	62	56	61	0.7	No
R2156	GF	W	294157.5	1245979.0	Residential	60	46	41	45	48	44	45	46	41	44	48	44	46	48	44	46	0.8	No
R2157	GF	SW	294158.5	1246316.2	Industrial	n/a	48	43	47	50	46	47	48	43	46	50	46	48	50	46	48	0.8	No
R2157	F 1	SW	294158.5	1246316.2	Industrial	n/a	49	44	48	51	47	48	49	44	47	51	47	49	51	47	49	0.8	No
R2158	GF	W	294158.7	1247364.9	Residential	60	61	54	60	62	57	60	66	60	65	68	63	66	59	52	58	-2.9	No
R2159	GF	W	294159.1	1247335.0	Residential	60	60	53	59	61	56	59	65	59	64	67	63	65	59	53	58	-1.4	No
R2161	GF	W	294161.4	1247347.6	Residential	60	60	53	59	61	56	59	65	59	63	67	62	65	59	53	58	-1.9	No
R2165	GF	E	294184.1	1247938.4	Commercial	n/a	62	57	60	63	60	60	62	57	60	64	60	62	65	61	63	1.6	No
R2165	F 1	E	294184.1	1247938.4	Commercial	n/a	63	59	61	64	62	61	63	58	61	65	61	63	66	62	63	1.4	No
R2165	F 2	E	294184.1	1247938.4	Commercial	n/a	63	59	61	65	62	61	63	58	61	65	62	63	66	62	63	1.3	No
R2166	GF	W	294165.9	1247379.5	Residential	60	59	52	58	60	55	58	65	59	63	67	63	65	58	51	57	-1.6	No
R2171	GF	N	294177.8	1245958.4	Residential	60	45	39	43	46	42	43	44	39	43	47	42	44	47	42	44	0.9	No
R2172	GF	S	294174.8	1247142.9	Residential	60	58	53	57	60	57	57	58	53	57	61	56	58	61	56	58	0.8	No
R2175	GF	S	294178.1	1247226.9	Residential	60	55	49	54	56	52	54	57	52	55	59	55	57	57	52	55	0.8	No
R2176	GF	W	294170.3	1247393.2	Residential	60	59	51	58	59	54	58	65	59	63	67	63	65	59	52	58	-0.6	No
R2178	GF	W	294171.4	1247407.7	Residential	60	59	51	58	59	53	58	65	59	64	67	63	66	59	52	58	-0.2	No
R2181	GF	W	294173.8	1247421.0	Residential	60	59	51	58	59	53	58	65	59	64	67	63	66	59	52	58	0.0	No
R2181	F 1	W	294173.8	1247421.0	Residential	60	60	53	59	61	56	59	65	59	64	67	63	65	62	57	60	1.3	No
R2183	GF	W	294175.9	1246308.9	Industrial	n/a	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.8	No
R2184	GF	W	294176.0	1247434.9	Residential	60	58	51	58	59	53	58	65	59	64	67	63	65	59	52	58	0.1	No
R2184	F 1	W	294176.0	1247434.9	Residential	60	60	53	59	60	55	59	65	59	64	67	63	65	62	56	60	1.5	No
R2185	GF	W	294176.5	1247091.2	Residential	60	60	54	58	61	58	58	60	55	58	62	58	60	62	58	60	0.9	No
R2187	GF	W	294178.9	1245982.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2187	F 1	W	294178.9	1245982.4	Residential	60	49	44	48	50	47	48	49	44	48	52	47	50	52	47	50	1.1	No
R2189	GF	NW	294184.6	1246371.8	Industrial	n/a	49	43	47	50	46	47	49	43	47	51	46	49	51	46	49	1.0	No
R2192	GF	W	294180.5	1247446.5	Residential	60	58	50	57	58	52	57	65	59	63	67	62	65	58	51	57	0.3	No
R2193	GF	N	294188.2	1245952.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R2194	GF	W	294183.2	1247458.1	Residential	60	58	49	57	58	51	57	64	59	63	67	62	65	58	51	57	0.2	No
R2194	F 1	W	294183.2	1247458.1	Residential	60	59	52	58	60	54	58	65	59	63	67	62	65	61	55	60	1.5	No
R2195	GF	NW	294195.1	1246627.0	Industrial	n/a	55	50	54	57	54	54	55	50	54	58	54	56	58	54	55	1.0	No
R2196	GF	W	294183.9	1247365.0	Residential	60	53	47	52	54	50	52	54	49	53	57	52	55	54	50	53	0.3	No
R2198	GF	W	294186.7	1247354.3	Residential	60	54	48	52	55	51	53	55	50	53	57	53	55	55	50	53	-0.4	No
R2200	GF	W	294187.7	1247331.7	Residential	60	53	47	52	54	50	52	55	50	53	57	53	55	55	50	53	0.9	No
R2201	GF	W	294188.0	1247497.7	Residential	60	58	50	57	58	52	57	65	59	64	67	63	65	59	52	58	0.2	No
R2201	F 1	W	294188.0	1247497.7	Residential	60	59	52	58	60	55	59	65	59	64	67	63	65	61	56	60	1.4	No
R2203	GF	S	294194.8	1247142.4	Residential	60	58	53	56	59	56	56	58	53	56	60	56	58	60	56	58	0.9	No
R2205	GF	S	294192.8	1247222.8	Residential	60	56	50	55	57	53	55	57	52	55	59	55	57	58	53	56	0.8	No
R2206	GF	N	294195.3	1245949.7	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R2208	GF	W	294191.9	1247518.7	Residential	60	58	50	57	59	52	57	65	59	64	67	63	65	59	52	58	0.3	No
R2208	F 1	W	294191.9	1247518.7	Residential	60	60	53	58	60	55	59	65	59	64	67	63	65	62	56	60	1.5	No
R2209	GF	W	294192.9	1245964.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2212	GF	W	294193.7	1247537.5	Residential	60	58	50	57	59	52	58	65	60	64	67	63	66	59	52	58	0.1	No
R2216	GF	NW	294201.9	1246370.7	Industrial	n/a	47	42	46	49	45	46	47	42	46	49	45	47	49	45	47	0.9	No
R2216	F 1	NW	294201.9	1246370.7	Industrial	n/a	51	46	50	53	50	50	52	47	50	54	50	51	54	50	51	1.0	No
R2218	GF	W	294196.9	1247216.5	Residential	60	57	51	55	58	54	55	58	53	56	60	56	58	59	54	57	0.7	No
R2219	GF	W	294205.2	1245987.4	Residential	60	46	40	45	47	43	45	46	40	44	48	43	46	48	43	46	1.0	No
R2219	F 1	W	294205.2	1245987.4	Residential	60	48	42	46	49	45	46	48	42	46	50	45	48	50	45	48	0.9	No
R2220	GF	W	294197.3	1247577.7	Residential	60	58	49	57	59	52	57	66	60	64	68	63	66	58	51	57	-0.1	No
R2220	F 1	W	294197.3	1247577.7	Residential	60	60	53	59	60	55	59	66	60	64	68	63	66	62	56	61	1.5	No
R2222	GF	W	294198.1	1247370.4	Residential	60	53	47	52	54	50	52	55	49	53	57	53	55	55	50	53	1.0	No
R2223	GF	W	294198.1	1247124.6	Residential	60	58	53	57	60	57	57	58	53	57	61	57	58	61	57	58	0.9	No
R2225	GF	S	294204.9	1247393.1	Residential	60	53	47	51	54	49	51	54	49	53	57	52	54	55	50	53	1.0	No
R2226	GF	W	294200.7	1247414.9	Residential	60	53	47	52	54	50	52	54	49	53	56	52	54	55	50	53	1.0	No
R2228	GF	S	294207.2	1245947.5	Residential	60	43	38	42	45	41	42	43	38	42	45	41	43	46	41	43	1.0	No
R2229	GF	W	294203.5	1247595.9	Residential	60	58	49	57	58	51	57	65	59	64	67	63	65	58	51	57	-0.1	No
R2229	F 1	W	294203.5	1247595.9	Residential	60	59	52	58	60	54	58	65	59	64	67	63	65	61	55	60	1.4	No
R2231	GF	W	294204.2	1247140.8	Residential	60	57	52	56	58	55	55	57	52	55	59	55	57	59	55	57	0.9	No
R2231	F 1	W	294204.2	1247140.8	Residential	60	58	53	57	59	56	57	59	54	57	61	57	59	60	56	58	0.9	No
R2231	F 2	W	294204.2	1247140.8	Residential	60	58	53	57	59	56	57	59	54	58	62	58	59	60	56	58	0.9	No
R2235	GF	SW	294206.5	1246302.8	Industrial	n/a	47	41	45	48	44	45	47	41	45	49	44	47	49	44	47	0.8	No
R2235	F 1	SW	294206.5	1246302.8	Industrial	n/a	50	44	48	51	47	48	49	44	48	52	47	49	52	47	49	0.7	No
R2236	GF	S	294216.4	1247487.8	Residential	60	52	45	51	52	48	51	56	51	55	59	55	57	53	48	52	0.9	No
R2236	F 1	S	294216.4	1247487.8	Residential	60	53	47	52	54	50	52	57	52	56	60	56	58	56	51	54	1.4	No
R2237	GF	W	294207.7	1247616.1	Residential	60	58	49	57	58	52	57	65	59	64	67	63	65	58	51	57	-0.1	No
R2237	F 1	W	294207.7	1247616.1	Residential	60	59	52	58	60	55	58	65	59	64	67	63	65	61	56	60	1.5	No
R2238	GF	W	294208.6	1247299.5	Residential	60	54	48	53	55	51	53	56	51	54	58	54	56	56	51	54	0.7	No
R2239	GF	W	294208.9	1247634.8	Residential	60	59	50	58	59	53	58	65	60	64	68	63	66	59	52	58	0.0	No
R2241	GF	W	294209.0	1247205.4	Residential	60	56	50	55	57	54	55	57	52	56	60	56	57	58	53	56	0.5	No
R2243	GF	W	294210.1	1247191.0	Residential	60	56	50	55	57	53	55	57	52	56	60	56	58	58	53	56	0.6	No
R2243	F 1	W	294210.1	1247191.0	Residential	60	57	52	56	58	55	56	59	54	57	61	57	59	59	55	57	0.9	No
R2246	GF	W	294212.2	1247456.5	Residential	60	53	47	52	54	49	52	57	51	55	59	55	57	55	49	53	1.0	No
R2247	GF	W	294212.8	1247654.4	Residential	60	59	51	58	59	53	58	65	60	64	68	63	66	59	53	58	0.1	No
R2247	F 1	W	294212.8	1247654.4	Residential	60	60	53	59	61	56	59	65	60	64	67	63	66	62	57	61	1.6	No
R2249	GF	W	294213.7	1247251.0	Residential	60	55	49	54	56	52	54	57	52	55	59	55	57	57	52	55	0.8	No
R2249	F 1	W	294213.7	1247251.0	Residential	60	56	51	55	57	54	55	58	54	57	61	57	58	58	54	56	0.9	No
R2253	GF	W	294216.3	1247393.6	Residential	60	53	47	52	54	50	52	54	48	52	56	52	54	55	51	53	1.1	No
R2254	GF	W	294216.5	1247694.1	Residential	60	59	51	58	59	53	58	66	60	64	68	63	66	59	52	58	-0.4	No
R2255	GF	W	294217.5	1247671.1	Residential	60	58	51	58	59	53	58	65	59	63	67	63	65	59	53	58	-0.1	No
R2256	GF	W	294217.6	1247224.2	Residential	60	54	48	53	55	51	53	55	50	54	58	54	55	56	51	54	0.9	No
R2256	F 1	W	294217.6	1247224.2	Residential	60	57	51	55	58	54	55	58	54	57	61	57	59	59	54	57	0.9	No
R2258	GF	W	294218.7	1247432.2	Residential	60	53	47	52	54	50	52	55	50	53	57	53	55	55	51	53	1.1	No
R2261	GF	W	294221.1	1247267.5	Residential	60	54	48	53	55	51	53	56	51	54	58	54	56	56	51	54	0.8	No
R2262	GF	W	294221.9	1247720.3	Residential	60	59	51	58	60	53	58	66	60	64	68	63	66	60	53	59	0.2	No
R2263	GF	NW	294222.3	1246325.2	Industrial	n/a	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.7	No
R2263	F 1	NW	294222.3	1246325.2	Industrial	n/a	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.7	No
R2264	GF	W	294222.2	1247445.7	Residential	60	52	46	51	53	49	51	53	48	52	56	52	53	54	49	52	1.1	No
R2264	F 1	W	294222.2	1247445.7	Residential	60	56	50	55	57	52	55	58	54	57	61	57	58	58	53	56	1.3	No
R2264	F 2	W	294222.2	1247445.7	Residential	60	57	51	55	58	53	55	60	56	59	63	59	60	59	55	57	1.7	No
R2267	GF	W	294225.1	1247405.1	Residential	60	53	47	51	53	49	51	54	49	52	56	52	54	55	50	53	1.1	No
R2267	F 1	W	294225.1	1247405.1	Residential	60	56	50	55	57	52	55	58	53	56	60	56	58	58	53	56	1.2	No
R2271	GF	W	294226.7	1247736.0	Residential	60	59	51	58	59	53	58	65	59	64	67	63	65	59	53	58	0.6	No
R2272	GF	W	294228.1	1247299.0	Residential	60	54	48	53	55	51	53	55	50	53	57	53	55	56	51	54	0.8	No
R2274	GF	W	294228.4	1247283.0	Residential	60	54	48	52	55	50	52	56	51	54	58	54	56	55	51	54	0.8	No
R2277	GF	W	294229.2	1247755.3	Residential	60	59	51	58	59	53	58	65	60	64	68	63	66	60	54	59	0.9	No
R2277	F 1	W	294229.2	1247755.3	Residential	60	61	54	59	61	57	59	65	60	64	68	63	66	63	59	61	1.8	No
R2279	GF	W	294231.6	1247342.7	Residential	60	54	48	53	55	51	53	54	49	53	57	52	54	55	51	53	0.3	No
R2280	GF	W	294231.7	1247309.8	Residential	60	53	48	52	54	50	52	54	49	52	56	52	54	55	51	53	0.7	No
R2281	GF	N	294239.3	1247581.2	Residential	60	52	46	51	53	49	51	53	48	52	56	51	54	54	49	52	1.0	No
R2283	GF	W	294234.6	1247327.2	Residential	60	54	48	52	54	51	52	54	49	52	56	52	54	55	50	53	0.7	No
R2283	F 1	W	294234.6	1247327.2	Residential	60	56	50	54	57	53	54	57	52	55	59	55	57	57	53	56	0.6	No
R2284	GF	S	294241.6	1247683.3	Residential	60	54	48	53	55	50	53	57	52	56	60	55	58	56	51	54	0.8	No
R2285	GF	W	294235.2	1247391.3	Residential	60	52	47	51	53	50	51	53	48	51	55	51	52	54	50	52	0.7	No
R2285	F 1	W	294235.2	1247391.3	Residential	60	55	49	54	56	52	54	56	51	54	58	55	56	57	52	55	0.8	No
R2286	GF	NW	294241.6	1246397.3	Industrial	n/a	47	42	45	48	45	45	47	42	46	49	45	47	49	45	47	1.0	No
R2286	F 1	NW	294241.6	1246397.3	Industrial	n/a	50	45	49	52	48	49	51	46	49	53	49	51	53	48	51	1.1	No
R2288	GF	S	294245.2	1247706.0	Residential	60	54	48	52	55	50	52	56	51	54	58	54	56	55	51	54	0.8	No
R2289	GF	W	294237.1	1247793.1	Residential	60	59	51	58	59	53	58	65	59	64	67	63	66	61	54	59	1.2	No
R2289	F 1	W	294237.1	1247793.1	Residential	60	60	54	59	61	57	59	65	59	64	68	63	66	63	59	61	1.9	No
R2289	F 2	W	294237.1	1247793.1	Residential	60	61	56	60	63	60	60	65	59	64	68	63	66	65	62	62	2.6	Yes
R2289	F 3	W	294237.1	1247793.1	Residential	60	63	59	60	64	62	60	65	59	64	67	63	66	66	63	63	1.5	No
R2290	GF	NW	294237.9	1246338.9	Industrial	n/a	44	39	43	46	42	43	44	40	43	47	43	44	46	42	44	0.9	No
R2291	GF	W	294239.0	1247363.3	Residential	60	53	47	52	54	50	52	54	49	52	56	52	54	55	50	53	0.7	No
R2291	F 1	W	294239.0	1247363.3	Residential	60	56	50	54	56	53	54	57	52	55	59	55	56	57	53	55	0.7	No
R2293	GF	W	294240.0	1245950.2	Commercial	n/a	45	40	44	47	43	44	45	40	44	47	43	45	47	43	45	0.9	No
R2294	GF	W	294240.8	1247816.0	Residential	60	59	51	58	59	53	58	65	59	64	67	62	66	60	53	59	1.3	No
R2294	F 1	W	294240.8	1247816.0	Residential	60	60	54	59	61	56	59	66	59	64	68	62	66	63	58	61	1.9	No
R2295	GF	S	294254.1	1247721.1	Residential	60	55	48	53	55	51	53	56	51	54	58	54	56	56	51	55	1.1	No
R2296	GF	S	294243.5	1247429.7	Residential	60	49	43	48	50	46	48	50	45	48	52	48	50	51	46	49	1.0	No
R2296	F 1	S	294243.5	1247429.7	Residential	60	53	46	51	53	49	51	54	50	52	56	53	54	54	49	53	1.1	No
R2297	GF	W	294244.4	1247486.7	Residential	60	51	45	50	52	48	50	55	50	53	57	53	55	53	48	51	0.9	No
R2297	F 1	W	294244.4	1247486.7	Residential	60	53	47	52	54	50	52	56	51	55	59	55	56	55	51	54	1.3	No
R2297	F 2	W	294244.4	1247486.7	Residential	60	56	50	54	56	52	54	58	54	56	61	57	58	58	54	56	1.4	No
R2299	GF	W	294245.9	1247137.4	Residential	60	54	48	52	55	52	52	55	50	53	57	53	55	56	51	54	0.9	No
R2299	F 1	W	294245.9	1247137.4	Residential	60	53	48	52	54	51	51	54	49	52	56	53	54	55	51	53	1.1	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2300	GF	W	294246.3	1247451.8	Residential	60	51	44	49	51	47	49	53	48	51	55	51	53	52	48	51	1.1	No
R2300	F 1	W	294246.3	1247451.8	Residential	60	53	47	52	54	49	52	56	51	54	58	54	56	55	50	53	1.2	No
R2301	GF	NE	294267.4	1246380.1	Industrial	n/a	46	41	44	47	44	44	46	41	44	49	45	46	48	44	46	1.0	No
R2304	GF	W	294250.4	1247545.2	Residential	60	52	46	51	53	49	51	56	51	54	58	54	56	54	49	52	0.8	No
R2305	GF	S	294261.7	1247743.6	Residential	60	54	48	52	54	50	52	56	51	54	58	54	56	55	51	54	1.1	No
R2306	GF	S	294256.7	1247682.3	Residential	60	54	48	52	54	50	52	56	51	54	58	54	56	55	51	54	1.0	No
R2307	GF	S	294260.5	1247785.5	Residential	60	52	46	51	53	48	51	56	51	55	59	54	57	54	49	52	1.0	No
R2307	F 1	S	294260.5	1247785.5	Residential	60	54	49	53	55	52	53	58	52	56	60	56	58	57	53	54	1.5	No
R2307	F 2	S	294260.5	1247785.5	Residential	60	55	50	53	56	53	53	58	53	57	61	57	58	58	55	55	1.9	No
R2307	F 3	S	294260.5	1247785.5	Residential	60	56	51	53	57	55	53	59	53	57	61	57	59	59	56	56	2.0	No
R2308	GF	W	294251.9	1247151.8	Residential	60	53	48	52	54	51	52	54	50	53	57	53	54	55	51	53	0.6	No
R2311	GF	W	294254.2	1247829.4	Residential	60	58	51	57	58	54	57	64	57	63	66	61	64	60	52	59	1.2	No
R2311	F 1	W	294254.2	1247829.4	Residential	60	59	53	58	60	56	58	64	58	63	66	61	65	62	55	60	1.5	No
R2312	GF	S	294259.6	1247125.2	Residential	60	53	48	52	55	52	52	53	48	52	56	52	54	56	52	54	0.9	No
R2312	F 1	S	294259.6	1247125.2	Residential	60	54	49	53	56	52	53	54	49	52	57	52	54	57	52	54	1.0	No
R2313	GF	N	294261.1	1247720.8	Residential	60	53	47	52	54	50	52	55	50	53	57	53	55	55	50	54	1.2	No
R2316	GF	W	294256.1	1247171.1	Residential	60	54	49	52	55	52	52	55	50	53	57	53	55	56	52	53	0.6	No
R2317	GF	W	294256.7	1247188.4	Residential	60	53	48	52	54	51	51	54	49	52	56	52	54	55	51	53	0.8	No
R2317	F 1	W	294256.7	1247188.4	Residential	60	55	49	53	56	52	53	56	51	54	58	55	56	57	53	55	0.9	No
R2318	GF	W	294256.8	1247953.1	Commercial	n/a	65	58	64	66	61	64	66	58	66	69	62	68	68	61	67	1.7	No
R2319	GF	W	294256.8	1247892.4	Residential	60	60	55	59	62	59	59	65	58	64	67	62	65	61	55	60	-0.8	No
R2319	F 1	W	294256.8	1247892.4	Residential	60	62	56	60	63	59	60	65	59	64	67	62	65	63	57	61	-0.3	No
R2319	F 2	W	294256.8	1247892.4	Residential	60	63	57	62	64	61	62	65	59	64	67	62	66	65	61	63	0.6	No
R2321	GF	W	294259.1	1247202.3	Residential	60	53	47	51	54	50	51	53	49	52	56	52	53	55	50	53	0.9	No
R2322	GF	W	294260.1	1247210.3	Residential	60	52	47	51	54	50	51	53	48	51	56	52	53	54	50	52	0.8	No
R2324	GF	SW	294260.7	1246199.1	Active recreation	65	46	40	45	47	43	45	46	40	45	48	43	46	48	43	46	0.9	No
R2325	GF	W	294261.1	1247507.0	Residential	60	51	45	50	52	47	50	54	49	52	56	52	54	53	48	51	1.0	No
R2325	F 1	W	294261.1	1247507.0	Residential	60	53	47	52	54	49	52	56	51	54	58	54	55	55	50	53	1.3	No
R2326	GF	W	294261.5	1246347.2	Industrial	n/a	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.8	No
R2326	F 1	W	294261.5	1246347.2	Industrial	n/a	48	43	47	49	46	47	48	43	47	50	46	48	50	46	48	0.8	No
R2327	GF	W	294263.8	1247588.8	Residential	60	54	48	52	55	50	52	55	50	53	57	53	55	56	51	54	1.1	No
R2328	GF	W	294263.8	1247227.2	Residential	60	52	47	51	53	50	51	53	48	51	55	51	53	54	50	52	0.9	No
R2328	F 1	W	294263.8	1247227.2	Residential	60	55	49	53	56	52	53	56	51	54	58	55	56	56	52	54	0.7	No
R2330	GF	W	294265.9	1247525.5	Residential	60	51	45	50	52	47	50	54	49	52	56	52	54	53	48	51	0.9	No
R2330	F 1	W	294265.9	1247525.5	Residential	60	54	48	52	54	50	52	56	51	54	58	54	56	56	51	54	1.2	No
R2331	GF	W	294266.1	1247243.4	Residential	60	52	46	50	53	49	50	53	48	51	55	52	53	54	50	52	0.9	No
R2331	F 1	W	294266.1	1247243.4	Residential	60	54	49	53	56	52	53	56	51	54	58	54	56	56	52	54	0.8	No
R2332	GF	W	294269.0	1247643.9	Residential	60	55	49	54	56	51	54	57	52	55	59	55	57	57	52	55	1.1	No
R2333	GF	W	294270.8	1247570.5	Residential	60	52	46	51	53	49	51	54	49	52	56	52	54	54	49	52	1.1	No
R2334	GF	N	294290.5	1245979.6	Commercial	n/a	44	39	43	45	42	43	44	39	43	46	42	45	46	42	44	0.9	No
R2335	GF	W	294272.9	1247282.6	Residential	60	51	46	50	52	48	50	52	47	50	54	50	52	53	49	51	0.9	No
R2335	F 1	W	294272.9	1247282.6	Residential	60	54	49	53	55	52	53	55	51	54	58	54	55	56	52	54	0.8	No
R2336	GF	W	294273.1	1247160.2	Residential	60	51	46	50	53	49	50	52	47	50	54	51	52	53	49	51	0.5	No
R2337	GF	S	294278.3	1247776.0	Residential	60	51	45	50	52	47	50	55	50	53	57	53	55	53	48	51	0.9	No
R2337	F 1	S	294278.3	1247776.0	Residential	60	54	48	52	55	51	52	57	52	55	59	55	57	56	52	54	1.2	No
R2337	F 2	S	294278.3	1247776.0	Residential	60	55	49	53	56	52	53	58	53	56	60	56	58	57	54	55	1.7	No
R2337	F 3	S	294278.3	1247776.0	Residential	60	55	50	53	56	53	53	58	53	57	61	57	58	58	56	55	2.2	No
R2338	GF	S	294280.5	1247744.0	Residential	60	52	46	51	53	49	51	54	49	52	56	52	54	54	50	52	1.0	No
R2339	GF	W	294274.0	1247604.1	Residential	60	54	48	53	55	50	53	56	51	54	58	54	56	56	51	54	1.2	No
R2339	F 1	W	294274.0	1247604.1	Residential	60	55	49	54	56	51	54	58	53	56	60	56	57	57	53	55	1.3	No
R2341	GF	W	294275.8	1247301.7	Residential	60	51	45	49	52	48	50	52	47	50	54	50	52	53	48	51	0.8	No
R2342	GF	N	294285.5	1247827.6	Residential	60	52	47	50	53	50	50	58	51	56	59	54	58	53	46	52	0.4	No
R2343	GF	W	294278.4	1247318.9	Residential	60	50	44	49	51	47	49	51	46	49	53	49	51	52	48	50	1.0	No
R2343	F 1	W	294278.4	1247318.9	Residential	60	53	48	52	54	51	52	54	50	53	57	53	54	55	51	53	0.7	No
R2348	GF	W	294282.2	1247630.4	Residential	60	53	47	52	54	49	52	55	50	53	57	53	55	55	50	53	1.1	No
R2349	GF	W	294285.1	1247336.4	Residential	60	49	43	48	50	46	48	50	45	48	52	48	50	51	46	49	1.0	No
R2350	GF	W	294283.3	1247665.1	Residential	60	54	48	53	55	50	53	56	51	54	58	54	56	56	51	54	1.1	No
R2350	F 1	W	294283.3	1247665.1	Residential	60	55	49	54	56	52	54	58	53	56	60	57	58	57	53	55	1.2	No
R2353	GF	W	294286.8	1247687.3	Residential	60	54	47	52	54	50	52	55	50	53	57	53	55	55	50	54	1.1	No
R2353	F 1	W	294286.8	1247687.3	Residential	60	55	49	54	56	52	54	57	53	56	60	56	57	57	52	55	1.1	No
R2354	GF	W	294287.1	1247358.0	Residential	60	49	44	48	50	46	48	50	45	48	52	48	50	51	47	49	1.0	No
R2356	GF	W	294288.9	1247381.4	Residential	60	49	44	48	50	47	48	50	45	48	52	48	50	51	47	49	0.9	No
R2356	F 1	W	294288.9	1247381.4	Residential	60	52	47	51	53	50	51	53	48	51	55	52	53	54	50	52	0.8	No
R2358	GF	S	294297.2	1247271.5	Residential	60	49	44	48	50	47	48	50	45	48	52	48	50	51	47	49	0.7	No
R2359	GF	W	294291.8	1247179.2	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.8	No
R2360	GF	W	294292.2	1247195.4	Residential	60	49	43	47	50	47	47	49	44	47	51	47	49	51	47	48	0.9	No
R2361	GF	S	294298.0	1247420.3	Residential	60	48	43	46	49	46	47	48	43	46	50	47	48	50	46	48	0.8	No
R2362	GF	W	294292.4	1247399.1	Residential	60	49	43	48	50	46	48	49	44	48	52	48	49	51	47	49	0.8	No
R2363	GF	W	294293.4	1247701.2	Residential	60	53	47	51	53	49	52	54	49	53	57	52	54	54	49	53	1.0	No
R2364	GF	S	294300.9	1247291.7	Residential	60	46	40	45	47	43	45	47	42	45	49	45	47	48	44	46	0.8	No
R2366	GF	NW	294295.3	1246425.0	Industrial	n/a	49	43	47	50	46	47	49	44	47	51	47	49	51	47	49	1.0	No
R2371	GF	W	294299.6	1247231.7	Residential	60	49	43	47	50	46	48	50	45	48	52	48	50	51	47	49	0.9	No
R2372	GF	W	294299.8	1247725.9	Residential	60	52	46	51	53	48	51	53	48	51	55	51	53	54	49	52	1.0	No
R2375	GF	W	294302.6	1247744.9	Residential	60	52	45	50	52	48	50	53	48	51	55	52	53	53	48	51	0.9	No
R2376	GF	N	294322.8	1245974.3	Commercial	n/a	44	38	42	45	41	42	43	38	42	46	41	44	46	41	44	0.9	No
R2378	GF	S	294307.8	1247859.3	Residential	60	50	45	49	51	47	49	57	51	56	59	54	57	53	47	52	1.8	No
R2378	F 1	S	294307.8	1247859.3	Residential	60	52	47	50	53	49	50	57	51	56	59	55	58	54	49	53	1.6	No
R2378	F 2	S	294307.8	1247859.3	Residential	60	53	47	51	54	50	52	58	52	56	60	55	58	56	51	54	1.8	No
R2380	GF	S	294310.7	1247269.4	Residential	60	49	43	47	50	46	47	50	45	48	52	48	50	51	46	49	0.9	No
R2381	GF	N	294315.3	1247438.3	Residential	60	47	42	46	48	44	46	49	44	47	51	47	49	49	45	47	1.1	No
R2381	F 1	N	294315.3	1247438.3	Residential	60	49	43	48	50	46	48	51	46	49	53	49	51	51	47	49	1.2	No
R2382	GF	W	294306.9	1247804.2	Residential	60	50	45	49	52	48	49	53	48	52	55	51	53	53	48	51	1.1	No
R2382	F 1	W	294306.9	1247804.2	Residential	60	53	47	51	54	50	51	56	50	54	58	53	56	55	50	53	1.1	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2382	F 2	W	294306.9	1247804.2	Residential	60	54	49	53	55	52	53	57	52	56	59	55	57	56	52	54	1.2	No
R2383	GF	W	294307.2	1247495.0	Residential	60	49	43	47	50	46	47	49	45	47	52	48	49	51	47	49	1.0	No
R2383	F 1	W	294307.2	1247495.0	Residential	60	52	46	50	53	49	50	53	48	51	55	51	53	54	49	52	1.1	No
R2384	GF	N	294316.9	1247300.9	Residential	60	47	42	46	48	45	46	47	43	46	50	46	47	49	45	47	0.9	No
R2385	GF	W	294310.0	1247480.1	Residential	60	49	43	48	50	46	48	50	45	48	52	48	50	51	47	49	1.0	No
R2387	GF	W	294312.0	1247518.0	Residential	60	49	44	47	50	46	47	49	45	48	52	48	49	51	47	49	1.0	No
R2387	F 1	W	294312.0	1247518.0	Residential	60	52	46	50	53	49	50	53	49	51	56	52	53	54	49	52	1.1	No
R2389	GF	W	294315.5	1247171.9	Residential	60	50	45	49	52	48	49	50	45	49	53	49	50	53	48	50	0.9	No
R2389	F 1	W	294315.5	1247171.9	Residential	60	53	48	51	54	51	51	53	48	51	56	52	53	55	51	53	0.9	No
R2390	GF	W	294317.4	1247541.1	Residential	60	49	43	47	50	46	47	49	45	47	52	48	49	51	47	49	1.0	No
R2392	GF	N	294328.3	1247232.4	Residential	60	46	40	44	47	44	44	46	41	44	49	45	46	48	44	45	0.8	No
R2392	F 1	N	294328.3	1247232.4	Residential	60	48	43	47	49	46	47	49	45	48	52	48	49	50	46	48	0.8	No
R2392	F 2	N	294328.3	1247232.4	Residential	60	50	44	48	51	47	48	51	47	49	54	50	51	52	47	50	0.9	No
R2393	GF	W	294318.4	1247357.8	Residential	60	48	43	46	49	46	46	49	44	47	51	47	49	50	46	48	0.9	No
R2393	F 1	W	294318.4	1247357.8	Residential	60	51	45	50	52	48	50	52	48	51	55	51	52	53	49	51	1.0	No
R2394	GF	S	294321.2	1247853.3	Residential	60	49	43	47	50	46	47	55	49	54	57	52	55	52	46	50	2.0	No
R2394	F 1	S	294321.2	1247853.3	Residential	60	50	45	49	51	47	49	55	49	54	58	53	56	53	48	51	1.9	No
R2394	F 2	S	294321.2	1247853.3	Residential	60	51	46	50	52	48	50	56	50	54	58	53	56	54	49	52	1.8	No
R2394	F 3	S	294321.2	1247853.3	Residential	60	52	47	51	54	50	51	56	51	55	58	54	56	55	51	53	1.6	No
R2395	GF	W	294319.4	1247558.5	Residential	60	49	43	47	50	46	47	50	45	48	52	48	50	51	47	49	1.0	No
R2396	GF	SW	294327.0	1246169.7	Active recreation	65	45	39	44	46	42	44	45	39	44	47	42	45	47	42	45	1.1	No
R2398	GF	W	294321.2	1247202.2	Residential	60	48	43	46	49	46	46	48	43	47	51	47	48	50	46	48	1.0	No
R2398	F 1	W	294321.2	1247202.2	Residential	60	52	47	50	53	50	50	53	48	51	55	51	53	54	50	52	0.9	No
R2399	GF	N	294333.0	1247428.9	Residential	60	47	42	46	48	44	46	48	43	46	50	46	47	49	45	47	1.1	No
R2400	GF	NW	294322.5	1246433.0	Industrial	n/a	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.8	No
R2402	GF	S	294328.4	1247787.4	Residential	60	48	43	47	49	46	47	50	45	48	52	48	50	50	46	48	1.1	No
R2402	F 1	S	294328.4	1247787.4	Residential	60	50	45	49	51	47	49	52	48	51	55	51	52	53	48	50	1.3	No
R2404	GF	W	294325.8	1247599.6	Residential	60	50	44	48	51	47	48	51	46	49	53	49	51	52	47	50	1.0	No
R2404	F 1	W	294325.8	1247599.6	Residential	60	52	46	50	52	48	50	53	49	51	56	52	53	54	49	52	1.1	No
R2405	GF	W	294326.2	1247578.4	Residential	60	50	44	48	51	47	48	51	46	49	53	49	51	52	47	50	1.1	No
R2405	F 1	W	294326.2	1247578.4	Residential	60	52	46	50	53	49	50	54	49	52	56	52	54	54	49	52	1.2	No
R2406	GF	N	294335.1	1247297.8	Residential	60	47	41	45	48	44	45	47	43	45	50	46	47	49	45	47	0.9	No
R2407	GF	W	294327.4	1247273.7	Residential	60	49	44	47	50	47	47	49	45	47	52	48	49	51	47	49	0.9	No
R2407	F 1	W	294327.4	1247273.7	Residential	60	52	47	51	54	50	51	54	49	52	56	52	53	54	50	52	0.8	No
R2409	GF	W	294329.9	1247618.8	Residential	60	50	44	48	51	47	48	51	47	49	53	50	51	52	47	50	1.1	No
R2411	GF	W	294332.5	1247638.9	Residential	60	50	44	49	51	47	49	51	47	49	54	50	51	52	48	50	1.1	No
R2411	F 1	W	294332.5	1247638.9	Residential	60	52	46	50	53	49	50	54	50	52	56	53	54	54	50	52	1.1	No
R2411	F 2	W	294332.5	1247638.9	Residential	60	53	47	51	54	50	51	55	51	53	58	54	55	55	51	53	1.2	No
R2412	GF	W	294333.1	1247408.0	Residential	60	48	43	47	50	46	47	48	44	47	51	47	48	50	46	48	0.8	No
R2413	GF	W	294334.2	1247309.9	Residential	60	49	43	47	50	46	47	50	45	48	52	48	49	51	47	49	1.0	No
R2414	GF	W	294334.3	1247778.1	Residential	60	49	43	47	50	46	47	51	46	49	53	49	51	51	47	49	1.1	No
R2415	GF	NW	294335.6	1246464.9	Industrial	n/a	49	44	48	51	47	48	49	45	47	52	48	49	51	47	49	0.8	No
R2416	GF	W	294335.0	1247651.4	Residential	60	50	45	49	51	47	49	52	47	50	54	50	52	52	48	50	1.1	No
R2416	F 1	W	294335.0	1247651.4	Residential	60	52	46	50	53	49	50	54	49	52	56	53	53	54	50	52	1.2	No
R2416	F 2	W	294335.0	1247651.4	Residential	60	53	47	51	54	50	51	55	51	53	57	54	55	55	51	53	1.3	No
R2417	GF	N	294345.1	1247902.6	Residential	60	48	40	47	49	43	47	48	41	47	50	44	48	50	44	48	0.9	No
R2417	F 1	N	294345.1	1247902.6	Residential	60	50	42	49	51	45	49	50	43	49	52	46	51	52	45	50	1.1	No
R2417	F 2	N	294345.1	1247902.6	Residential	60	51	44	50	52	47	50	51	44	50	53	47	52	53	47	52	1.2	No
R2418	GF	N	294345.3	1247435.2	Residential	60	47	41	45	48	44	45	48	43	46	51	47	48	49	44	47	1.0	No
R2418	F 1	N	294345.3	1247435.2	Residential	60	50	44	48	51	47	48	51	47	49	54	50	51	52	48	50	1.1	No
R2421	GF	W	294339.8	1247690.9	Residential	60	49	44	48	50	47	48	50	46	48	53	49	50	51	47	49	0.8	No
R2421	F 1	W	294339.8	1247690.9	Residential	60	51	46	50	52	49	50	53	49	51	55	52	53	53	49	51	1.0	No
R2422	GF	N	294347.9	1247822.6	Residential	60	47	41	45	48	44	45	52	46	51	54	50	53	49	43	48	1.4	No
R2423	GF	W	294340.3	1246746.3	Active recreation	65	53	48	52	55	52	51	53	48	52	56	52	53	55	52	53	0.9	No
R2425	GF	W	294341.7	1247676.5	Residential	60	50	44	49	51	47	49	51	47	49	54	50	51	52	48	50	1.1	No
R2425	F 1	W	294341.7	1247676.5	Residential	60	52	46	50	53	49	50	54	49	51	56	53	53	54	50	52	1.1	No
R2426	GF	W	294344.9	1247378.0	Residential	60	48	42	46	49	45	46	48	43	46	50	46	48	50	46	48	0.9	No
R2427	GF	N	294353.2	1247315.3	Residential	60	47	42	45	48	45	46	47	43	46	50	46	47	49	45	47	0.7	No
R2428	GF	W	294351.7	1247468.2	Residential	60	47	41	45	48	44	45	48	43	47	51	46	48	49	44	47	0.9	No
R2429	GF	S	294352.8	1247262.7	Residential	60	47	42	46	48	45	46	48	43	46	50	46	48	49	45	47	0.9	No
R2429	F 1	S	294352.8	1247262.7	Residential	60	49	44	48	51	47	48	50	46	48	53	49	50	51	47	49	0.8	No
R2430	GF	W	294346.3	1247732.8	Residential	60	49	43	47	50	46	47	49	45	47	52	48	49	51	47	48	0.9	No
R2430	F 1	W	294346.3	1247732.8	Residential	60	51	46	49	52	48	49	53	48	51	55	52	52	53	49	51	1.0	No
R2432	GF	W	294346.6	1247713.0	Residential	60	49	44	47	50	46	47	50	45	48	52	48	49	51	47	49	0.9	No
R2436	GF	N	294360.2	1247899.6	Residential	60	47	39	46	48	42	46	46	40	45	49	42	47	48	42	47	0.9	No
R2436	F 1	N	294360.2	1247899.6	Residential	60	49	41	48	49	44	48	49	42	48	51	45	49	50	44	49	1.2	No
R2437	GF	S	294354.4	1247853.1	Residential	60	46	40	44	47	43	44	51	45	49	53	48	51	49	44	47	1.7	No
R2437	F 1	S	294354.4	1247853.1	Residential	60	48	43	47	49	46	47	52	46	50	54	49	52	51	46	49	1.3	No
R2440	GF	S	294359.3	1247803.7	Residential	60	47	41	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R2440	F 1	S	294359.3	1247803.7	Residential	60	50	44	48	51	47	48	51	46	49	53	50	51	52	48	50	1.2	No
R2442	GF	S	294357.2	1247633.8	Residential	60	44	39	43	45	42	43	44	39	42	46	42	44	46	42	44	1.0	No
R2443	GF	S	294361.5	1247540.1	Residential	60	47	41	45	48	44	45	47	42	45	49	45	47	48	44	46	0.9	No
R2444	GF	N	294361.8	1247430.7	Residential	60	46	41	45	47	43	45	48	43	46	50	46	48	48	44	46	1.1	No
R2444	F 1	N	294361.8	1247430.7	Residential	60	50	44	48	51	47	48	51	47	49	54	50	51	52	48	50	1.0	No
R2447	GF	W	294358.3	1247287.5	Residential	60	47	41	45	48	44	45	47	43	46	50	46	47	49	45	47	1.1	No
R2448	GF	S	294365.7	1247464.2	Residential	60	45	40	44	46	43	44	47	42	45	49	45	47	47	43	45	0.9	No
R2448	F 1	S	294365.7	1247464.2	Residential	60	49	44	47	50	47	47	50	45	48	52	48	50	51	47	49	0.9	No
R2449	GF	N	294367.1	1247312.8	Residential	60	46	41	45	47	44	45	47	42	45	49	45	47	48	44	46	0.9	No
R2450	GF	W	294360.1	1247386.6	Residential	60	48	42	46	49	46	46	48	43	46	50	46	48	50	46	47	0.9	No
R2451	GF	W	294361.1	1247929.6	Residential	60	49	42	48	50	44	48	48	42	47	50	45	49	50	44	49	0.9	No
R2451	F 1	W	294361.1	1247929.6	Residential	60	51	43	50	51	46	50	51	44	50	53	47	51	52	46	51	1.1	No
R2451	F 2	W	294361.1	1247929.6	Residential	60	52	45	51	53	48	51	52	46	51	54	49	53	54	48	53	1.0	No
R2451	F 3	W	294361.1	1247929.6	Residential	60	53	47	52	54	50	52	54	47	52	56	50	54	55	50	54	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2452	GF	W	294361.1	1247372.0	Residential	60	48	43	46	49	46	46	48	44	46	50	47	48	50	46	48	0.9	No
R2453	GF	S	294370.2	1247599.3	Residential	60	47	42	46	48	45	46	48	43	46	50	46	48	49	45	47	0.8	No
R2454	GF	S	294367.5	1247212.4	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	1.0	No
R2454	F 1	S	294367.5	1247212.4	Residential	60	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.8	No
R2455	GF	N	294366.4	1247700.8	Residential	60	46	40	44	47	43	44	47	42	45	49	45	46	48	43	45	0.8	No
R2457	GF	W	294363.5	1247342.8	Residential	60	48	43	46	49	46	46	48	44	46	51	47	48	50	46	48	0.9	No
R2457	F 1	W	294363.5	1247342.8	Residential	60	51	45	49	52	48	49	52	47	50	54	50	52	53	49	51	0.9	No
R2457	F 2	W	294363.5	1247342.8	Residential	60	52	47	51	53	50	51	53	49	51	56	52	53	54	50	52	0.9	No
R2458	GF	W	294363.6	1247714.9	Residential	60	46	40	44	47	43	44	46	41	44	48	45	46	48	44	46	0.9	No
R2459	GF	NW	294364.0	1246121.7	Active recreation	65	46	40	44	47	43	44	45	40	44	48	43	46	47	43	46	0.9	No
R2460	GF	S	294379.3	1247617.8	Residential	60	47	41	45	48	44	45	47	42	45	49	46	47	49	45	46	0.9	No
R2461	GF	S	294368.3	1247849.7	Residential	60	46	41	45	47	44	44	51	45	50	53	49	51	49	44	47	1.7	No
R2461	F 1	S	294368.3	1247849.7	Residential	60	48	43	46	49	46	46	52	46	51	54	50	52	51	46	49	1.5	No
R2461	F 2	S	294368.3	1247849.7	Residential	60	50	45	48	51	48	48	53	48	51	55	51	53	52	48	50	1.5	No
R2463	GF	S	294370.2	1247769.6	Residential	60	48	42	46	49	45	46	50	45	48	52	49	50	50	46	47	1.1	No
R2463	F 1	S	294370.2	1247769.6	Residential	60	50	45	49	51	48	49	52	48	50	55	51	52	53	49	50	1.1	No
R2464	GF	N	294372.2	1247430.6	Residential	60	46	41	45	47	43	44	47	43	45	50	46	47	48	44	46	1.0	No
R2464	F 1	N	294372.2	1247430.6	Residential	60	48	42	46	49	45	46	50	45	48	52	48	50	50	46	48	1.2	No
R2465	GF	W	294366.4	1247320.6	Residential	60	48	43	47	49	46	47	49	44	47	51	48	49	50	46	48	0.9	No
R2465	F 1	W	294366.4	1247320.6	Residential	60	51	46	50	52	49	50	52	48	50	55	51	52	53	49	51	0.9	No
R2468	GF	S	294372.9	1247256.2	Residential	60	48	42	46	49	45	46	48	43	46	50	47	48	50	46	48	0.9	No
R2470	GF	N	294376.5	1247290.5	Residential	60	44	38	42	45	41	42	44	39	42	46	42	44	46	42	43	1.0	No
R2470	F 1	N	294376.5	1247290.5	Residential	60	47	42	46	48	44	46	48	43	46	50	47	48	49	45	47	0.9	No
R2471	GF	N	294377.5	1247814.2	Residential	60	45	40	44	46	43	44	50	44	49	52	48	50	48	42	46	1.4	No
R2471	F 1	N	294377.5	1247814.2	Residential	60	49	44	47	50	46	47	53	47	51	55	50	53	51	47	49	1.5	No
R2473	GF	W	294371.9	1247187.6	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2473	F 1	W	294371.9	1247187.6	Residential	60	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	0.8	No
R2475	GF	N	294378.0	1247701.0	Residential	60	45	40	44	46	43	44	45	41	43	47	44	45	47	43	45	0.9	No
R2476	GF	S	294377.1	1247462.2	Residential	60	45	39	44	46	42	44	47	42	45	49	45	47	47	43	45	0.8	No
R2476	F 1	S	294377.1	1247462.2	Residential	60	49	43	47	50	46	47	50	45	48	52	48	50	51	47	48	0.9	No
R2477	GF	W	294373.9	1247728.2	Residential	60	46	41	45	47	44	45	47	43	45	50	46	47	48	44	46	0.9	No
R2477	F 1	W	294373.9	1247728.2	Residential	60	49	43	47	50	46	47	50	46	48	52	49	50	51	47	49	0.9	No
R2477	F 2	W	294373.9	1247728.2	Residential	60	51	46	49	52	49	50	53	49	51	56	52	53	53	49	51	1.1	No
R2478	GF	W	294373.9	1247951.7	Residential	60	48	41	47	49	44	47	48	41	47	50	44	49	50	44	49	1.2	No
R2478	F 1	W	294373.9	1247951.7	Residential	60	50	42	49	50	45	49	50	42	49	52	45	50	51	45	50	1.1	No
R2478	F 2	W	294373.9	1247951.7	Residential	60	51	43	50	51	46	50	51	43	50	53	46	51	52	46	51	1.1	No
R2478	F 3	W	294373.9	1247951.7	Residential	60	52	45	51	53	48	51	52	45	51	54	48	53	54	48	52	1.0	No
R2479	GF	N	294381.2	1247310.1	Residential	60	44	38	42	45	41	42	44	39	42	47	43	44	45	41	43	0.7	No
R2482	GF	W	294379.9	1247768.9	Residential	60	48	42	46	49	45	46	50	45	48	52	49	49	50	45	47	1.0	No
R2482	F 1	W	294379.9	1247768.9	Residential	60	50	45	48	51	48	48	52	48	50	55	51	52	52	48	50	1.2	No
R2484	GF	W	294378.6	1247569.8	Residential	60	47	42	46	48	45	46	48	43	46	50	47	48	49	45	47	0.9	No
R2485	GF	S	294382.4	1247843.4	Residential	60	46	40	44	47	43	44	49	44	48	52	47	50	48	43	46	1.3	No
R2485	F 1	S	294382.4	1247843.4	Residential	60	48	43	46	49	46	46	51	45	50	53	49	51	50	46	48	1.4	No
R2485	F 2	S	294382.4	1247843.4	Residential	60	49	44	48	51	47	48	52	47	51	55	51	52	52	48	50	1.4	No
R2486	GF	W	294379.4	1247215.6	Residential	60	48	43	47	50	46	47	48	43	46	50	46	48	50	46	48	0.9	No
R2488	GF	N	294404.3	1247969.8	Residential	60	46	40	45	47	43	45	47	40	46	49	43	47	49	43	47	1.5	No
R2488	F 1	N	294404.3	1247969.8	Residential	60	47	40	46	48	44	46	47	41	46	50	44	48	50	44	48	1.4	No
R2488	F 2	N	294404.3	1247969.8	Residential	60	48	41	47	49	44	47	48	41	47	50	44	49	50	44	49	1.4	No
R2488	F 3	N	294404.3	1247969.8	Residential	60	49	42	48	50	46	48	49	43	48	52	46	50	52	46	50	1.4	No
R2490	GF	W	294382.6	1247355.0	Residential	60	46	41	45	47	43	44	47	42	45	49	45	47	48	44	46	1.1	No
R2491	GF	N	294391.0	1247812.5	Residential	60	44	38	42	45	41	43	49	43	48	51	47	50	46	41	45	1.6	No
R2491	F 1	N	294391.0	1247812.5	Residential	60	47	42	46	48	45	46	51	46	50	54	49	52	50	46	48	1.5	No
R2492	GF	W	294383.5	1247958.5	Residential	60	48	41	47	49	44	47	48	41	47	50	44	49	50	44	49	1.3	No
R2492	F 1	W	294383.5	1247958.5	Residential	60	50	42	49	50	45	49	49	42	48	51	45	50	51	45	50	1.0	No
R2492	F 2	W	294383.5	1247958.5	Residential	60	51	43	50	51	46	50	50	43	49	52	46	51	52	46	51	1.0	No
R2492	F 3	W	294383.5	1247958.5	Residential	60	52	45	51	53	48	51	52	45	51	54	48	52	54	48	52	1.0	No
R2494	GF	W	294384.1	1247385.0	Residential	60	47	41	45	48	44	45	47	42	45	49	45	47	49	45	46	0.9	No
R2494	F 1	W	294384.1	1247385.0	Residential	60	50	44	48	51	47	48	50	46	48	53	49	50	52	47	49	0.9	No
R2495	GF	N	294390.9	1247428.8	Residential	60	45	40	44	46	43	44	47	42	45	49	46	47	47	43	45	1.0	No
R2495	F 1	N	294390.9	1247428.8	Residential	60	48	43	47	49	46	47	50	45	48	52	48	50	50	46	48	1.0	No
R2496	GF	W	294384.3	1247370.4	Residential	60	46	41	45	48	44	45	47	42	45	49	46	47	49	45	46	1.0	No
R2500	GF	S	294395.9	1247461.0	Residential	60	45	39	43	46	42	43	46	41	44	48	44	46	47	43	45	0.9	No
R2500	F 1	S	294395.9	1247461.0	Residential	60	48	42	46	49	45	46	49	44	47	51	47	49	50	46	47	1.1	No
R2505	GF	W	294393.7	1247404.1	Residential	60	46	41	45	47	44	45	46	42	44	49	45	46	48	44	46	0.9	No
R2506	GF	S	294397.5	1247842.2	Residential	60	44	39	42	45	42	42	47	42	46	49	45	47	47	42	45	1.5	No
R2506	F 1	S	294397.5	1247842.2	Residential	60	47	43	46	49	46	46	50	45	49	52	48	50	50	46	48	1.6	No
R2506	F 2	S	294397.5	1247842.2	Residential	60	49	44	48	51	47	48	52	47	50	54	50	52	52	48	50	1.5	No
R2507	GF	S	294401.8	1247758.6	Residential	60	46	41	44	47	43	44	47	43	45	50	46	47	48	44	45	0.9	No
R2507	F 1	S	294401.8	1247758.6	Residential	60	48	43	46	49	46	46	50	45	48	52	49	50	50	46	48	1.1	No
R2508	GF	N	294408.3	1247425.9	Residential	60	45	40	43	46	43	43	46	42	44	49	45	46	47	43	45	1.1	No
R2508	F 1	N	294408.3	1247425.9	Residential	60	47	41	45	48	44	46	48	44	46	51	47	48	49	45	47	1.0	No
R2509	GF	S	294406.5	1247206.0	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.8	No
R2510	GF	NW	294397.5	1245992.2	Active recreation	65	45	39	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2512	GF	S	294404.4	1247175.4	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2512	F 1	S	294404.4	1247175.4	Residential	60	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	0.9	No
R2513	GF	N	294408.1	1247809.7	Residential	60	43	38	41	44	40	41	49	43	47	51	46	49	46	40	44	2.0	No
R2513	F 1	N	294408.1	1247809.7	Residential	60	44	39	43	45	42	43	50	44	49	52	47	50	47	42	46	1.9	No
R2516	GF	S	294411.7	1247718.2	Residential	60	46	41	45	47	44	45	46	42	44	49	45	46	48	44	46	0.8	No
R2519	GF	S	294412.7	1247457.2	Residential	60	45	40	44	46	43	44	47	42	45	49	45	47	47	43	45	0.9	No
R2521	GF	W	294407.5	1247485.5	Residential	60	46	41	45	47	44	45	47	42	45	49	45	47	48	44	46	0.9	No
R2522	GF	S	294412.8	1247839.6	Residential	60	44	39	42	45	42	42	48	42	46	50	45	48	46	42	45	1.2	No
R2522	F 1	S	294412.8	1247839.6	Residential	60	46	42	45	48	44	45	50	44	48	52	48	50	49	45	47	1.5	No
R2522	F 2	S	294412.8	1247839.6	Residential	60	49	44	47	50	47	47	52	47	50	54	50	51	51	47	49	1.4	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2523	GF	W	294409.2	1247544.5	Residential	60	47	42	45	48	45	45	47	43	45	50	46	47	49	45	47	1.0	No
R2524	GF	W	294410.1	1247519.9	Residential	60	47	41	45	48	44	45	47	43	45	49	46	47	49	45	46	1.0	No
R2525	GF	N	294421.2	1247977.8	Residential	60	45	39	44	46	42	44	45	39	44	48	43	46	48	43	46	1.4	No
R2525	F 1	N	294421.2	1247977.8	Residential	60	46	40	45	47	43	45	46	40	45	48	43	47	48	43	47	1.3	No
R2525	F 2	N	294421.2	1247977.8	Residential	60	46	40	45	47	43	45	47	40	45	49	43	47	49	43	47	1.3	No
R2525	F 3	N	294421.2	1247977.8	Residential	60	47	40	46	48	44	46	47	41	46	49	44	48	49	44	48	1.4	No
R2526	GF	W	294412.4	1247254.0	Residential	60	48	43	47	49	46	47	49	44	47	51	47	49	50	46	48	0.9	No
R2528	GF	W	294413.0	1247270.4	Residential	60	48	42	46	49	46	46	48	43	46	50	46	48	50	46	47	0.8	No
R2529	GF	W	294413.2	1247560.7	Residential	60	48	42	46	49	45	46	48	44	46	51	47	48	50	46	47	1.0	No
R2529	F 1	W	294413.2	1247560.7	Residential	60	50	44	48	51	47	48	51	46	49	53	49	50	52	48	49	1.0	No
R2529	F 2	W	294413.2	1247560.7	Residential	60	51	46	49	52	49	50	52	48	50	55	51	52	53	49	51	0.9	No
R2530	GF	W	294413.8	1247691.1	Residential	60	47	42	46	48	45	46	47	43	45	50	46	47	49	45	47	0.9	No
R2533	GF	W	294414.8	1247196.9	Residential	60	46	41	44	48	44	45	46	41	44	48	44	46	48	44	46	0.8	No
R2535	GF	W	294417.1	1247581.5	Residential	60	48	43	47	49	46	47	49	45	47	52	48	49	50	46	48	1.0	No
R2536	GF	W	294417.5	1247295.4	Residential	60	48	42	46	49	45	46	48	43	46	50	46	48	50	46	47	0.9	No
R2536	F 1	W	294417.5	1247295.4	Residential	60	50	45	48	51	48	49	51	46	49	53	49	51	52	48	50	0.9	No
R2538	GF	S	294427.2	1247754.1	Residential	60	46	41	44	47	44	44	47	42	45	49	45	47	48	44	45	0.8	No
R2538	F 1	S	294427.2	1247754.1	Residential	60	48	44	47	50	47	47	49	45	47	52	48	49	51	47	48	0.9	No
R2540	GF	W	294418.9	1247211.3	Residential	60	44	39	43	46	42	43	44	39	42	46	43	44	47	43	44	0.9	No
R2540	F 1	W	294418.9	1247211.3	Residential	60	50	45	49	52	49	49	51	46	49	53	49	50	53	49	50	1.0	No
R2541	GF	W	294419.5	1247310.7	Residential	60	47	42	46	48	45	46	48	43	46	50	46	48	49	45	47	1.0	No
R2541	F 1	W	294419.5	1247310.7	Residential	60	50	44	48	51	47	48	50	46	48	53	49	50	52	48	50	1.0	No
R2542	GF	W	294419.8	1247601.6	Residential	60	48	43	46	49	46	46	48	44	47	51	47	48	50	46	48	0.8	No
R2542	F 1	W	294419.8	1247601.6	Residential	60	50	45	48	51	48	48	51	46	49	53	49	50	52	48	49	0.7	No
R2543	GF	S	294429.0	1247176.1	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2543	F 1	S	294429.0	1247176.1	Residential	60	50	45	49	52	49	49	50	45	49	53	49	50	53	49	50	0.9	No
R2544	GF	W	294420.6	1247333.1	Residential	60	46	41	45	48	44	45	47	42	45	49	45	46	49	45	46	1.0	No
R2544	F 1	W	294420.6	1247333.1	Residential	60	49	44	47	50	47	47	49	45	47	52	48	49	51	47	49	0.9	No
R2545	GF	W	294421.7	1247662.5	Residential	60	47	42	46	49	45	46	47	43	46	50	46	47	49	45	47	0.8	No
R2548	GF	S	294431.0	1247836.1	Residential	60	44	39	42	45	42	42	48	42	46	50	46	48	46	42	45	1.4	No
R2549	GF	NW	294430.6	1245985.8	Active recreation	65	43	38	42	45	41	42	44	39	42	46	42	43	45	41	43	0.9	No
R2550	GF	W	294426.6	1247646.0	Residential	60	47	42	46	48	45	46	47	43	46	50	46	47	49	45	47	0.9	No
R2551	GF	N	294436.2	1247984.6	Residential	60	45	38	44	46	42	44	45	39	44	47	42	46	47	42	46	1.3	No
R2551	F 1	N	294436.2	1247984.6	Residential	60	46	39	44	47	42	44	46	39	45	48	43	47	48	43	47	1.6	No
R2551	F 2	N	294436.2	1247984.6	Residential	60	46	39	45	47	43	45	46	40	45	48	43	47	48	43	47	1.4	No
R2552	GF	S	294431.0	1247716.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	44	47	43	44	0.9	No
R2553	GF	W	294431.6	1247373.7	Residential	60	45	40	44	47	43	44	46	41	44	48	44	46	48	44	45	1.1	No
R2555	GF	W	294427.3	1247702.8	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	46	0.9	No
R2556	GF	NW	294460.7	1246518.5	Industrial	n/a	47	41	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R2556	F 1	NW	294460.7	1246518.5	Industrial	n/a	48	43	47	50	46	47	48	44	47	51	47	48	50	46	48	0.8	No
R2557	GF	W	294427.9	1247617.1	Residential	60	47	41	45	48	44	45	47	43	45	50	46	47	49	45	47	1.0	No
R2561	GF	W	294432.7	1247679.2	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R2562	GF	N	294444.6	1247214.0	Residential	60	41	36	40	42	39	40	42	37	40	44	40	41	43	39	41	0.9	No
R2562	F 1	N	294444.6	1247214.0	Residential	60	46	40	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2563	GF	S	294439.8	1247249.3	Residential	60	48	43	47	50	46	47	48	43	47	51	47	48	50	46	48	0.9	No
R2563	F 1	S	294439.8	1247249.3	Residential	60	49	44	48	50	47	48	50	45	48	52	48	50	51	47	49	0.9	No
R2564	GF	N	294443.7	1247338.0	Residential	60	43	38	42	45	41	42	44	39	42	46	43	44	46	42	43	1.1	No
R2564	F 1	N	294443.7	1247338.0	Residential	60	45	39	43	46	42	43	46	42	44	49	45	46	47	43	45	1.2	No
R2565	GF	W	294435.2	1247400.3	Residential	60	46	40	44	47	43	44	46	41	44	48	45	46	48	44	45	0.9	No
R2566	GF	N	294458.9	1247871.9	Residential	60	40	35	39	41	38	38	40	35	38	42	38	40	42	38	40	0.8	No
R2566	F 1	N	294458.9	1247871.9	Residential	60	41	36	40	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R2566	F 2	N	294458.9	1247871.9	Residential	60	42	36	40	43	39	41	42	36	40	44	39	42	44	39	42	0.9	No
R2566	F 3	N	294458.9	1247871.9	Residential	60	44	38	43	45	41	43	44	38	42	46	41	44	46	41	44	1.1	No
R2567	GF	W	294437.3	1247916.8	Residential	60	40	35	38	41	39	38	40	35	38	42	39	40	42	39	40	0.8	No
R2567	F 1	W	294437.3	1247916.8	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.7	No
R2568	GF	W	294438.0	1247416.1	Residential	60	46	41	44	47	44	45	47	42	45	49	46	47	48	44	46	1.0	No
R2570	GF	S	294444.4	1247944.2	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R2570	F 1	S	294444.4	1247944.2	Residential	60	42	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.7	No
R2571	GF	S	294446.8	1247713.7	Residential	60	44	39	42	45	42	43	44	40	42	47	43	44	46	42	44	0.8	No
R2571	F 1	S	294446.8	1247713.7	Residential	60	49	44	47	50	47	47	49	45	47	52	48	49	51	47	49	1.0	No
R2572	GF	W	294439.9	1247729.3	Residential	60	44	39	43	45	42	43	45	41	44	48	44	45	46	42	44	0.8	No
R2572	F 1	W	294439.9	1247729.3	Residential	60	48	43	46	49	46	46	49	44	47	51	48	49	50	46	48	0.9	No
R2573	GF	S	294448.5	1247367.8	Residential	60	43	37	41	44	40	41	43	38	41	45	41	43	45	41	42	0.9	No
R2575	GF	S	294453.6	1247752.3	Residential	60	43	38	41	44	41	41	44	39	42	46	43	43	45	41	43	0.7	No
R2575	F 1	S	294453.6	1247752.3	Residential	60	45	41	43	47	44	43	46	42	44	48	45	46	47	44	45	0.8	No
R2575	F 2	S	294453.6	1247752.3	Residential	60	49	44	47	50	47	47	50	45	48	52	49	49	51	47	48	0.8	No
R2575	F 3	S	294453.6	1247752.3	Residential	60	49	44	48	51	47	48	51	47	49	53	50	51	52	48	49	0.9	No
R2576	GF	NE	294450.4	1245972.3	Active recreation	65	42	37	41	44	41	41	43	38	41	45	41	42	45	41	42	0.9	No
R2578	GF	N	294460.0	1247800.2	Residential	60	41	36	40	43	39	40	46	40	45	48	44	47	44	39	43	1.6	No
R2578	F 1	N	294460.0	1247800.2	Residential	60	43	38	42	44	41	41	48	42	46	50	45	48	46	41	44	1.6	No
R2578	F 2	N	294460.0	1247800.2	Residential	60	44	39	42	45	42	42	48	42	47	50	45	48	47	42	45	1.5	No
R2578	F 3	N	294460.0	1247800.2	Residential	60	45	39	43	46	42	43	48	42	47	50	46	49	47	43	46	1.5	No
R2579	GF	W	294444.4	1247850.2	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.7	No
R2580	GF	W	294445.5	1247456.7	Residential	60	46	40	44	47	43	44	47	42	45	49	45	47	48	44	46	1.2	No
R2581	GF	N	294454.2	1247989.3	Residential	60	44	38	43	45	41	43	44	38	43	46	41	45	46	41	45	1.3	No
R2581	F 1	N	294454.2	1247989.3	Residential	60	45	39	44	46	42	44	46	39	44	48	42	46	48	42	46	1.4	No
R2583	GF	W	294447.9	1247478.1	Residential	60	46	41	45	48	44	45	47	43	45	49	46	47	49	45	46	1.0	No
R2584	GF	N	294451.2	1245997.1	Active recreation	65	44	39	43	46	42	43	44	39	43	47	42	44	46	42	44	0.8	No
R2586	GF	S	294459.7	1247168.3	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2586	F 1	S	294459.7	1247168.3	Residential	60	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2587	GF	N	294459.3	1247332.5	Residential	60	42	37	41	44	40	41	43	38	41	45	42	43	45	41	42	1.0	No
R2587	F 1	N	294459.3	1247332.5	Residential	60	44	39	43	45	42	43	46	41	44	48	44	45	47	42	44	1.1	No
R2589	GF	S	294457.3	1247244.3	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2590	GF	E	294474.4	1247846.7	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R2592	GF	W	294452.9	1247497.1	Residential	60	46	41	45	47	44	45	47	42	45	49	46	47	48	44	46	1.0	No
R2592	F 1	W	294452.9	1247497.1	Residential	60	48	43	47	49	46	47	49	45	47	52	48	49	50	46	48	1.0	No
R2594	GF	W	294453.1	1247928.8	Residential	60	40	35	38	42	39	38	40	35	38	42	39	40	42	39	40	0.8	No
R2594	F 1	W	294453.1	1247928.8	Residential	60	43	37	41	44	40	41	42	37	40	44	40	42	45	40	42	0.6	No
R2594	F 2	W	294453.1	1247928.8	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	47	42	45	0.9	No
R2595	GF	S	294463.5	1247828.5	Residential	60	43	37	41	44	40	41	47	41	45	49	44	47	45	40	43	1.4	No
R2599	GF	W	294456.3	1247199.9	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R2599	F 1	W	294456.3	1247199.9	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R2601	GF	W	294457.3	1247958.2	Residential	60	40	35	38	42	39	39	40	35	38	43	39	40	43	39	40	0.8	No
R2601	F 1	W	294457.3	1247958.2	Residential	60	43	37	41	44	41	41	42	37	41	45	41	42	45	41	43	0.8	No
R2603	GF	N	294466.9	1247379.2	Residential	60	42	37	41	44	41	41	43	39	41	46	42	43	45	41	42	1.1	No
R2603	F 1	N	294466.9	1247379.2	Residential	60	46	40	44	47	43	44	47	42	45	49	46	47	48	43	45	1.0	No
R2607	GF	W	294459.4	1247514.4	Residential	60	46	41	45	47	44	45	47	42	45	49	46	47	48	44	46	1.0	No
R2607	F 1	W	294459.4	1247514.4	Residential	60	48	43	47	49	46	47	50	45	48	52	48	49	50	46	48	1.1	No
R2607	F 2	W	294459.4	1247514.4	Residential	60	50	45	49	51	48	49	51	47	49	54	50	51	52	48	50	0.9	No
R2609	GF	W	294461.0	1247553.9	Residential	60	46	41	45	47	44	45	46	42	45	49	45	46	48	44	46	0.9	No
R2609	F 1	W	294461.0	1247553.9	Residential	60	49	43	47	50	46	47	49	45	47	51	48	49	51	47	48	0.8	No
R2609	F 2	W	294461.0	1247553.9	Residential	60	50	45	48	51	48	48	51	47	49	53	50	51	52	48	50	0.8	No
R2611	GF	N	294470.2	1247413.5	Residential	60	44	38	42	45	41	42	44	40	42	47	43	44	46	42	44	1.1	No
R2612	GF	W	294462.6	1247941.9	Residential	60	40	35	38	41	38	38	40	35	38	42	38	39	42	38	39	0.6	No
R2612	F 1	W	294462.6	1247941.9	Residential	60	42	36	40	43	40	40	41	36	39	44	40	41	44	40	41	0.7	No
R2613	GF	N	294466.5	1247991.3	Residential	60	42	37	41	44	40	41	42	37	41	45	41	42	45	41	42	0.9	No
R2613	F 1	N	294466.5	1247991.3	Residential	60	45	39	43	46	42	43	44	39	43	47	42	45	47	42	45	1.1	No
R2614	GF	S	294473.9	1247241.6	Residential	60	45	40	43	46	43	44	45	40	43	48	44	45	47	43	45	0.8	No
R2615	GF	W	294464.9	1247575.7	Residential	60	47	42	45	48	45	45	47	43	45	49	46	47	49	45	46	0.8	No
R2615	F 1	W	294464.9	1247575.7	Residential	60	49	44	47	50	47	47	50	46	48	52	49	50	51	47	49	0.8	No
R2616	GF	W	294465.0	1247880.1	Residential	60	41	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.7	No
R2618	GF	S	294474.4	1247314.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R2618	F 1	S	294474.4	1247314.7	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R2619	GF	W	294465.7	1247894.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.8	No
R2622	GF	N	294471.1	1247457.7	Residential	60	44	39	43	45	42	43	45	40	43	47	44	45	47	43	44	1.1	No
R2624	GF	W	294467.4	1247532.2	Residential	60	46	40	44	47	43	44	46	42	44	49	45	46	48	44	46	1.0	No
R2625	GF	S	294476.6	1247276.0	Residential	60	44	39	42	45	42	42	44	40	43	47	43	44	46	42	44	1.0	No
R2625	F 1	S	294476.6	1247276.0	Residential	60	48	43	47	49	46	46	49	44	47	51	47	48	50	46	48	1.0	No
R2628	GF	W	294474.6	1247608.9	Residential	60	47	42	45	48	45	45	47	43	45	50	46	47	49	45	47	0.8	No
R2628	F 1	W	294474.6	1247608.9	Residential	60	49	44	47	50	47	47	50	45	48	52	49	49	51	47	49	0.9	No
R2629	GF	W	294472.2	1247594.3	Residential	60	46	41	44	47	44	44	46	41	44	48	45	46	48	44	46	0.8	No
R2629	F 1	W	294472.2	1247594.3	Residential	60	48	43	47	50	46	47	49	44	47	51	48	49	50	47	48	0.8	No
R2631	GF	W	294473.5	1247629.5	Residential	60	46	41	44	47	44	44	47	42	45	49	45	46	48	45	46	1.0	No
R2631	F 1	W	294473.5	1247629.5	Residential	60	48	43	47	50	46	47	49	45	47	52	48	49	51	47	48	1.0	No
R2632	GF	N	294482.0	1247992.9	Residential	60	43	37	42	44	40	42	43	37	42	45	40	43	45	40	44	1.0	No
R2632	F 1	N	294482.0	1247992.9	Residential	60	44	38	43	45	41	43	44	38	43	46	41	45	46	41	45	1.1	No
R2633	GF	N	294482.9	1247378.6	Residential	60	43	38	42	44	41	42	44	39	42	46	43	44	45	41	43	1.0	No
R2635	GF	W	294474.2	1247457.1	Residential	60	44	39	42	45	42	42	44	40	42	47	43	44	46	42	44	1.0	No
R2637	GF	N	294483.9	1247411.4	Residential	60	44	39	43	45	42	43	45	41	43	47	44	45	46	42	44	1.0	No
R2638	GF	NW	294486.6	1246034.9	Active recreation	65	45	39	43	46	42	43	45	40	43	47	43	45	47	42	45	0.9	No
R2640	GF	S	294477.1	1247439.0	Residential	60	45	40	43	46	43	43	46	41	44	48	44	46	47	43	45	1.0	No
R2642	GF	W	294478.9	1247657.5	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	45	1.1	No
R2643	GF	W	294479.7	1247469.5	Residential	60	44	39	43	46	42	43	45	41	43	47	44	45	47	43	44	1.0	No
R2643	F 1	W	294479.7	1247469.5	Residential	60	47	42	46	48	45	46	48	44	46	51	47	48	49	45	47	1.0	No
R2644	GF	S	294485.8	1247240.6	Residential	60	44	39	43	46	42	43	44	40	43	47	43	44	47	42	44	0.9	No
R2646	GF	W	294482.7	1247673.9	Residential	60	46	41	44	47	44	44	46	42	45	49	45	46	48	44	46	1.0	No
R2649	GF	W	294482.9	1247643.6	Residential	60	45	40	43	46	43	43	46	41	44	48	44	46	47	43	45	1.0	No
R2649	F 1	W	294482.9	1247643.6	Residential	60	47	41	45	48	44	45	48	43	46	50	46	48	49	45	47	1.2	No
R2650	GF	N	294484.6	1247959.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R2650	F 1	N	294484.6	1247959.3	Residential	60	42	36	40	43	39	40	41	36	40	43	39	41	44	39	41	0.7	No
R2652	GF	S	294486.8	1247692.8	Residential	60	46	41	45	47	44	44	47	43	45	49	46	47	49	45	46	1.1	No
R2653	GF	NE	294489.8	1245961.0	Active recreation	65	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R2654	GF	W	294486.3	1247992.9	Residential	60	43	37	41	44	41	41	43	37	41	45	41	43	45	41	43	1.0	No
R2654	F 1	W	294486.3	1247992.9	Residential	60	44	39	43	45	42	43	44	39	43	46	42	45	46	42	45	1.0	No
R2656	GF	W	294488.0	1247715.7	Residential	60	45	41	44	47	44	44	46	41	44	48	44	45	48	44	45	0.8	No
R2659	GF	NW	294489.9	1245992.3	Active recreation	65	42	36	40	43	39	40	41	36	40	44	39	41	44	39	41	0.8	No
R2660	GF	S	294494.6	1247962.1	Residential	60	39	34	38	41	38	38	39	34	37	41	38	39	42	38	39	0.9	No
R2660	F 1	S	294494.6	1247962.1	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	42	0.9	No
R2662	GF	N	294499.9	1247408.4	Residential	60	44	39	42	45	42	42	45	40	43	47	43	45	46	42	44	1.0	No
R2663	GF	NW	294493.1	1247340.0	Residential	60	43	38	42	44	41	42	44	39	42	46	42	43	45	41	43	1.0	No
R2665	GF	NW	294492.8	1246422.5	Active recreation	65	44	38	42	45	41	42	43	38	42	46	41	44	46	41	44	1.0	No
R2667	GF	SW	294495.7	1247747.1	Residential	60	45	40	43	46	43	43	45	41	43	48	44	45	47	43	45	0.9	No
R2667	F 1	SW	294495.7	1247747.1	Residential	60	47	42	46	49	46	46	48	44	46	50	47	48	50	46	47	1.0	No
R2670	GF	S	294504.4	1247191.6	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R2670	F 1	S	294504.4	1247191.6	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R2671	GF	W	294496.7	1247354.2	Residential	60	43	38	42	45	41	42	44	39	42	46	42	44	46	41	43	0.9	No
R2671	F 1	W	294496.7	1247354.2	Residential	60	47	42	45	48	44	45	48	43	46	50	46	48	49	45	47	1.0	No
R2672	GF	S	294505.2	1247441.1	Residential	60	44	38	42	45	41	42	44	39	42	46	43	44	46	42	43	1.0	No
R2672	F 1	S	294505.2	1247441.1	Residential	60	47	42	46	48	45	45	48	44	46	51	47	48	49	45	47	1.0	No
R2673	GF	NW	294498.1	1245969.1	Active recreation	65	43	37	41	44	40	41	42	38	41	45	41	42	45	41	42	0.8	No
R2675	GF	S	294502.8	1247773.6	Residential	60	43	39	42	45	42	42	43	39	42	46	42	43	46	42	43	1.0	No
R2676	GF	E	294504.3	1245977.7	Active recreation	65	37	31	35	38	35	35	36	31	35	39	35	36	39	35	36	0.8	No
R2678	GF	W	294500.1	1247240.6	Residential	60	44	38	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R2678	F 1	W	294500.1	1247240.6	Residential	60	48	43	47	49	46	47	48	43	47	51	47	48	50	46	48	0.9	No
R2681	GF	S	294508.7	1247702.9	Residential	60	43	38	41	45	42	41	43	39	41	46	42	43	45	42	43	0.9	No
R2681	F 1	S	294508.7	1247702.9	Residential	60	48	43	46	49	46	46	48	44	46	51	47	48	50	46	47	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2682	GF	W	294501.4	1247792.7	Residential	60	44	39	42	45	42	42	47	41	45	49	44	47	46	42	44	1.2	No
R2682	F 1	W	294501.4	1247792.7	Residential	60	46	41	45	47	44	45	48	43	47	50	46	48	48	44	46	1.0	No
R2685	GF	W	294503.6	1247808.9	Residential	60	44	39	42	45	42	42	47	41	45	49	45	47	46	42	44	1.3	No
R2685	F 1	W	294503.6	1247808.9	Residential	60	46	41	44	47	44	44	48	43	47	50	46	48	48	44	46	1.2	No
R2686	GF	W	294504.7	1247272.8	Residential	60	43	38	42	45	41	42	43	38	41	45	42	43	46	41	43	0.9	No
R2686	F 1	W	294504.7	1247272.8	Residential	60	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R2687	GF	W	294504.7	1247822.9	Residential	60	44	39	42	45	42	42	46	41	45	48	44	46	46	42	44	1.3	No
R2687	F 1	W	294504.7	1247822.9	Residential	60	46	40	44	47	44	44	48	42	46	50	45	48	48	44	46	1.2	No
R2687	F 2	W	294504.7	1247822.9	Residential	60	47	41	45	48	44	45	48	43	47	50	46	48	49	44	47	1.0	No
R2689	GF	W	294506.1	1247838.1	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2689	F 1	W	294506.1	1247838.1	Residential	60	45	40	43	46	43	43	46	41	44	48	44	46	47	43	45	1.0	No
R2689	F 2	W	294506.1	1247838.1	Residential	60	46	41	44	47	44	44	47	42	45	49	45	47	48	44	46	1.0	No
R2691	GF	W	294506.8	1247256.0	Residential	60	43	37	41	44	41	41	42	37	40	45	41	42	45	41	42	0.8	No
R2691	F 1	W	294506.8	1247256.0	Residential	60	47	42	46	49	45	46	47	42	45	50	46	47	49	45	47	0.9	No
R2693	GF	SW	294522.2	1245945.7	Active recreation	65	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.8	No
R2694	GF	W	294508.3	1246579.1	Industrial	n/a	49	44	47	50	47	47	49	44	47	51	47	49	51	47	49	0.9	No
R2696	GF	S	294514.4	1247877.3	Educational institute	55	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2697	GF	W	294510.8	1247634.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2698	GF	W	294510.9	1247852.5	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2698	F 1	W	294510.9	1247852.5	Residential	60	43	38	42	44	41	42	43	39	42	46	42	43	45	41	43	0.8	No
R2698	F 2	W	294510.9	1247852.5	Residential	60	45	39	43	46	42	43	45	41	44	48	44	45	47	43	44	0.9	No
R2699	GF	N	294514.1	1247404.6	Residential	60	44	38	42	45	41	42	44	40	42	47	43	44	46	42	43	0.9	No
R2699	F 1	N	294514.1	1247404.6	Residential	60	46	40	44	47	43	44	47	42	45	49	46	46	48	44	45	1.0	No
R2700	GF	S	294515.5	1247522.4	Residential	60	44	38	42	45	42	42	44	39	42	46	42	44	46	42	43	0.8	No
R2701	GF	W	294512.5	1247303.0	Residential	60	44	38	42	45	42	42	43	38	42	46	42	44	46	42	44	0.9	No
R2701	F 1	W	294512.5	1247303.0	Residential	60	47	42	46	49	45	46	47	43	46	50	46	47	49	46	47	0.9	No
R2702	GF	NW	294515.3	1246441.6	Active recreation	65	44	38	42	45	41	42	44	39	42	46	42	44	46	41	44	0.9	No
R2703	GF	W	294513.3	1247286.9	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	42	0.8	No
R2703	F 1	W	294513.3	1247286.9	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2704	GF	W	294514.5	1247319.0	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.8	No
R2704	F 1	W	294514.5	1247319.0	Residential	60	47	42	46	49	45	46	48	43	46	50	46	48	50	46	47	0.9	No
R2706	GF	W	294514.8	1247912.4	Educational institute	55	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2706	F 1	W	294514.8	1247912.4	Educational institute	55	42	36	40	43	39	40	41	36	40	44	40	41	44	40	42	1.1	No
R2706	F 2	W	294514.8	1247912.4	Educational institute	55	43	38	42	44	41	42	43	38	42	45	41	43	45	41	43	1.2	No
R2708	GF	W	294515.3	1247335.2	Residential	60	43	38	42	44	41	42	43	38	41	45	41	43	45	41	43	0.8	No
R2708	F 1	W	294515.3	1247335.2	Residential	60	48	43	47	49	46	47	49	44	47	51	47	48	50	46	48	1.0	No
R2709	GF	NW	294522.6	1246069.5	Active recreation	65	45	39	43	46	42	43	45	40	43	47	43	45	47	42	45	0.9	No
R2709	F 1	NW	294522.6	1246069.5	Active recreation	65	46	40	44	47	43	44	46	41	44	48	44	46	48	43	46	0.8	No
R2711	GF	W	294519.1	1247350.8	Residential	60	43	38	42	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2711	F 1	W	294519.1	1247350.8	Residential	60	48	42	46	49	45	46	48	44	47	51	47	48	50	46	48	1.1	No
R2715	GF	S	294524.2	1247437.7	Residential	60	44	39	43	45	42	43	45	40	43	47	43	45	46	42	44	1.0	No
R2716	GF	W	294521.5	1247365.9	Residential	60	44	39	43	46	42	43	45	40	43	47	44	45	46	43	44	0.9	No
R2716	F 1	W	294521.5	1247365.9	Residential	60	48	42	46	49	45	46	48	44	46	51	47	48	50	45	47	0.9	No
R2717	GF	S	294533.0	1247696.4	Residential	60	44	39	42	45	42	42	44	40	42	47	43	44	46	42	44	1.1	No
R2717	F 1	S	294533.0	1247696.4	Residential	60	47	42	45	48	45	45	48	43	45	50	46	47	49	45	46	0.9	No
R2718	GF	S	294525.4	1247108.9	Commercial	n/a	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	0.9	No
R2718	F 1	S	294525.4	1247108.9	Commercial	n/a	51	46	49	52	49	49	51	46	49	53	49	51	53	49	51	0.9	No
R2719	GF	S	294527.9	1247742.6	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	42	1.0	No
R2719	F 1	S	294527.9	1247742.6	Residential	60	47	42	45	48	45	45	47	43	45	49	46	47	49	45	46	1.0	No
R2719	F 2	S	294527.9	1247742.6	Residential	60	49	44	47	50	47	47	50	45	48	52	49	49	51	47	48	0.9	No
R2720	GF	S	294526.7	1247645.2	Residential	60	44	39	42	45	42	42	44	39	42	46	43	44	46	42	44	0.9	No
R2723	GF	N	294537.1	1247405.1	Residential	60	43	38	41	44	40	41	44	40	42	46	43	44	45	41	43	1.1	No
R2723	F 1	N	294537.1	1247405.1	Residential	60	44	38	42	45	41	42	45	41	43	48	44	45	46	42	43	1.0	No
R2724	GF	W	294527.3	1247901.5	Educational institute	55	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.9	No
R2725	GF	W	294527.4	1247381.5	Residential	60	43	38	42	44	41	42	44	39	42	46	42	44	45	42	43	1.0	No
R2725	F 1	W	294527.4	1247381.5	Residential	60	47	41	45	48	44	45	48	43	46	50	46	47	49	45	46	1.0	No
R2726	GF	S	294530.6	1247435.2	Residential	60	44	39	42	45	42	42	45	40	43	47	43	45	46	42	44	1.0	No
R2728	GF	W	294528.9	1247464.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R2731	GF	S	294536.7	1247546.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.8	No
R2734	GF	W	294535.3	1247481.3	Residential	60	43	38	42	44	41	42	43	39	41	46	42	43	45	41	43	0.8	No
R2734	F 1	W	294535.3	1247481.3	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	45	1.0	No
R2734	F 2	W	294535.3	1247481.3	Residential	60	48	43	47	49	46	47	49	45	47	52	48	49	50	46	48	0.8	No
R2735	GF	W	294536.9	1247495.1	Residential	60	43	37	41	44	41	41	43	38	41	45	41	42	45	41	42	0.8	No
R2736	GF	S	294542.6	1247570.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R2738	GF	S	294543.4	1247740.7	Residential	60	42	37	40	43	41	40	42	38	40	45	41	42	44	41	42	0.9	No
R2738	F 1	S	294543.4	1247740.7	Residential	60	45	40	43	46	43	43	46	41	44	48	45	46	47	44	45	1.1	No
R2740	GF	W	294538.9	1246999.1	Commercial	n/a	50	45	48	51	48	48	50	45	48	52	48	49	52	48	50	0.9	No
R2740	F 1	W	294538.9	1246999.1	Commercial	n/a	50	45	48	51	48	48	50	45	48	52	48	50	52	48	50	0.9	No
R2741	GF	NW	294551.6	1245974.1	Active recreation	65	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.8	No
R2742	GF	S	294544.9	1247432.8	Residential	60	43	38	41	44	41	41	44	40	42	47	43	44	45	41	43	1.1	No
R2743	GF	W	294540.4	1247669.3	Residential	60	44	40	43	46	43	43	45	40	43	47	43	44	47	43	44	1.0	No
R2744	GF	W	294541.5	1247506.7	Residential	60	43	38	42	44	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R2745	GF	W	294541.7	1247539.2	Residential	60	45	40	43	46	43	43	45	41	43	48	44	45	47	43	45	0.9	No
R2745	F 1	W	294541.7	1247539.2	Residential	60	47	42	45	48	45	45	48	43	46	50	46	47	49	45	47	0.8	No
R2747	GF	W	294543.9	1247522.8	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R2747	F 1	W	294543.9	1247522.8	Residential	60	46	41	45	47	44	45	47	43	45	49	46	47	48	45	46	1.0	No
R2747	F 2	W	294543.9	1247522.8	Residential	60	48	43	47	50	46	47	49	45	47	52	48	49	50	47	48	0.8	No
R2749	GF	S	294550.2	1247705.1	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R2751	GF	W	294546.1	1247992.8	Educational institute	55	42	36	40	43	40	40	41	36	40	44	40	41	44	39	42	0.7	No
R2751	F 1	W	294546.1	1247992.8	Educational institute	55	43	38	42	44	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R2752	GF	S	294552.2	1247228.5	Residential	60	44	38	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R2752	F 1	S	294552.2	1247228.5	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2754	GF	W	294548.8	1247575.9	Residential	60	43	39	42	45	42	42	43	39	42	46	42	43	46	42	43	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2754	F 1	W	294548.8	1247575.9	Residential	60	47	42	45	48	45	45	47	43	45	49	46	47	49	45	46	0.9	No
R2755	GF	NW	294548.8	1246448.3	Active recreation	65	47	41	45	48	45	45	47	42	45	49	45	47	49	45	46	0.8	No
R2758	GF	W	294552.7	1247565.4	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2759	GF	W	294552.8	1245998.1	Active recreation	65	43	37	41	44	40	41	43	37	41	45	41	43	45	41	43	0.9	No
R2760	GF	S	294560.6	1247739.2	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	42	1.0	No
R2760	F 1	S	294560.6	1247739.2	Residential	60	45	40	44	47	44	44	46	42	44	48	45	46	48	44	45	1.0	No
R2762	GF	S	294595.2	1247082.2	Commercial	n/a	48	43	46	49	46	46	48	43	46	50	46	48	50	46	48	0.9	No
R2766	GF	W	294555.6	1247768.5	Residential	60	41	36	40	42	39	40	41	36	39	43	40	41	43	39	41	0.8	No
R2767	GF	W	294555.6	1247267.2	Residential	60	43	38	42	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2767	F 1	W	294555.6	1247267.2	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2768	GF	NW	294556.2	1246486.5	Active recreation	65	47	42	46	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R2771	GF	W	294558.2	1247285.2	Residential	60	42	37	41	43	40	41	42	37	40	44	40	42	44	40	42	1.0	No
R2771	F 1	W	294558.2	1247285.2	Residential	60	45	40	43	46	43	44	45	40	43	47	43	45	47	43	45	0.8	No
R2772	GF	W	294559.5	1247612.9	Residential	60	45	40	43	46	43	43	45	40	43	47	44	45	47	43	44	1.0	No
R2772	F 1	W	294559.5	1247612.9	Residential	60	47	42	45	48	45	45	48	43	46	50	46	47	49	45	47	1.0	No
R2773	GF	S	294566.1	1247226.4	Residential	60	45	40	44	47	43	44	45	40	44	48	44	45	48	44	45	0.9	No
R2774	GF	W	294560.1	1247554.3	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	43	0.9	No
R2776	GF	W	294561.4	1247301.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R2778	GF	W	294564.0	1247859.1	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2779	GF	W	294564.7	1247600.5	Residential	60	44	39	42	45	42	42	44	39	42	46	43	44	46	42	43	1.0	No
R2782	GF	W	294567.3	1247635.0	Residential	60	45	40	43	46	43	43	45	41	43	48	44	45	47	44	45	1.1	No
R2782	F 1	W	294567.3	1247635.0	Residential	60	47	42	46	48	45	46	48	43	46	50	47	48	49	46	47	1.0	No
R2785	GF	W	294569.0	1247321.7	Residential	60	43	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.8	No
R2786	GF	W	294569.1	1247677.7	Residential	60	45	40	44	46	43	44	46	41	44	48	44	46	47	44	45	1.0	No
R2786	F 1	W	294569.1	1247677.7	Residential	60	48	42	46	49	45	46	48	44	46	50	47	48	50	46	47	0.8	No
R2787	GF	W	294569.7	1247338.2	Residential	60	43	37	41	44	41	41	42	37	41	45	41	42	45	40	42	0.8	No
R2788	GF	W	294570.4	1247657.8	Residential	60	45	40	44	47	44	44	46	41	44	48	44	46	48	44	45	1.0	No
R2788	F 1	W	294570.4	1247657.8	Residential	60	48	43	46	49	46	46	48	44	46	51	47	48	50	46	47	0.9	No
R2788	F 2	W	294570.4	1247657.8	Residential	60	49	44	47	50	47	47	50	45	48	52	49	49	51	47	49	1.0	No
R2790	GF	W	294571.2	1247356.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R2791	GF	W	294571.6	1247905.5	Educational institute	55	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2791	F 1	W	294571.6	1247905.5	Educational institute	55	42	36	40	43	39	40	41	36	40	44	40	41	44	39	42	0.9	No
R2794	GF	W	294575.6	1247384.8	Residential	60	43	38	42	44	41	42	44	39	42	46	42	44	45	41	43	1.0	No
R2795	GF	S	294576.0	1247739.8	Residential	60	43	39	42	45	42	42	43	39	41	46	42	43	46	42	43	0.8	No
R2795	F 1	S	294576.0	1247739.8	Residential	60	46	42	44	48	45	45	47	42	44	49	45	46	49	45	46	0.9	No
R2796	GF	S	294580.5	1247225.2	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R2796	F 1	S	294580.5	1247225.2	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	0.9	No
R2798	GF	W	294578.4	1247693.2	Residential	60	43	38	41	44	41	41	43	39	41	46	42	43	45	41	43	1.1	No
R2798	F 1	W	294578.4	1247693.2	Residential	60	45	40	44	47	43	44	46	42	44	48	45	46	48	44	45	1.0	No
R2800	GF	W	294578.9	1247894.2	Educational institute	55	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.8	No
R2800	F 1	W	294578.9	1247894.2	Educational institute	55	42	36	41	43	40	41	42	37	40	44	40	42	44	40	42	0.8	No
R2803	GF	W	294582.2	1247707.0	Residential	60	44	39	43	45	42	43	45	40	43	47	43	45	46	43	44	1.0	No
R2804	GF	W	294582.7	1247433.4	Residential	60	44	39	42	45	42	42	45	40	43	47	43	45	46	42	44	1.1	No
R2804	F 1	W	294582.7	1247433.4	Residential	60	46	41	45	48	44	45	47	43	45	50	46	47	49	45	46	1.0	No
R2806	GF	W	294586.4	1247734.8	Residential	60	45	40	43	46	43	43	45	41	43	48	44	45	47	44	45	0.9	No
R2806	F 1	W	294586.4	1247734.8	Residential	60	47	42	46	49	46	46	48	44	46	50	47	48	50	46	47	0.9	No
R2807	GF	W	294587.2	1247837.5	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.9	No
R2807	F 1	W	294587.2	1247837.5	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	43	1.1	No
R2809	GF	N	294598.6	1247392.3	Residential	60	42	37	40	43	40	40	43	38	41	45	41	42	44	40	41	1.1	No
R2810	GF	W	294588.4	1247960.9	Educational institute	55	41	35	39	42	39	39	40	35	39	43	39	40	43	39	41	0.8	No
R2810	F 1	W	294588.4	1247960.9	Educational institute	55	42	36	40	43	40	40	41	37	40	44	40	41	44	40	42	0.8	No
R2811	GF	W	294588.8	1247470.5	Residential	60	43	38	42	45	41	42	44	39	42	46	42	44	46	42	43	0.9	No
R2812	GF	W	294589.1	1247449.7	Residential	60	44	39	42	45	42	42	44	40	43	47	43	44	46	42	44	1.0	No
R2812	F 1	W	294589.1	1247449.7	Residential	60	47	42	45	48	45	45	48	43	46	50	46	47	49	45	46	0.9	No
R2812	F 2	W	294589.1	1247449.7	Residential	60	48	43	47	50	46	47	49	45	47	52	48	49	50	46	48	0.9	No
R2813	GF	W	294603.5	1245982.0	Active recreation	65	44	38	42	45	41	42	44	39	42	46	42	44	46	42	44	0.9	No
R2813	F 1	W	294603.5	1245982.0	Active recreation	65	45	39	43	46	42	43	45	40	43	47	43	45	47	42	45	0.9	No
R2813	F 2	W	294603.5	1245982.0	Active recreation	65	45	40	44	47	43	44	46	40	44	48	43	46	47	43	45	0.9	No
R2813	F 3	W	294603.5	1245982.0	Active recreation	65	46	41	45	47	44	45	46	41	44	48	44	46	48	44	46	0.9	No
R2813	F 4	W	294603.5	1245982.0	Active recreation	65	46	41	45	47	44	45	46	41	45	49	44	47	48	44	46	1.0	No
R2814	GF	W	294590.1	1247916.1	Educational institute	55	38	33	37	40	36	37	38	33	37	41	37	38	41	37	38	0.9	No
R2814	F 1	W	294590.1	1247916.1	Educational institute	55	41	35	39	42	38	39	40	35	39	43	38	40	43	38	41	0.9	No
R2818	GF	S	294598.9	1247220.8	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	1.0	No
R2818	F 1	S	294598.9	1247220.8	Residential	60	47	42	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R2822	GF	W	294592.8	1247902.2	Educational institute	55	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R2822	F 1	W	294592.8	1247902.2	Educational institute	55	41	35	39	42	38	39	40	35	38	42	38	40	43	38	40	0.7	No
R2823	GF	W	294593.1	1247492.3	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	43	0.9	No
R2823	F 1	W	294593.1	1247492.3	Residential	60	45	40	44	47	44	44	46	41	44	48	45	46	48	44	45	0.9	No
R2824	GF	W	294593.2	1247936.9	Educational institute	55	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.9	No
R2824	F 1	W	294593.2	1247936.9	Educational institute	55	42	36	41	43	40	41	42	37	40	44	40	42	44	40	42	0.9	No
R2825	GF	W	294593.6	1247861.8	Residential	60	41	35	39	42	39	39	40	35	39	43	39	40	43	39	41	1.1	No
R2825	F 1	W	294593.6	1247861.8	Residential	60	43	37	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2827	GF	S	294624.0	1247291.5	Residential	60	46	41	44	47	44	45	46	41	44	48	44	46	48	44	46	0.8	No
R2829	GF	W	294597.4	1247512.9	Residential	60	42	37	40	43	40	40	42	37	40	44	41	42	44	40	42	0.9	No
R2829	F 1	W	294597.4	1247512.9	Residential	60	45	40	43	46	43	43	45	40	43	47	44	45	47	43	45	0.9	No
R2830	GF	W	294597.7	1247815.7	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.8	No
R2830	F 1	W	294597.7	1247815.7	Residential	60	44	38	42	45	42	42	44	39	42	46	42	44	46	42	43	1.0	No
R2830	F 2	W	294597.7	1247815.7	Residential	60	47	42	45	48	45	45	47	43	46	50	46	47	49	45	47	0.9	No
R2831	GF	W	294598.1	1247983.3	Educational institute	55	40	35	38	41	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2831	F 1	W	294598.1	1247983.3	Educational institute	55	42	36	40	43	39	40	41	36	39	43	39	41	44	39	41	0.9	No
R2832	GF	W	294598.6	1247884.4	Educational institute	55	40	34	38	41	38	38	39	35	38	42	38	39	42	38	40	1.1	No
R2832	F 1	W	294598.6	1247884.4	Educational institute	55	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.8	No
R2835	GF	W	294599.4	1247530.1	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	42	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2837	GF	W	294599.8	1247752.6	Residential	60	40	35	39	42	38	39	40	35	38	42	39	40	42	38	40	0.7	No
R2837	F 1	W	294599.8	1247752.6	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	42	1.0	No
R2841	GF	SW	294608.7	1247328.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R2842	GF	W	294602.8	1247775.6	Residential	60	42	37	40	43	40	40	41	37	40	44	40	41	44	40	41	0.7	No
R2842	F 1	W	294602.8	1247775.6	Residential	60	44	39	42	45	42	42	45	40	43	47	43	44	46	43	44	0.9	No
R2843	GF	W	294603.9	1247795.7	Residential	60	41	36	40	43	39	40	42	37	40	44	40	42	44	39	41	0.9	No
R2843	F 1	W	294603.9	1247795.7	Residential	60	44	39	42	45	42	42	45	39	43	47	43	45	46	42	44	1.2	No
R2844	GF	S	294613.8	1247419.5	Residential	60	43	38	41	44	41	41	43	39	42	46	42	43	45	41	43	0.9	No
R2845	GF	W	294605.9	1247367.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R2848	GF	W	294606.5	1247547.0	Residential	60	42	37	40	43	40	40	42	38	40	45	41	42	44	41	42	1.0	No
R2848	F 1	W	294606.5	1247547.0	Residential	60	45	40	44	46	43	44	46	41	44	48	44	46	48	44	45	1.1	No
R2850	GF	S	294614.6	1247218.0	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2851	GF	N	294616.9	1247389.7	Residential	60	41	36	39	42	39	39	42	38	40	44	41	42	43	40	41	1.0	No
R2851	F 1	N	294616.9	1247389.7	Residential	60	45	39	43	46	42	43	46	41	44	48	44	45	47	43	44	1.1	No
R2854	GF	W	294610.7	1247263.8	Residential	60	43	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R2855	GF	W	294611.6	1247591.5	Residential	60	43	38	41	44	41	41	43	39	41	46	42	43	45	42	43	1.1	No
R2855	F 1	W	294611.6	1247591.5	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	45	1.0	No
R2855	F 2	W	294611.6	1247591.5	Residential	60	48	43	46	49	46	46	49	45	47	51	48	49	50	46	48	1.0	No
R2857	GF	W	294613.0	1247613.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R2857	F 1	W	294613.0	1247613.5	Residential	60	47	42	45	48	45	45	47	43	45	49	46	47	49	45	46	0.9	No
R2862	GF	W	294622.7	1247894.8	Educational institute	55	39	33	37	40	37	37	38	33	36	41	37	38	41	37	39	0.8	No
R2862	F 1	W	294622.7	1247894.8	Educational institute	55	42	36	40	43	39	40	41	36	39	43	39	41	44	39	41	0.7	No
R2863	GF	W	294621.5	1247649.6	Residential	60	45	40	44	47	44	44	45	41	43	48	44	45	48	44	45	0.9	No
R2863	F 1	W	294621.5	1247649.6	Residential	60	48	43	46	49	46	46	48	44	46	50	47	48	50	46	47	0.9	No
R2865	GF	S	294630.3	1247215.8	Residential	60	45	40	44	47	44	44	45	40	44	48	44	45	48	44	45	0.9	No
R2865	F 1	S	294630.3	1247215.8	Residential	60	46	41	45	48	45	45	46	41	45	49	45	46	49	45	46	0.9	No
R2867	GF	W	294625.1	1247449.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R2868	GF	W	294626.3	1247692.5	Residential	60	44	39	43	46	42	43	45	40	43	47	43	44	47	43	44	1.0	No
R2868	F 1	W	294626.3	1247692.5	Residential	60	47	42	45	48	45	45	48	43	46	50	46	48	49	45	47	1.0	No
R2870	GF	NW	294628.6	1246569.3	Active recreation	65	47	42	46	49	46	46	47	42	46	50	46	47	50	46	47	0.9	No
R2871	GF	S	294635.4	1247372.5	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2873	GF	W	294629.8	1247669.5	Residential	60	45	40	43	46	43	43	45	41	43	48	44	45	47	44	45	1.0	No
R2873	F 1	W	294629.8	1247669.5	Residential	60	48	43	46	49	46	46	48	44	46	51	47	48	50	46	47	0.9	No
R2873	F 2	W	294629.8	1247669.5	Residential	60	48	43	46	49	46	46	49	45	47	51	48	49	50	46	48	0.9	No
R2878	GF	S	294641.1	1247415.3	Residential	60	42	37	40	43	40	40	42	37	40	44	41	42	44	40	42	0.8	No
R2878	F 1	S	294641.1	1247415.3	Residential	60	45	40	43	46	43	43	45	41	44	48	44	45	47	43	45	1.0	No
R2880	GF	W	294633.6	1247255.0	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R2880	F 1	W	294633.6	1247255.0	Residential	60	47	41	45	48	45	45	46	41	45	49	45	46	49	45	46	0.8	No
R2881	GF	S	294637.9	1247479.3	Residential	60	42	37	40	43	40	40	42	37	40	44	41	42	44	40	42	0.9	No
R2882	GF	W	294634.8	1247267.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2882	F 1	W	294634.8	1247267.2	Residential	60	47	41	45	48	45	45	47	42	45	49	45	47	49	45	47	1.0	No
R2883	GF	W	294635.2	1247544.6	Residential	60	42	37	40	43	40	40	43	38	41	45	41	42	45	41	42	1.1	No
R2883	F 1	W	294635.2	1247544.6	Residential	60	46	41	44	47	44	45	47	42	45	49	45	46	48	44	46	0.9	No
R2887	GF	W	294639.6	1247289.4	Residential	60	45	40	44	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2889	GF	S	294645.3	1247212.7	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2889	F 1	S	294645.3	1247212.7	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	46	0.9	No
R2890	GF	W	294643.2	1247307.6	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2891	GF	W	294643.3	1246209.3	Active recreation	65	43	38	42	44	41	42	43	38	42	46	41	44	45	41	44	1.0	No
R2891	F 1	W	294643.3	1246209.3	Active recreation	65	45	39	43	46	42	43	45	40	43	47	43	45	47	42	45	1.0	No
R2891	F 2	W	294643.3	1246209.3	Active recreation	65	46	40	44	47	43	44	46	41	44	48	44	46	48	44	46	1.0	No
R2893	GF	W	294644.3	1247731.5	Residential	60	42	37	41	44	40	41	43	38	41	45	41	43	45	41	42	1.1	No
R2893	F 1	W	294644.3	1247731.5	Residential	60	45	40	44	46	43	44	46	42	44	48	45	46	48	44	45	1.1	No
R2896	GF	W	294646.0	1247747.0	Residential	60	42	37	40	44	40	40	42	38	40	45	41	42	44	41	42	0.9	No
R2897	GF	W	294646.1	1247325.8	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.9	No
R2897	F 1	W	294646.1	1247325.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	44	0.9	No
R2899	GF	W	294647.8	1246573.8	Active recreation	65	47	42	45	48	45	45	47	42	45	49	46	47	49	45	47	0.9	No
R2902	GF	W	294653.1	1247764.4	Residential	60	42	37	40	43	40	40	42	37	41	45	41	42	44	40	41	1.0	No
R2902	F 1	W	294653.1	1247764.4	Residential	60	45	40	43	46	43	43	46	41	44	48	44	46	47	43	45	1.1	No
R2902	F 2	W	294653.1	1247764.4	Residential	60	47	42	45	48	45	45	48	43	46	50	47	48	49	45	47	1.0	No
R2904	GF	W	294655.8	1247798.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R2904	F 1	W	294655.8	1247798.8	Residential	60	44	39	42	45	42	42	45	40	43	47	43	45	46	43	44	1.1	No
R2905	GF	W	294655.8	1247341.1	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.8	No
R2905	F 1	W	294655.8	1247341.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R2906	GF	W	294656.2	1246558.5	Active recreation	65	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2907	GF	S	294660.7	1247657.0	Residential	60	45	40	43	46	43	43	46	41	44	48	44	45	47	44	45	0.9	No
R2909	GF	W	294660.0	1247362.4	Residential	60	42	36	40	43	39	40	41	36	39	43	39	41	44	39	42	0.9	No
R2909	F 1	W	294660.0	1247362.4	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.9	No
R2910	GF	W	294660.8	1247844.1	Residential	60	41	36	40	42	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2910	F 1	W	294660.8	1247844.1	Residential	60	43	38	42	44	41	42	43	38	41	45	42	43	45	41	43	1.0	No
R2913	GF	W	294661.4	1247378.0	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2913	F 1	W	294661.4	1247378.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R2915	GF	W	294661.7	1247829.1	Residential	60	41	36	40	43	39	40	41	36	40	44	40	41	44	40	41	0.9	No
R2915	F 1	W	294661.7	1247829.1	Residential	60	43	38	42	45	41	42	44	39	42	46	42	44	46	42	44	1.1	No
R2916	GF	S	294671.8	1247409.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R2916	F 1	S	294671.8	1247409.5	Residential	60	45	40	43	46	43	43	45	40	44	48	44	45	47	43	45	1.1	No
R2919	GF	W	294669.3	1247457.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R2919	F 1	W	294669.3	1247457.3	Residential	60	46	41	45	47	44	45	47	42	45	49	45	47	48	45	46	1.0	No
R2920	GF	W	294669.4	1247864.2	Residential	60	40	34	38	41	37	38	39	34	37	41	38	39	42	38	40	0.9	No
R2920	F 1	W	294669.4	1247864.2	Residential	60	42	36	40	43	39	40	41	36	40	44	40	41	44	40	42	0.9	No
R2921	GF	W	294671.6	1247437.2	Residential	60	42	37	40	43	40	40	42	37	40	45	41	42	44	41	42	0.9	No
R2921	F 1	W	294671.6	1247437.2	Residential	60	45	40	44	47	44	44	46	41	44	48	44	46	48	44	45	0.9	No
R2922	GF	S	294677.3	1247719.1	Residential	60	40	35	38	41	38	38	40	35	38	42	39	40	42	38	40	0.9	No
R2923	GF	N	294688.2	1247887.1	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R2925	GF	W	294674.2	1247479.6	Residential	60	44	39	42	45	42	42	44	39	42	47	43	44	46	42	44	1.0	No
R2928	GF	W	294675.9	1247904.6	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2931	GF	W	294677.0	1247515.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	42	1.0	No
R2931	F 1	W	294677.0	1247515.3	Residential	60	45	40	44	46	43	44	46	41	44	48	44	46	47	44	45	1.0	No
R2932	GF	W	294677.1	1247925.5	Residential	60	40	34	38	41	38	38	39	34	37	41	38	39	42	38	39	0.6	No
R2932	F 1	W	294677.1	1247925.5	Residential	60	41	36	40	42	39	40	41	36	39	43	39	41	43	39	41	0.9	No
R2933	GF	SW	294682.7	1247227.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R2934	GF	W	294679.5	1247495.9	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	43	0.9	No
R2936	GF	W	294681.9	1247943.4	Residential	60	40	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.6	No
R2936	F 1	W	294681.9	1247943.4	Residential	60	41	36	40	42	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R2937	GF	W	294682.8	1248001.1	Residential	60	40	34	38	41	38	38	39	34	38	42	38	39	42	38	40	0.7	No
R2937	F 1	W	294682.8	1248001.1	Residential	60	41	35	40	42	38	40	41	35	39	43	39	41	43	39	41	0.8	No
R2938	GF	W	294682.8	1247963.9	Residential	60	40	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.6	No
R2938	F 1	W	294682.8	1247963.9	Residential	60	41	35	39	42	38	39	40	35	39	43	38	40	43	38	41	0.8	No
R2939	GF	W	294683.4	1247978.0	Residential	60	40	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R2939	F 1	W	294683.4	1247978.0	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	1.0	No
R2940	GF	W	294683.6	1247534.9	Residential	60	42	37	40	43	40	40	42	37	40	44	41	42	44	41	42	0.9	No
R2942	GF	W	294688.0	1247561.1	Residential	60	43	38	42	45	42	42	44	39	42	46	42	44	46	42	43	1.0	No
R2942	F 1	W	294688.0	1247561.1	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	46	0.9	No
R2943	GF	S	294695.5	1247729.0	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	0.9	No
R2945	GF	S	294694.4	1247259.7	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R2948	GF	SE	294700.0	1247241.0	Residential	60	39	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R2950	GF	S	294697.9	1247750.3	Residential	60	40	35	38	41	38	38	40	35	38	42	38	39	42	38	40	0.9	No
R2951	GF	W	294693.3	1247578.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	43	1.0	No
R2951	F 1	W	294693.3	1247578.1	Residential	60	46	41	45	48	44	45	47	42	45	49	45	47	48	45	46	0.8	No
R2954	GF	W	294696.5	1247292.7	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	0.8	No
R2955	GF	W	294697.2	1247307.1	Residential	60	40	34	38	41	38	38	40	34	38	42	38	40	42	38	40	0.9	No
R2956	GF	W	294697.4	1247922.3	Residential	60	40	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.6	No
R2957	GF	W	294699.7	1247322.8	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.8	No
R2958	GF	W	294700.3	1247596.0	Residential	60	44	39	42	45	42	42	44	40	42	47	43	44	46	42	44	0.9	No
R2959	GF	W	294702.7	1247340.8	Residential	60	41	35	39	42	39	39	40	35	38	43	39	40	43	39	41	0.8	No
R2960	GF	S	294706.6	1247891.4	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.8	No
R2961	GF	N	294713.4	1247827.3	Residential	60	37	31	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R2961	F 1	N	294713.4	1247827.3	Residential	60	37	32	36	38	35	36	37	32	36	40	35	37	40	35	38	1.2	No
R2963	GF	S	294710.6	1247360.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R2964	GF	N	294715.1	1248002.7	Residential	60	38	32	36	39	36	36	37	33	36	40	36	37	40	36	38	0.7	No
R2967	GF	NW	294708.9	1246158.0	Active recreation	65	42	37	40	43	40	41	42	37	41	44	40	42	44	40	42	1.0	No
R2968	GF	W	294710.9	1247715.2	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.8	No
R2971	GF	W	294713.1	1247755.9	Residential	60	39	34	38	40	37	38	39	34	37	41	37	39	41	37	39	0.7	No
R2971	F 1	W	294713.1	1247755.9	Residential	60	42	37	40	43	40	40	43	38	41	45	41	42	44	41	42	1.1	No
R2973	GF	W	294714.3	1247804.1	Residential	60	39	33	37	40	37	38	38	33	37	41	37	38	41	37	39	0.7	No
R2974	GF	W	294715.0	1247733.9	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R2975	GF	SW	294718.6	1247259.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R2976	GF	W	294715.6	1247899.5	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	0.7	No
R2977	GF	NW	294717.2	1246111.1	Active recreation	65	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R2978	GF	W	294717.5	1247111.0	Active recreation	65	45	40	44	47	44	44	45	40	44	48	44	45	48	44	45	1.0	No
R2979	GF	S	294721.7	1247424.9	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.9	No
R2980	GF	W	294717.6	1247878.7	Residential	60	40	34	39	41	38	38	39	35	38	42	38	39	42	38	40	0.8	No
R2982	GF	W	294719.3	1247446.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R2982	F 1	W	294719.3	1247446.3	Residential	60	45	40	43	46	43	43	45	40	43	47	44	45	47	43	45	1.0	No
R2984	GF	W	294720.8	1247988.0	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R2984	F 1	W	294720.8	1247988.0	Residential	60	40	34	38	41	37	38	39	34	38	42	38	39	42	38	40	0.9	No
R2985	GF	S	294727.5	1247359.3	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R2989	GF	W	294722.8	1247771.3	Residential	60	38	33	37	40	36	37	39	33	37	41	37	39	40	36	38	0.8	No
R2991	GF	SW	294728.1	1247279.6	Residential	60	43	38	41	44	41	41	42	38	41	45	41	43	45	41	43	0.8	No
R2992	GF	W	294724.5	1247461.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R2992	F 1	W	294724.5	1247461.1	Residential	60	44	39	42	45	42	42	44	40	42	47	43	44	46	43	44	0.9	No
R2993	GF	W	294725.5	1247938.5	Residential	60	39	33	38	40	37	37	38	33	36	40	37	38	41	37	38	0.6	No
R2993	F 1	W	294725.5	1247938.5	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R2994	GF	NW	294725.6	1247797.4	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	40	36	38	0.7	No
R2995	GF	S	294731.2	1247403.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R2996	GF	W	294726.8	1247476.0	Residential	60	42	37	41	44	41	41	42	38	41	45	41	42	45	41	42	0.9	No
R2996	F 1	W	294726.8	1247476.0	Residential	60	46	40	44	47	44	44	46	41	44	48	44	46	48	44	45	0.9	No
R2997	GF	W	294727.0	1247299.5	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.8	No
R2999	GF	W	294728.9	1247813.1	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R2999	F 1	W	294728.9	1247813.1	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.8	No
R3001	GF	W	294729.2	1247874.8	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	40	36	38	0.8	No
R3001	F 1	W	294729.2	1247874.8	Residential	60	40	34	38	41	38	38	39	35	38	42	38	39	42	38	40	0.9	No
R3002	GF	W	294729.7	1247831.8	Residential	60	38	33	36	39	36	36	37	33	36	40	36	37	40	36	38	0.9	No
R3002	F 1	W	294729.7	1247831.8	Residential	60	40	35	39	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R3003	GF	W	294731.3	1247492.2	Residential	60	43	38	41	44	41	41	43	39	42	46	42	43	45	42	43	1.1	No
R3003	F 1	W	294731.3	1247492.2	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	46	1.0	No
R3004	GF	W	294733.4	1247851.5	Residential	60	38	33	37	39	36	37	38	33	36	40	36	38	40	36	38	0.8	No
R3004	F 1	W	294733.4	1247851.5	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R3005	GF	W	294734.7	1247510.1	Residential	60	43	38	42	45	42	42	44	39	42	46	42	44	46	42	43	0.9	No
R3005	F 1	W	294734.7	1247510.1	Residential	60	46	41	45	47	44	45	47	42	45	49	45	47	48	44	46	0.9	No
R3006	GF	W	294735.1	1247525.7	Residential	60	43	38	42	45	41	42	44	39	42	46	42	44	46	42	43	1.0	No
R3006	F 1	W	294735.1	1247525.7	Residential	60	46	41	44	47	44	44	47	42	45	49	45	47	48	44	46	1.0	No
R3007	GF	S	294741.1	1247325.6	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R3008	GF	W	294736.1	1247958.7	Residential	60	38	33	37	39	36	37	38	33	36	40	36	38	40	36	38	0.7	No
R3008	F 1	W	294736.1	1247958.7	Residential	60	40	34	38	41	37	38	39	34	38	42	38	39	42	38	40	1.0	No
R3009	GF	W	294737.1	1247547.1	Residential	60	43	38	42	45	42	42	44	39	42	46	42	44	46	42	43	1.1	No
R3010	GF	S	294742.8	1247350.0	Residential	60	43	37	41	44	41	41	42	37	40	45	41	42	45	41	42	0.7	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3010	F 1	S	294742.8	1247350.0	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.8	No
R3014	GF	S	294751.9	1247113.9	Active recreation	65	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3016	GF	W	294742.2	1247567.0	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3016	F 1	W	294742.2	1247567.0	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	45	0.9	No
R3017	GF	W	294742.5	1247585.5	Residential	60	43	38	42	45	42	42	43	39	42	46	42	43	46	42	43	0.9	No
R3017	F 1	W	294742.5	1247585.5	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	46	0.9	No
R3019	GF	W	294743.0	1247914.5	Residential	60	39	33	37	40	36	37	38	33	36	40	37	38	41	37	38	0.7	No
R3020	GF	N	294751.5	1247993.1	Residential	60	38	33	36	39	36	36	37	33	35	40	36	37	40	36	37	0.6	No
R3021	GF	W	294744.4	1247893.8	Residential	60	38	33	37	39	36	37	38	33	36	40	36	37	40	36	38	0.6	No
R3021	F 1	W	294744.4	1247893.8	Residential	60	40	34	38	41	37	38	39	34	37	41	37	39	42	37	39	0.7	No
R3021	F 2	W	294744.4	1247893.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.1	No
R3023	GF	W	294745.5	1247597.8	Residential	60	43	38	41	44	41	41	43	38	41	45	42	43	45	41	42	1.0	No
R3023	F 1	W	294745.5	1247597.8	Residential	60	45	40	44	47	43	44	46	41	44	48	45	46	47	44	45	0.9	No
R3024	GF	S	294757.2	1247924.0	Residential	60	38	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.6	No
R3025	GF	N	294753.0	1247413.5	Residential	60	43	38	42	45	42	42	43	39	42	46	42	43	46	42	43	0.8	No
R3027	GF	W	294747.2	1247315.1	Residential	60	42	37	41	44	41	40	42	37	40	44	41	42	44	41	42	0.9	No
R3028	GF	W	294748.4	1247197.1	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3030	GF	W	294748.6	1247611.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3033	GF	S	294759.2	1247355.8	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3034	GF	W	294753.3	1247626.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R3034	F 1	W	294753.3	1247626.5	Residential	60	45	39	43	46	43	43	45	40	43	47	44	45	47	43	44	0.9	No
R3038	GF	S	294758.3	1247419.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3040	GF	W	294755.2	1247664.3	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R3040	F 1	W	294755.2	1247664.3	Residential	60	43	38	41	44	41	41	43	38	42	46	42	43	45	42	43	1.1	No
R3041	GF	W	294755.7	1247329.4	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	45	41	42	0.9	No
R3042	GF	W	294755.8	1247644.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R3042	F 1	W	294755.8	1247644.8	Residential	60	44	39	42	45	42	42	44	39	42	47	43	44	46	42	44	1.1	No
R3043	GF	S	294761.0	1247942.1	Residential	60	35	30	34	37	34	34	35	30	33	37	34	35	38	34	36	1.1	No
R3043	F 1	S	294761.0	1247942.1	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	40	36	38	0.7	No
R3046	GF	W	294757.5	1247211.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3047	GF	W	294758.8	1247403.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3047	F 1	W	294758.8	1247403.2	Residential	60	45	40	44	47	43	44	45	40	43	48	44	45	47	44	45	0.9	No
R3048	GF	W	294760.8	1247679.2	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3049	GF	W	294760.9	1247978.4	Residential	60	36	31	35	38	35	35	36	31	34	38	35	36	38	35	36	0.7	No
R3049	F 1	W	294760.9	1247978.4	Residential	60	39	33	38	40	37	38	39	34	37	41	37	39	41	37	39	1.1	No
R3049	F 2	W	294760.9	1247978.4	Residential	60	40	35	39	41	38	39	40	35	38	42	38	40	42	38	40	1.2	No
R3050	GF	S	294765.3	1247432.9	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.9	No
R3051	GF	W	294761.9	1247709.9	Residential	60	39	34	38	41	38	38	39	34	38	42	38	39	42	38	39	0.8	No
R3051	F 1	W	294761.9	1247709.9	Residential	60	41	36	39	42	39	39	41	37	40	44	40	41	43	40	41	1.0	No
R3053	GF	W	294764.0	1247225.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3054	GF	W	294764.5	1247343.3	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3054	F 1	W	294764.5	1247343.3	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R3055	GF	W	294764.9	1247726.9	Residential	60	39	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.7	No
R3055	F 1	W	294764.9	1247726.9	Residential	60	41	36	39	43	40	39	42	37	40	44	40	41	44	40	41	1.0	No
R3058	GF	W	294768.8	1247563.2	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	40	0.9	No
R3058	F 1	W	294768.8	1247563.2	Residential	60	46	41	44	47	44	44	46	42	44	49	45	46	48	44	46	0.9	No
R3060	GF	W	294769.5	1247420.8	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R3060	F 1	W	294769.5	1247420.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	44	1.0	No
R3061	GF	W	294769.9	1247748.6	Residential	60	39	33	37	40	37	37	38	33	36	40	37	38	41	37	38	0.7	No
R3061	F 1	W	294769.9	1247748.6	Residential	60	40	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.8	No
R3064	GF	W	294770.8	1247239.8	Residential	60	44	39	43	46	43	43	44	39	42	46	43	44	46	43	44	0.8	No
R3067	GF	W	294771.8	1247768.4	Residential	60	38	33	37	40	36	37	38	33	36	40	36	38	40	36	38	0.6	No
R3070	GF	W	294774.3	1247358.7	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R3071	GF	S	294783.9	1247479.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3071	F 1	S	294783.9	1247479.7	Residential	60	45	40	44	47	43	44	45	40	44	48	44	45	47	43	45	0.8	No
R3072	GF	S	294779.5	1247709.0	Residential	60	36	31	34	38	35	34	36	31	34	38	35	36	39	35	37	1.1	No
R3073	GF	W	294775.0	1247579.8	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3074	GF	W	294780.4	1247193.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R3076	GF	W	294777.8	1247254.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3077	GF	W	294778.0	1247436.7	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	43	0.9	No
R3077	F 1	W	294778.0	1247436.7	Residential	60	45	40	44	47	44	44	46	41	44	48	44	45	48	44	45	0.9	No
R3077	F 2	W	294778.0	1247436.7	Residential	60	44	39	43	46	43	43	45	40	43	47	43	45	47	43	44	0.9	No
R3078	GF	W	294778.8	1247806.2	Residential	60	38	33	37	39	36	37	37	33	36	40	36	37	40	36	38	0.6	No
R3078	F 1	W	294778.8	1247806.2	Residential	60	40	35	38	41	38	38	39	35	38	42	38	40	42	38	40	0.9	No
R3081	GF	W	294779.2	1247788.3	Residential	60	38	33	37	39	36	37	38	33	36	40	36	37	40	36	38	0.7	No
R3081	F 1	W	294779.2	1247788.3	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R3083	GF	W	294780.3	1247452.7	Residential	60	41	36	40	43	39	40	41	36	39	44	40	41	44	40	41	1.0	No
R3083	F 1	W	294780.3	1247452.7	Residential	60	46	41	44	47	44	44	46	41	44	48	44	46	48	44	45	1.0	No
R3086	GF	W	294781.5	1247827.3	Residential	60	38	32	37	39	36	37	37	32	35	40	36	37	40	36	38	0.6	No
R3086	F 1	W	294781.5	1247827.3	Residential	60	39	34	38	41	37	38	39	34	37	41	37	39	42	37	39	0.9	No
R3086	F 2	W	294781.5	1247827.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R3089	GF	W	294784.2	1247467.1	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R3091	GF	W	294786.6	1247850.1	Residential	60	38	32	36	39	35	36	37	32	35	39	35	37	40	35	37	0.6	No
R3091	F 1	W	294786.6	1247850.1	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R3092	GF	W	294787.6	1247268.8	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R3096	GF	S	294794.4	1247714.6	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3098	GF	W	294788.4	1247864.6	Residential	60	37	32	36	38	35	36	36	32	35	39	35	36	39	35	37	0.7	No
R3098	F 1	W	294788.4	1247864.6	Residential	60	39	33	37	40	37	37	38	33	36	41	37	38	41	37	38	0.8	No
R3099	GF	S	294795.9	1247696.6	Residential	60	37	32	36	39	36	36	37	32	35	39	36	37	40	36	37	0.8	No
R3101	GF	W	294791.7	1247886.7	Residential	60	37	32	36	38	35	36	37	32	35	39	35	36	39	35	37	0.7	No
R3101	F 1	W	294791.7	1247886.7	Residential	60	39	33	37	40	37	37	38	33	36	41	37	38	41	37	38	0.8	No
R3102	GF	S	294800.4	1247187.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3102	F 1	S	294800.4	1247187.0	Residential	60	44	39	43	46	42	43	44	39	42	46	42	44	46	42	44	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3103	GF	W	294795.0	1247903.6	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R3103	F 1	W	294795.0	1247903.6	Residential	60	39	33	37	40	36	37	38	33	37	41	37	38	41	37	39	0.9	No
R3105	GF	W	294796.5	1247282.0	Residential	60	43	38	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R3107	GF	W	294799.1	1247923.1	Residential	60	37	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.7	No
R3107	F 1	W	294799.1	1247923.1	Residential	60	38	33	37	39	36	37	38	33	36	40	36	38	40	36	38	0.7	No
R3110	GF	W	294800.8	1247616.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3111	GF	W	294801.0	1247534.9	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	40	1.0	No
R3111	F 1	W	294801.0	1247534.9	Residential	60	44	39	42	45	42	42	45	40	43	47	43	44	46	42	44	0.9	No
R3113	GF	W	294801.3	1247959.9	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3117	GF	W	294801.8	1247937.6	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.6	No
R3117	F 1	W	294801.8	1247937.6	Residential	60	38	32	36	39	36	36	37	33	36	40	36	37	40	36	38	0.8	No
R3117	F 2	W	294801.8	1247937.6	Residential	60	39	34	38	40	37	37	39	34	37	41	37	39	41	37	39	1.2	No
R3118	GF	W	294802.1	1247728.3	Residential	60	38	32	36	39	36	36	37	32	35	40	36	37	40	36	37	0.7	No
R3119	GF	W	294803.5	1247515.7	Residential	60	39	34	37	41	38	38	39	35	37	42	38	39	42	38	39	0.9	No
R3119	F 1	W	294803.5	1247515.7	Residential	60	41	36	40	43	40	40	42	37	40	44	41	42	44	40	41	1.0	No
R3120	GF	W	294805.0	1247494.9	Residential	60	38	33	37	40	37	37	38	34	37	41	37	38	41	37	38	0.9	No
R3120	F 1	W	294805.0	1247494.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.1	No
R3121	GF	W	294805.3	1247295.2	Residential	60	43	38	42	45	42	42	43	38	41	46	42	43	46	42	43	0.8	No
R3122	GF	W	294806.7	1247479.4	Residential	60	37	32	35	39	36	35	37	32	35	39	36	37	39	36	37	0.8	No
R3122	F 1	W	294806.7	1247479.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	43	0.9	No
R3122	F 2	W	294806.7	1247479.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	43	0.9	No
R3123	GF	W	294807.9	1247671.8	Residential	60	38	32	36	39	36	36	37	32	36	40	36	37	40	36	38	0.9	No
R3125	GF	S	294824.8	1247605.1	Residential	60	39	34	38	41	37	38	39	34	37	41	37	39	41	37	39	0.9	No
R3126	GF	S	294816.5	1247184.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R3126	F 1	S	294816.5	1247184.2	Residential	60	44	39	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R3128	GF	W	294811.3	1247312.7	Residential	60	44	39	42	45	42	42	43	39	42	46	42	44	46	42	44	0.8	No
R3132	GF	W	294814.2	1247549.9	Residential	60	38	33	37	40	36	37	38	34	37	41	37	38	40	37	38	0.9	No
R3132	F 1	W	294814.2	1247549.9	Residential	60	41	36	39	42	39	40	42	37	40	44	41	42	43	40	41	1.0	No
R3137	GF	W	294817.2	1247576.1	Residential	60	40	34	38	41	38	38	39	34	38	42	38	40	42	38	40	1.0	No
R3137	F 1	W	294817.2	1247576.1	Residential	60	42	37	40	44	41	40	43	38	41	45	41	43	45	41	42	1.0	No
R3139	GF	W	294817.6	1247955.3	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.8	No
R3140	GF	W	294818.2	1247838.8	Residential	60	36	31	34	37	34	34	36	31	34	38	34	35	38	34	36	0.8	No
R3142	GF	S	294830.7	1247252.5	Residential	60	44	39	43	46	42	43	44	39	43	47	42	44	47	42	44	1.0	No
R3143	GF	W	294823.4	1247781.1	Residential	60	38	32	36	39	35	36	37	32	35	39	35	37	40	35	37	0.7	No
R3144	GF	W	294823.7	1247634.1	Residential	60	39	33	37	40	37	37	38	33	37	41	37	38	41	37	39	0.8	No
R3144	F 1	W	294823.7	1247634.1	Residential	60	40	35	38	41	38	38	40	35	38	42	39	40	42	38	40	1.0	No
R3148	GF	NW	294824.9	1247333.3	Residential	60	42	37	41	44	41	41	42	37	40	44	41	42	44	41	42	0.8	No
R3149	GF	W	294825.3	1247654.4	Residential	60	39	33	37	40	37	37	38	33	36	41	37	38	41	37	39	0.7	No
R3153	GF	W	294827.9	1247593.1	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3153	F 1	W	294827.9	1247593.1	Residential	60	41	36	39	42	39	39	41	36	39	43	40	41	43	39	40	0.9	No
R3155	GF	W	294828.6	1247732.6	Residential	60	38	33	37	40	36	37	38	33	36	40	36	37	40	36	38	0.6	No
R3156	GF	S	294832.5	1247889.7	Residential	60	37	31	36	38	35	36	36	31	34	39	35	36	39	35	37	0.6	No
R3159	GF	W	294831.9	1247245.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3160	GF	W	294835.8	1247908.0	Residential	60	35	30	34	37	34	34	35	30	33	38	34	35	38	34	36	1.0	No
R3160	F 1	W	294835.8	1247908.0	Residential	60	38	32	36	39	36	36	37	32	36	40	36	37	40	36	38	0.7	No
R3161	GF	W	294833.2	1247700.3	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	40	35	37	0.8	No
R3161	F 1	W	294833.2	1247700.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3161	F 2	W	294833.2	1247700.3	Residential	60	41	36	39	42	39	39	41	36	39	43	40	41	43	40	41	1.0	No
R3162	GF	W	294833.9	1247776.8	Residential	60	37	31	35	38	35	35	36	31	34	39	35	36	39	35	37	0.8	No
R3164	GF	NW	294835.0	1247344.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	42	45	41	42	0.8	No
R3166	GF	W	294835.2	1247715.9	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3166	F 1	W	294835.2	1247715.9	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R3169	GF	W	294836.1	1247883.9	Residential	60	37	31	36	38	35	36	36	31	34	39	35	36	39	35	37	0.6	No
R3176	GF	N	294848.6	1247956.2	Residential	60	35	29	33	36	32	33	35	29	33	37	33	35	37	33	35	1.1	No
R3176	F 1	N	294848.6	1247956.2	Residential	60	36	30	34	37	33	34	36	31	34	38	34	36	38	34	36	1.3	No
R3177	GF	W	294841.5	1247666.1	Residential	60	38	32	36	39	36	36	37	32	35	40	36	37	40	36	38	0.7	No
R3178	GF	W	294841.7	1247737.4	Residential	60	38	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.6	No
R3178	F 1	W	294841.7	1247737.4	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3180	GF	W	294844.4	1247258.4	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R3180	F 1	W	294844.4	1247258.4	Residential	60	44	39	42	45	42	42	43	39	42	46	42	43	46	42	43	0.8	No
R3181	GF	W	294844.8	1247755.2	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.6	No
R3181	F 1	W	294844.8	1247755.2	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.8	No
R3186	GF	S	294856.6	1247873.9	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.8	No
R3186	F 1	S	294856.6	1247873.9	Residential	60	36	31	35	37	34	35	35	31	34	38	34	36	38	34	36	0.7	No
R3188	GF	W	294850.7	1247271.8	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3188	F 1	W	294850.7	1247271.8	Residential	60	42	37	40	43	40	41	42	37	40	44	40	42	44	40	42	1.0	No
R3191	GF	W	294851.2	1247798.6	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3191	F 1	W	294851.2	1247798.6	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3193	GF	S	294858.1	1247323.2	Residential	60	42	37	41	44	40	41	42	37	41	45	41	42	45	41	42	0.9	No
R3194	GF	W	294854.1	1247286.6	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	44	40	42	0.9	No
R3196	GF	W	294854.3	1247815.9	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3198	GF	NW	294854.8	1247182.9	Residential	60	44	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.8	No
R3199	GF	S	294861.1	1247929.8	Residential	60	36	30	34	37	34	34	35	30	33	37	34	35	38	34	36	0.8	No
R3202	GF	W	294858.6	1247834.4	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3202	F 1	W	294858.6	1247834.4	Residential	60	38	32	36	39	35	36	37	32	35	39	35	37	40	35	37	0.8	No
R3203	GF	W	294861.2	1247858.1	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	39	34	36	0.7	No
R3203	F 1	W	294861.2	1247858.1	Residential	60	38	32	36	39	36	36	37	32	35	40	36	37	40	36	37	0.7	No
R3204	GF	W	294861.5	1247387.7	Residential	60	43	37	41	44	41	41	42	37	40	45	41	42	45	41	42	0.8	No
R3204	F 1	W	294861.5	1247387.7	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R3206	GF	NW	294862.9	1247194.8	Residential	60	43	38	42	45	42	42	43	38	41	45	42	43	46	42	43	0.9	No
R3206	F 1	NW	294862.9	1247194.8	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R3209	GF	W	294865.3	1247302.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R3210	GF	S	294877.4	1247496.0	Residential	60	40	34	38	41	38	38	39	34	38	42	38	39	42	38	40	0.8	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3211	GF	S	294872.0	1247869.5	Residential	60	35	29	33	36	33	33	34	29	32	37	33	34	37	33	35	0.8	No
R3211	F 1	S	294872.0	1247869.5	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	39	34	36	0.7	No
R3212	GF	W	294865.9	1247897.1	Residential	60	35	29	33	36	33	33	34	29	32	36	33	34	37	33	34	0.7	No
R3212	F 1	W	294865.9	1247897.1	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3213	GF	W	294867.6	1247537.8	Residential	60	39	34	38	40	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R3213	F 1	W	294867.6	1247537.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R3216	GF	S	294874.6	1247326.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3218	GF	W	294869.5	1247550.0	Residential	60	39	34	37	40	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R3220	GF	NW	294870.7	1247207.8	Residential	60	42	37	41	44	40	41	42	37	40	44	40	42	45	40	42	0.9	No
R3220	F 1	NW	294870.7	1247207.8	Residential	60	44	39	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R3221	GF	W	294871.3	1247923.9	Residential	60	36	31	35	38	34	35	35	31	34	38	34	35	38	34	36	0.6	No
R3221	F 1	W	294871.3	1247923.9	Residential	60	37	32	36	38	35	36	37	32	35	39	35	37	39	35	37	0.9	No
R3222	GF	W	294872.3	1247911.1	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3223	GF	W	294872.8	1247566.4	Residential	60	39	34	37	40	37	37	38	34	37	41	37	38	41	37	39	0.8	No
R3226	GF	W	294875.1	1247937.0	Residential	60	36	31	35	38	34	35	36	31	34	38	34	35	38	34	36	0.6	No
R3228	GF	NW	294877.5	1247218.1	Residential	60	42	36	40	43	40	40	41	36	39	44	40	41	44	40	41	0.8	No
R3230	GF	S	294888.2	1247370.9	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R3231	GF	W	294878.9	1247604.2	Residential	60	38	32	36	39	36	36	37	32	35	39	36	37	40	36	37	0.8	No
R3231	F 1	W	294878.9	1247604.2	Residential	60	40	35	38	42	39	38	40	35	38	42	39	40	42	39	40	0.8	No
R3234	GF	W	294880.4	1247314.7	Residential	60	40	35	39	42	39	39	40	35	38	43	39	40	43	39	40	0.9	No
R3235	GF	W	294881.3	1247581.5	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3236	GF	W	294881.7	1247690.9	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	39	34	36	0.6	No
R3236	F 1	W	294881.7	1247690.9	Residential	60	38	33	37	39	36	37	38	33	36	40	36	38	40	36	38	0.8	No
R3238	GF	W	294883.9	1247623.9	Residential	60	37	32	36	38	35	36	37	32	35	39	35	37	39	35	37	0.7	No
R3238	F 1	W	294883.9	1247623.9	Residential	60	39	34	37	41	38	37	39	34	37	41	38	39	42	38	39	0.9	No
R3239	GF	W	294884.5	1247707.8	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3239	F 1	W	294884.5	1247707.8	Residential	60	38	32	36	39	36	36	37	32	36	40	36	37	40	36	38	0.7	No
R3240	GF	S	294894.7	1247331.9	Residential	60	42	37	40	43	40	40	41	37	40	44	40	41	44	40	41	0.9	No
R3241	GF	W	294885.7	1247646.8	Residential	60	37	31	35	38	35	35	36	31	35	39	35	36	39	35	37	0.7	No
R3241	F 1	W	294885.7	1247646.8	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3243	GF	NW	294886.7	1247233.0	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R3244	GF	W	294887.3	1247659.4	Residential	60	37	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.7	No
R3244	F 1	W	294887.3	1247659.4	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.9	No
R3247	GF	W	294889.8	1247727.5	Residential	60	37	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.7	No
R3248	GF	W	294890.1	1247320.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.9	No
R3250	GF	W	294892.6	1247750.4	Residential	60	36	31	35	38	34	35	36	31	34	38	34	35	38	34	36	0.7	No
R3250	F 1	W	294892.6	1247750.4	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R3253	GF	W	294893.5	1247768.3	Residential	60	36	30	35	37	34	35	35	30	33	38	34	35	38	34	36	0.5	No
R3253	F 1	W	294893.5	1247768.3	Residential	60	35	30	33	36	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3254	GF	NW	294894.1	1247245.1	Residential	60	41	36	40	43	40	40	41	36	39	44	40	41	44	40	41	0.9	No
R3257	GF	S	294905.2	1247533.6	Industrial	n/a	39	34	38	40	37	38	39	34	37	41	37	39	41	37	39	0.9	No
R3257	F 1	S	294905.2	1247533.6	Industrial	n/a	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.9	No
R3258	GF	W	294897.1	1247789.2	Residential	60	36	30	35	37	34	35	35	30	34	38	34	35	38	34	36	0.6	No
R3258	F 1	W	294897.1	1247789.2	Residential	60	37	31	35	38	35	35	36	31	35	39	35	36	39	35	37	0.7	No
R3262	GF	W	294901.6	1247811.0	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	38	33	36	0.6	No
R3263	GF	S	294909.3	1247680.7	Residential	60	35	29	33	36	32	33	34	29	32	36	32	34	37	32	34	0.6	No
R3263	F 1	S	294909.3	1247680.7	Residential	60	36	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.9	No
R3264	GF	W	294903.4	1247828.2	Residential	60	36	30	35	37	34	35	35	30	33	37	34	35	38	34	36	0.5	No
R3264	F 1	W	294903.4	1247828.2	Residential	60	36	30	34	37	34	34	35	31	33	38	34	35	38	34	36	0.7	No
R3266	GF	NW	294903.6	1247258.3	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.8	No
R3268	GF	E	294917.1	1247652.8	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	38	33	35	0.6	No
R3272	GF	W	294910.5	1247849.4	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	38	33	35	0.6	No
R3272	F 1	W	294910.5	1247849.4	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3275	GF	W	294911.0	1247864.4	Residential	60	36	30	34	37	34	34	35	30	33	37	34	35	38	34	35	0.6	No
R3275	F 1	W	294911.0	1247864.4	Residential	60	37	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.8	No
R3277	GF	W	294913.7	1247882.4	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.6	No
R3281	GF	W	294916.5	1247908.0	Residential	60	36	30	34	37	34	34	35	30	34	38	34	35	38	34	36	0.8	No
R3281	F 1	W	294916.5	1247908.0	Residential	60	37	31	35	38	34	35	36	31	34	39	35	36	39	35	37	0.9	No
R3283	GF	W	294918.7	1247651.4	Residential	60	36	30	34	37	34	34	35	30	33	37	34	35	38	34	36	0.7	No
R3284	GF	W	294920.8	1247268.1	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	41	0.9	No
R3286	GF	W	294922.8	1247615.5	Residential	60	37	32	36	39	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R3288	GF	W	294923.9	1247764.7	Residential	60	36	31	35	37	34	35	35	31	34	38	34	35	38	34	36	0.7	No
R3289	GF	S	294929.3	1247388.6	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R3298	GF	W	294933.4	1247284.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.8	No
R3298	F 1	W	294933.4	1247284.8	Residential	60	44	39	43	46	43	43	44	39	42	47	43	44	47	43	44	0.9	No
R3300	GF	W	294934.1	1247301.1	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3300	F 1	W	294934.1	1247301.1	Residential	60	45	40	43	46	43	43	44	40	43	47	43	44	47	43	44	0.9	No
R3301	GF	W	294934.4	1247643.1	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3301	F 1	W	294934.4	1247643.1	Residential	60	38	33	37	40	37	37	38	33	36	40	37	38	41	37	38	0.8	No
R3302	GF	SW	294936.0	1247247.8	Residential	60	39	33	37	40	37	37	38	33	37	41	37	39	41	37	39	0.9	No
R3303	GF	W	294936.1	1247318.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R3303	F 1	W	294936.1	1247318.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3304	GF	SE	294948.5	1247445.3	Residential	60	40	35	39	42	38	39	40	35	39	43	38	40	43	38	41	1.1	No
R3307	GF	W	294939.2	1247393.6	Residential	60	39	34	38	41	38	38	39	34	38	42	38	39	42	38	39	0.9	No
R3307	F 1	W	294939.2	1247393.6	Residential	60	41	36	40	43	40	40	41	36	39	43	40	41	43	40	41	0.8	No
R3308	GF	W	294939.8	1247343.7	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R3309	GF	W	294940.4	1247896.4	Residential	60	35	30	34	37	33	34	34	30	33	37	33	35	37	33	35	0.5	No
R3309	F 1	W	294940.4	1247896.4	Residential	60	36	31	35	37	34	35	36	31	34	38	34	36	38	34	36	0.8	No
R3310	GF	NW	294940.8	1247477.6	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3311	GF	W	294941.7	1247376.8	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.8	No
R3312	GF	W	294942.9	1247682.5	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3312	F 1	W	294942.9	1247682.5	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.8	No
R3312	F 2	W	294942.9	1247682.5	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	36	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3314	GF	W	294943.5	1247361.5	Residential	60	40	35	38	41	38	39	40	35	38	42	38	40	42	38	40	0.9	No
R3314	F 1	W	294943.5	1247361.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.8	No
R3317	GF	W	294945.0	1247237.1	Residential	60	39	33	37	40	37	37	38	33	37	41	37	38	41	37	38	0.8	No
R3318	GF	W	294945.4	1247423.5	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	0.9	No
R3319	GF	W	294946.0	1247407.8	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.9	No
R3322	GF	W	294949.4	1247698.9	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.6	No
R3322	F 1	W	294949.4	1247698.9	Residential	60	35	30	33	36	33	33	34	30	33	37	33	34	37	33	35	0.7	No
R3325	GF	S	294959.6	1247632.8	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3326	GF	W	294952.3	1247437.3	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.8	No
R3326	F 1	W	294952.3	1247437.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	41	44	40	41	0.6	No
R3327	GF	NW	294957.8	1247495.5	Residential	60	40	34	38	41	38	38	39	34	38	42	38	39	42	38	39	0.9	No
R3331	GF	SW	294958.1	1247219.6	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	1.0	No
R3331	F 1	SW	294958.1	1247219.6	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	41	0.9	No
R3334	GF	W	294959.4	1247736.3	Residential	60	35	30	34	37	33	34	34	30	33	37	33	34	37	33	35	0.6	No
R3334	F 1	W	294959.4	1247736.3	Residential	60	36	31	35	38	34	35	36	31	34	38	34	36	38	34	36	0.8	No
R3335	GF	W	294960.5	1247884.2	Residential	60	35	30	34	36	33	34	34	30	33	37	33	34	37	33	35	0.7	No
R3335	F 1	W	294960.5	1247884.2	Residential	60	36	31	35	37	34	35	36	31	34	38	34	36	38	34	36	0.8	No
R3336	GF	W	294961.2	1247718.6	Residential	60	35	29	33	36	33	33	34	29	33	36	33	34	37	33	35	0.7	No
R3336	F 1	W	294961.2	1247718.6	Residential	60	36	31	34	37	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3339	GF	S	294983.9	1247606.1	Industrial	n/a	38	32	36	39	35	36	37	32	36	39	35	37	40	35	37	0.8	No
R3339	F 1	S	294983.9	1247606.1	Industrial	n/a	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.9	No
R3340	GF	W	294966.1	1247758.4	Residential	60	35	30	34	36	33	34	34	30	33	37	33	34	37	33	35	0.6	No
R3340	F 1	W	294966.1	1247758.4	Residential	60	36	30	34	37	34	34	35	30	34	38	34	35	38	34	36	0.7	No
R3344	GF	W	294970.5	1247776.8	Residential	60	35	30	34	36	33	34	35	30	33	37	33	34	37	33	35	0.7	No
R3346	GF	W	294974.1	1247639.2	Residential	60	36	31	35	37	34	35	36	31	34	38	34	36	38	34	36	0.8	No
R3346	F 1	W	294974.1	1247639.2	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.8	No
R3347	GF	S	294980.8	1247483.7	Residential	60	39	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.9	No
R3348	GF	W	294976.3	1247837.3	Residential	60	35	30	34	37	33	34	35	30	33	37	33	34	37	33	35	0.6	No
R3348	F 1	W	294976.3	1247837.3	Residential	60	36	30	34	37	34	34	35	31	34	38	34	35	38	34	36	0.8	No
R3349	GF	W	294977.3	1247796.0	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3350	GF	W	294977.3	1247280.4	Residential	60	39	34	38	41	38	38	39	34	38	42	38	39	42	38	39	0.9	No
R3350	F 1	W	294977.3	1247280.4	Residential	60	43	38	42	45	41	42	43	38	41	45	41	43	45	41	43	0.9	No
R3351	GF	W	294978.6	1247812.8	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.6	No
R3352	GF	W	294979.4	1247302.7	Residential	60	38	33	37	40	36	37	38	33	37	41	36	38	41	36	39	0.9	No
R3352	F 1	W	294979.4	1247302.7	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	41	1.0	No
R3356	GF	W	294983.7	1247863.4	Residential	60	35	29	34	36	33	34	34	29	32	37	33	34	37	33	35	0.5	No
R3356	F 1	W	294983.7	1247863.4	Residential	60	36	30	34	37	34	34	35	30	33	37	34	35	38	34	35	0.7	No
R3358	GF	E	294998.4	1247357.7	Residential	60	39	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.9	No
R3359	GF	S	294991.5	1247320.2	Residential	60	39	34	38	41	38	38	39	34	38	42	38	39	42	38	39	1.0	No
R3360	GF	E	294998.5	1247370.4	Residential	60	41	36	40	43	40	40	41	36	39	44	40	41	44	40	41	0.9	No
R3364	GF	E	295002.4	1247390.5	Residential	60	42	37	41	44	40	41	42	37	41	44	40	42	45	40	42	1.0	No
R3366	GF	NW	294987.4	1247512.6	Residential	60	40	35	38	41	38	38	39	35	38	42	38	39	42	38	40	0.9	No
R3368	GF	SE	295000.1	1247462.7	Residential	60	40	35	39	42	38	39	40	35	38	42	38	40	42	38	40	0.8	No
R3373	GF	E	295004.6	1247406.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	41	0.9	No
R3374	GF	N	295007.4	1247312.6	Residential	60	39	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.9	No
R3378	GF	NW	294999.6	1247525.5	Residential	60	40	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.8	No
R3378	F 1	NW	294999.6	1247525.5	Residential	60	41	36	39	42	39	39	41	36	39	43	39	40	43	39	41	0.9	No
R3381	GF	W	295000.2	1247671.6	Residential	60	35	30	34	36	33	34	34	30	33	37	33	34	37	33	35	0.6	No
R3382	GF	SW	295000.9	1247481.3	Residential	60	42	36	40	43	40	40	41	36	40	44	40	42	44	40	42	0.9	No
R3384	GF	S	295005.8	1247318.5	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.9	No
R3384	F 1	S	295005.8	1247318.5	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R3387	GF	SW	295006.6	1247244.6	Residential	60	42	36	40	43	40	40	42	37	40	44	40	41	44	40	42	1.0	No
R3387	F 1	SW	295006.6	1247244.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3388	GF	W	295003.6	1247691.4	Residential	60	35	29	33	36	33	33	34	29	32	36	33	34	37	33	35	0.8	No
R3388	F 1	W	295003.6	1247691.4	Residential	60	36	31	35	37	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3390	GF	SW	295007.0	1247417.3	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3392	GF	W	295007.0	1247713.6	Residential	60	35	29	34	36	33	34	34	29	32	37	33	34	37	33	35	0.6	No
R3392	F 1	W	295007.0	1247713.6	Residential	60	36	31	35	37	34	35	36	31	34	38	34	36	38	34	36	0.7	No
R3396	GF	W	295010.8	1247348.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3396	F 1	W	295010.8	1247348.5	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3397	GF	SE	295027.7	1247525.9	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R3398	GF	W	295011.7	1247736.4	Residential	60	35	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.6	No
R3398	F 1	W	295011.7	1247736.4	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.6	No
R3399	GF	W	295012.7	1247369.5	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.9	No
R3399	F 1	W	295012.7	1247369.5	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3400	GF	W	295013.0	1247240.0	Residential	60	42	37	41	44	40	40	42	37	40	44	40	42	45	40	42	1.0	No
R3403	GF	W	295014.3	1247752.2	Residential	60	35	29	33	36	33	33	34	29	32	36	33	34	37	33	35	0.7	No
R3403	F 1	W	295014.3	1247752.2	Residential	60	36	30	34	37	34	34	35	30	33	37	34	35	38	34	35	0.8	No
R3405	GF	SW	295027.1	1247487.8	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R3406	GF	W	295016.8	1247768.9	Residential	60	35	30	34	36	33	34	34	30	33	37	33	34	37	33	35	0.7	No
R3406	F 1	W	295016.8	1247768.9	Residential	60	36	30	34	37	34	34	35	30	34	38	34	35	38	34	35	0.7	No
R3407	GF	S	295023.0	1247430.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3411	GF	W	295019.5	1247803.8	Residential	60	35	30	34	36	33	34	34	30	33	37	33	35	37	33	35	0.6	No
R3411	F 1	W	295019.5	1247803.8	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3412	GF	NW	295019.8	1247385.7	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	0.9	No
R3412	F 1	NW	295019.8	1247385.7	Residential	60	45	40	43	46	43	43	45	40	43	47	43	45	47	43	45	0.9	No
R3413	GF	W	295020.1	1247617.4	Industrial	n/a	39	33	37	40	36	37	38	33	37	40	36	38	41	36	39	0.9	No
R3414	GF	W	295020.1	1247784.1	Residential	60	35	29	34	36	33	34	34	29	33	37	33	34	37	33	35	0.7	No
R3414	F 1	W	295020.1	1247784.1	Residential	60	36	30	34	37	33	34	35	30	33	37	33	35	38	33	35	0.7	No
R3416	GF	SW	295027.5	1247399.9	Residential	60	43	38	42	45	42	42	43	38	41	45	42	43	45	42	43	0.8	No
R3421	GF	W	295029.1	1247269.6	Residential	60	40	35	38	41	38	38	40	35	38	42	38	40	42	38	40	0.8	No
R3421	F 1	W	295029.1	1247269.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3422	GF	SW	295030.0	1247515.5	Residential	60	40	35	38	41	38	38	39	34	38	42	38	39	42	38	40	0.9	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3426	GF	W	295029.9	1247674.1	Residential	60	35	29	34	36	33	34	34	29	32	36	33	34	37	33	35	0.6	No
R3426	F 1	W	295029.9	1247674.1	Residential	60	36	31	35	38	35	35	36	31	35	38	35	36	39	35	36	0.8	No
R3428	GF	NW	295033.5	1247453.1	Residential	60	41	36	40	43	40	40	41	36	39	43	39	41	43	39	41	0.8	No
R3430	GF	S	295042.1	1247231.7	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	1.0	No
R3430	F 1	S	295042.1	1247231.7	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R3432	GF	W	295035.5	1247284.7	Residential	60	42	36	40	43	40	40	41	36	40	44	40	41	44	40	41	0.8	No
R3433	GF	SE	295047.2	1247497.3	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	1.0	No
R3436	GF	NW	295039.5	1247418.2	Residential	60	40	35	39	42	39	39	40	35	38	42	39	40	43	39	40	0.8	No
R3436	F 1	NW	295039.5	1247418.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	43	46	42	43	0.8	No
R3438	GF	W	295038.8	1247297.9	Residential	60	43	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R3440	GF	W	295046.0	1247806.5	Residential	60	35	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.6	No
R3445	GF	W	295044.1	1247316.3	Residential	60	42	37	41	44	41	41	42	37	41	45	41	42	45	41	42	0.9	No
R3446	GF	S	295050.6	1247758.0	Residential	60	34	29	33	36	32	33	33	29	32	36	32	33	36	32	34	0.5	No
R3448	GF	S	295052.5	1247662.2	Residential	60	34	29	33	35	32	33	34	29	32	36	32	34	36	32	34	0.8	No
R3448	F 1	S	295052.5	1247662.2	Residential	60	37	32	35	38	35	36	37	32	35	39	35	37	39	35	37	0.9	No
R3450	GF	SE	295061.9	1247448.9	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	1.0	No
R3451	GF	W	295049.1	1247789.9	Residential	60	34	29	32	35	32	32	33	29	32	36	32	34	36	32	34	0.9	No
R3452	GF	W	295049.7	1247333.6	Residential	60	42	37	40	43	40	40	41	37	40	44	40	41	44	40	42	0.9	No
R3454	GF	S	295061.4	1247235.1	Residential	60	41	36	40	43	40	40	41	36	40	44	40	41	44	40	41	1.0	No
R3457	GF	NW	295056.1	1247431.9	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.8	No
R3459	GF	W	295054.4	1247350.2	Residential	60	42	36	40	43	40	40	41	36	40	44	40	42	44	40	42	0.9	No
R3466	GF	NW	295061.3	1247367.9	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.8	No
R3466	F 1	NW	295061.3	1247367.9	Residential	60	43	38	42	45	42	42	43	38	42	46	42	43	46	42	43	1.0	No
R3467	GF	S	295082.7	1247657.2	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3467	F 1	S	295082.7	1247657.2	Residential	60	36	30	34	37	34	34	35	30	33	38	34	35	38	34	35	0.8	No
R3468	GF	NW	295067.5	1247480.1	Residential	60	39	34	37	40	37	37	39	34	37	41	37	39	41	37	39	0.8	No
R3468	F 1	NW	295067.5	1247480.1	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.9	No
R3469	GF	W	295065.0	1247269.2	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	0.9	No
R3470	GF	W	295066.2	1247762.5	Residential	60	35	29	34	36	33	34	34	29	32	36	33	34	37	33	35	0.6	No
R3470	F 1	W	295066.2	1247762.5	Residential	60	35	30	34	37	33	34	35	30	33	37	33	35	37	33	35	0.6	No
R3471	GF	NW	295071.7	1247441.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	40	43	39	40	0.7	No
R3471	F 1	NW	295071.7	1247441.6	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.7	No
R3475	GF	S	295078.6	1247238.9	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	1.0	No
R3476	GF	W	295070.0	1247710.2	Residential	60	35	30	34	36	33	34	35	30	33	37	33	35	37	33	35	0.7	No
R3478	GF	NW	295072.5	1247383.5	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3481	GF	W	295073.7	1247302.2	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3482	GF	W	295075.4	1247284.3	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	0.9	No
R3482	F 1	W	295075.4	1247284.3	Residential	60	44	39	43	46	43	43	44	39	43	47	43	44	47	43	44	0.9	No
R3483	GF	SW	295077.9	1247454.9	Residential	60	40	35	39	42	39	38	40	35	38	42	38	40	42	38	40	0.9	No
R3484	GF	W	295076.2	1247320.0	Residential	60	43	38	41	44	41	41	43	38	41	45	41	43	45	41	43	1.0	No
R3486	GF	SW	295079.3	1247538.3	Residential	60	39	34	37	40	37	37	38	34	37	41	37	38	41	37	39	0.8	No
R3487	GF	SE	295088.5	1247623.3	Industrial	n/a	37	32	35	38	35	36	37	32	35	39	35	37	39	35	37	0.8	No
R3488	GF	W	295081.5	1247749.7	Residential	60	35	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.5	No
R3494	GF	NW	295084.5	1247394.8	Residential	60	41	36	39	42	39	39	40	36	39	43	39	40	43	39	40	0.8	No
R3494	F 1	NW	295084.5	1247394.8	Residential	60	43	38	41	44	41	41	42	37	41	45	41	42	45	41	42	0.8	No
R3496	GF	W	295086.3	1247527.2	Residential	60	39	34	38	40	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R3496	F 1	W	295086.3	1247527.2	Residential	60	41	36	40	43	39	40	41	36	39	43	39	41	43	39	41	0.8	No
R3498	GF	SE	295095.5	1247441.1	Residential	60	37	32	35	38	35	36	37	32	36	40	35	38	40	35	38	1.2	No
R3499	GF	W	295088.0	1247684.8	Residential	60	34	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.7	No
R3499	F 1	W	295088.0	1247684.8	Residential	60	37	32	36	39	36	36	37	32	35	39	36	37	39	36	37	0.8	No
R3503	GF	NW	295091.2	1247332.6	Residential	60	41	36	40	43	40	40	41	36	39	44	40	41	44	40	41	0.9	No
R3503	F 1	NW	295091.2	1247332.6	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R3507	GF	NW	295092.5	1247350.4	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.9	No
R3507	F 1	NW	295092.5	1247350.4	Residential	60	44	39	42	45	42	42	44	39	42	46	42	44	46	42	44	1.0	No
R3509	GF	W	295095.4	1247726.2	Residential	60	35	30	34	36	33	34	35	30	33	37	33	34	37	33	35	0.7	No
R3509	F 1	W	295095.4	1247726.2	Residential	60	33	28	31	34	31	31	32	28	31	35	31	33	35	31	33	0.7	No
R3513	GF	SE	295106.7	1247394.6	Residential	60	36	31	35	38	35	35	36	31	35	39	35	37	39	35	37	1.0	No
R3517	GF	NW	295102.2	1247364.6	Residential	60	41	36	39	42	39	39	41	36	39	43	39	41	43	39	41	0.8	No
R3520	GF	W	295104.7	1247414.0	Residential	60	39	34	37	41	37	38	39	34	37	41	37	39	41	37	39	0.8	No
R3523	GF	W	295106.6	1247536.1	Residential	60	34	28	32	35	32	32	33	28	31	35	32	33	36	32	34	0.7	No
R3527	GF	NW	295114.8	1247503.7	Residential	60	36	31	35	38	35	35	36	31	34	38	35	36	38	35	36	0.7	No
R3532	GF	NW	295119.4	1247376.0	Residential	60	36	31	35	38	35	35	36	31	34	38	35	36	39	35	36	0.9	No
R3532	F 1	NW	295119.4	1247376.0	Residential	60	42	37	40	43	40	40	42	37	40	44	40	42	44	40	42	0.8	No
R3535	GF	S	295131.2	1247533.5	Residential	60	36	31	34	37	34	34	36	31	34	38	34	36	38	34	36	0.8	No
R3537	GF	SW	295124.8	1247397.3	Residential	60	37	32	35	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R3541	GF	SW	295125.5	1247472.8	Residential	60	37	31	35	38	34	35	36	31	34	38	34	36	39	34	36	0.8	No
R3541	F 1	SW	295125.5	1247472.8	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.9	No
R3548	GF	SW	295131.8	1247641.2	Industrial	n/a	35	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.6	No
R3550	GF	W	295133.1	1247499.1	Residential	60	35	30	34	36	33	33	34	30	33	37	33	34	37	33	35	0.7	No
R3552	GF	S	295142.7	1247372.1	Residential	60	33	28	31	34	31	31	33	28	31	35	31	33	35	31	33	0.9	No
R3556	GF	SW	295138.1	1247458.5	Residential	60	36	31	34	37	34	34	36	31	34	38	34	36	38	34	36	0.8	No
R3556	F 1	SW	295138.1	1247458.5	Residential	60	36	31	35	38	35	35	36	31	35	39	35	36	39	34	37	1.0	No
R3557	GF	S	295145.6	1247536.0	Residential	60	35	30	34	37	34	34	35	30	33	37	34	35	38	34	35	0.8	No
R3561	GF	SW	295149.8	1247445.3	Residential	60	36	31	35	37	34	34	36	31	34	38	34	36	38	34	36	0.8	No
R3561	F 1	SW	295149.8	1247445.3	Residential	60	39	34	38	41	38	38	39	34	37	42	38	39	42	38	39	0.9	No
R3567	GF	W	295155.4	1247539.5	Residential	60	35	30	33	36	33	33	35	30	33	37	33	34	37	33	35	0.9	No
R3567	F 1	W	295155.4	1247539.5	Residential	60	38	33	36	39	36	36	38	33	36	40	36	38	40	36	38	0.8	No
R3569	GF	W	295156.9	1247493.8	Residential	60	34	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.7	No
R3570	GF	SW	295157.3	1247431.3	Residential	60	36	31	34	37	34	34	36	31	34	38	34	36	38	34	36	0.8	No
R3577	GF	S	295172.6	1247480.5	Residential	60	34	28	32	35	31	32	33	28	31	35	31	33	36	31	33	0.7	No
R3578	GF	S	295192.1	1247527.7	Residential	60	34	29	33	35	32	33	34	29	32	36	32	34	36	32	34	0.8	No
R3579	GF	NW	295178.3	1247457.3	Residential	60	34	28	32	35	32	32	33	28	31	36	32	33	36	32	34	0.8	No
R3579	F 1	NW	295178.3	1247457.3	Residential	60	36	30	34	37	34	34	36	30	34	38	34	36	38	34	36	1.0	No

Predicted operational noise results (LAeq, Night)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (Night)	No build 2023 (Night), LAeq, 9 hour			No build 2033 (Night), LAeq, 9 hour			Build 2023 (Night), LAeq, 9 hour			Build 2033 (Night), LAeq, 9 hour			Build 2033 with wall (Night), LAeq, 9 hour			Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
							Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution	Total (Sydney Trains and ARTC)	Sydney Trains contribution	ARTC contribution		
R3586	GF	S	295192.3	1247485.1	Residential	60	34	29	33	35	32	33	33	29	32	36	32	33	36	32	34	0.8	No
R3589	GF	NW	295191.7	1247472.5	Residential	60	34	29	33	35	32	32	33	29	32	36	32	33	36	32	34	0.7	No
R3595	GF	SW	295209.4	1247490.8	Residential	60	35	30	34	36	33	33	34	30	33	37	33	34	37	33	35	0.8	No
R3595	F 1	SW	295209.4	1247490.8	Residential	60	37	32	36	38	35	35	37	32	35	39	35	37	39	35	37	0.9	No
R3597	GF	S	295219.2	1247519.4	Residential	60	34	29	33	36	32	33	34	29	32	36	32	34	36	32	34	0.7	No
R3602	GF	S	295236.7	1247520.6	Residential	60	32	27	31	34	30	31	32	27	30	34	30	32	34	30	32	0.8	No
R3602	F 1	S	295236.7	1247520.6	Residential	60	35	30	33	36	33	33	34	30	33	37	33	34	37	33	35	0.8	No
R3609	GF	S	295255.1	1247516.5	Residential	60	33	28	32	34	31	32	33	28	31	35	31	33	35	31	33	0.8	No

Appendix L – Predicted operational noise results (LAmax)

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0010	GF	S	292970.2	1246181.3	Residential	85	60	60	60	60	60	0.1	No
R0011	GF	N	292973.9	1246449.3	Residential	85	62	62	61	61	62	0.1	No
R0012	GF	N	292976.3	1246150.8	Residential	85	60	60	59	59	60	0.0	No
R0013	GF	S	292984.3	1246186.4	Residential	85	59	59	59	59	59	0.0	No
R0014	GF	N	292990.0	1246443.4	Residential	85	62	62	61	61	62	0.1	No
R0015	GF	S	292993.4	1246144.5	Residential	85	59	59	59	59	59	0.1	No
R0017	GF	NE	293004.0	1246111.5	Residential	85	61	61	60	60	61	-0.2	No
R0018	GF	S	293000.4	1246189.1	Residential	85	60	60	60	60	60	0.1	No
R0019	GF	N	293005.9	1246401.3	Residential	85	61	61	60	60	61	0.1	No
R0020	GF	NE	293009.4	1246164.8	Residential	85	59	59	59	59	59	0.0	No
R0021	GF	N	293007.8	1246444.9	Residential	85	59	59	58	58	59	0.2	No
R0022	GF	E	293016.2	1246086.0	Residential	85	61	61	61	61	61	0.0	No
R0023	GF	E	293016.9	1246357.9	Residential	85	61	61	61	61	61	0.1	No
R0024	GF	E	293020.0	1246060.8	Residential	85	63	63	62	62	63	-0.2	No
R0025	GF	S	293013.7	1246197.5	Residential	85	60	60	60	60	60	-0.3	No
R0027	GF	E	293024.1	1245900.6	Residential	85	60	60	60	60	60	0.1	No
R0028	GF	NE	293020.9	1246111.0	Residential	85	59	59	59	59	59	0.1	No
R0029	GF	E	293024.3	1245918.2	Residential	85	60	60	60	60	60	0.1	No
R0030	GF	E	293025.8	1246294.6	Residential	85	62	62	62	62	62	-0.2	No
R0031	GF	S	293023.1	1246246.9	Residential	85	59	59	59	59	59	-0.2	No
R0032	GF	E	293029.0	1246276.9	Residential	85	63	63	62	62	62	-0.1	No
R0033	GF	NE	293029.4	1246344.8	Residential	85	60	60	60	60	60	0.0	No
R0034	GF	N	293024.3	1246402.5	Residential	85	60	60	60	60	60	0.1	No
R0035	GF	SE	293027.6	1246160.5	Residential	85	61	61	61	61	61	0.2	No
R0036	GF	E	293028.9	1246311.1	Residential	85	61	61	61	61	61	0.0	No
R0037	GF	E	293030.6	1246447.1	Residential	85	60	60	60	60	60	0.0	No
R0038	GF	E	293030.0	1246327.3	Residential	85	61	61	61	61	61	-0.1	No
R0039	GF	SE	293032.1	1245930.0	Residential	85	59	59	59	59	59	0.0	No
R0039	F 1	SE	293032.1	1245930.0	Residential	85	61	61	61	61	62	0.4	No
R0040	GF	E	293036.4	1246208.3	Residential	85	62	62	62	62	62	-0.1	No
R0041	GF	SE	293030.8	1246114.1	Residential	85	59	59	60	60	60	0.2	No
R0043	GF	N	293031.8	1246190.8	Residential	85	61	61	61	61	62	0.1	No
R0044	GF	S	293034.7	1246345.8	Residential	85	60	60	60	60	60	0.0	No
R0045	GF	N	293037.9	1246406.0	Residential	85	60	60	60	60	60	0.0	No
R0046	GF	NW	293034.0	1245948.6	Residential	85	62	62	61	61	62	0.1	No
R0047	GF	N	293041.3	1246264.5	Residential	85	62	62	62	62	62	-0.1	No
R0048	GF	NW	293040.8	1246131.5	Residential	85	59	59	59	59	59	-0.1	No
R0050	GF	SE	293067.1	1246356.3	Residential	85	62	62	62	62	62	0.0	No
R0051	GF	NW	293050.3	1245963.6	Residential	85	62	62	61	61	62	-0.1	No
R0052	GF	N	293056.3	1246262.0	Residential	85	62	62	62	62	62	0.0	No
R0053	GF	E	293062.2	1246404.6	Residential	85	60	60	60	60	60	0.0	No
R0054	GF	E	293064.7	1246344.8	Residential	85	62	62	62	62	62	-0.1	No
R0055	GF	E	293064.3	1245907.6	Residential	85	58	58	59	59	59	0.1	No
R0055	F 1	E	293064.3	1245907.6	Residential	85	62	62	61	61	63	0.1	No
R0056	GF	E	293066.5	1246330.5	Residential	85	61	61	61	61	61	-0.1	No
R0057	GF	E	293071.1	1246296.2	Residential	85	62	62	62	62	62	-0.1	No
R0058	GF	SE	293067.8	1246129.7	Residential	85	63	63	62	62	62	-0.1	No
R0059	GF	NE	293070.0	1246378.0	Residential	85	59	59	59	59	59	0.1	No
R0060	GF	N	293068.6	1245971.8	Residential	85	62	62	62	62	62	0.0	No
R0060	F 1	N	293068.6	1245971.8	Residential	85	64	64	63	63	64	-0.1	No
R0061	GF	E	293073.1	1246312.9	Residential	85	61	61	61	61	61	0.0	No
R0062	GF	N	293069.6	1246215.7	Residential	85	61	61	61	61	61	0.1	No
R0063	GF	E	293074.5	1246280.6	Residential	85	61	61	62	62	61	0.0	No
R0064	GF	NE	293075.4	1246465.6	Residential	85	59	59	58	58	58	-0.3	No
R0065	GF	E	293078.8	1246257.1	Residential	85	62	62	62	62	62	-0.1	No
R0066	GF	E	293079.0	1246150.2	Residential	85	63	63	63	63	63	-0.1	No
R0067	GF	E	293079.2	1246183.2	Residential	85	62	62	62	62	62	0.0	No
R0068	GF	E	293078.1	1246167.3	Residential	85	62	62	62	62	62	0.1	No
R0069	GF	S	293075.3	1246410.8	Residential	85	61	61	61	61	61	-0.1	No
R0071	GF	NE	293086.0	1245925.8	Residential	85	60	60	60	60	60	0.0	No
R0072	GF	W	293074.9	1245907.6	Residential	85	58	58	58	58	58	0.1	No
R0074	GF	E	293088.8	1246499.9	Residential	85	61	61	61	61	61	0.0	No
R0075	GF	N	293084.2	1246217.5	Residential	85	62	62	62	62	62	-0.1	No
R0075	F 1	N	293084.2	1246217.5	Residential	85	66	66	65	65	66	-0.1	No
R0076	GF	E	293089.9	1246480.1	Residential	85	61	61	61	61	61	0.0	No
R0077	GF	NE	293089.5	1246384.6	Residential	85	63	63	63	63	63	-0.1	No
R0079	GF	N	293085.4	1245969.0	Residential	85	60	60	60	60	60	0.1	No
R0080	GF	S	293090.9	1246414.1	Residential	85	61	61	61	61	61	0.0	No
R0081	GF	SE	293096.3	1246459.9	Residential	85	61	61	61	61	61	0.0	No
R0084	GF	E	293101.5	1245902.4	Residential	85	60	60	60	60	60	0.1	No
R0085	GF	E	293099.8	1245920.5	Residential	85	60	60	60	60	60	0.1	No
R0085	F 1	E	293099.8	1245920.5	Residential	85	65	65	64	64	65	-0.1	No
R0086	GF	NE	293104.1	1246518.4	Residential	85	62	62	61	61	62	0.0	No
R0087	GF	E	293106.2	1245981.0	Residential	85	63	63	62	62	63	0.4	No
R0089	GF	N	293100.6	1246215.9	Residential	85	63	63	63	63	63	-0.2	No
R0090	GF	N	293100.3	1245972.8	Residential	85	60	60	60	60	60	0.0	No
R0090	F 1	N	293100.3	1245972.8	Residential	85	64	64	64	64	65	0.2	No
R0091	GF	NE	293111.5	1246374.7	Residential	85	61	61	61	61	61	0.1	No
R0092	GF	SE	293105.4	1246416.6	Residential	85	62	62	62	62	62	-0.1	No
R0093	GF	E	293114.5	1246334.2	Residential	85	61	61	61	61	61	0.0	No
R0095	GF	E	293114.0	1246284.1	Residential	85	62	62	62	62	62	-0.1	No
R0096	GF	N	293108.2	1246263.4	Residential	85	61	61	61	61	61	0.0	No
R0097	GF	E	293113.9	1246316.4	Residential	85	62	62	62	62	62	-0.2	No
R0098	GF	E	293113.3	1246300.8	Residential	85	62	62	62	62	62	0.0	No
R0099	GF	E	293112.9	1246352.5	Residential	85	61	61	61	61	61	-0.2	No
R0101	GF	N	293110.7	1245926.1	Residential	85	61	61	61	61	61	-0.1	No
R0102	GF	E	293123.2	1246512.8	Residential	85	63	63	62	62	63	-0.3	No
R0103	GF	N	293116.6	1246217.4	Residential	85	63	63	62	62	62	-0.1	No
R0104	GF	N	293117.9	1245976.4	Residential	85	62	62	61	61	62	0.1	No
R0105	GF	S	293119.5	1246424.4	Residential	85	63	63	62	62	62	-0.1	No
R0106	GF	S	293123.7	1246254.1	Residential	85	59	59	60	60	60	0.2	No
R0107	GF	N	293125.4	1245926.5	Residential	85	63	63	62	62	63	0.1	No
R0108	GF	NE	293132.7	1246504.9	Residential	85	63	63	63	63	63	-0.1	No
R0110	GF	N	293134.2	1246220.1	Residential	85	62	62	61	61	62	0.0	No
R0111	GF	NE	293140.8	1246439.5	Residential	85	64	64	63	63	64	0.1	No
R0112	GF	S	293135.8	1246472.8	Residential	85	61	61	61	61	61	0.0	No
R0115	GF	N	293136.8	1245972.5	Residential	85	59	59	59	59	59	0.0	No
R0115	F 1	N	293136.8	1245972.5	Residential	85	64	64	64	64	65	0.3	No
R0116	GF	E	293145.8	1246376.8	Residential	85	62	62	62	62	62	-0.2	No
R0117	GF	N	293145.3	1246355.7	Residential	85	64	64	64	64	64	0.1	No
R0118	GF	N	293141.4	1245924.7	Residential	85	65	65	65	65	65	0.1	No
R0119	GF	SE	293145.4	1246255.4	Residential	85	62	62	62	62	62	-0.1	No
R0120	GF	E	293146.7	1246366.7	Residential	85	63	63	63	63	63	0.1	No
R0121	GF	E	293149.6	1246398.2	Residential	85	61	61	61	61	61	-0.2	No
R0123	GF	E	293154.2	1246334.0	Residential	85	63	63	62	62	62	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0124	GF	S	293152.9	1246479.8	Residential	85	63	63	63	63	63	-0.3	No
R0125	GF	E	293158.3	1246318.9	Residential	85	62	62	62	62	62	-0.1	No
R0126	GF	E	293156.2	1246555.0	Residential	85	66	66	66	66	66	0.1	No
R0127	GF	SE	293157.5	1246568.9	Residential	85	64	64	64	64	64	0.0	No
R0128	GF	E	293159.3	1246304.6	Residential	85	62	62	62	62	62	-0.1	No
R0129	GF	SE	293156.2	1245962.9	Residential	85	59	59	59	59	59	0.1	No
R0130	GF	S	293153.5	1246433.9	Residential	85	63	63	62	62	62	-0.1	No
R0131	GF	E	293164.4	1246264.4	Residential	85	63	63	63	63	63	-0.1	No
R0132	GF	E	293160.9	1246286.8	Residential	85	63	63	63	63	63	-0.1	No
R0133	GF	N	293150.9	1246226.6	Residential	85	63	63	63	63	63	0.0	No
R0134	GF	E	293163.8	1246543.3	Residential	85	65	65	65	65	65	-0.1	No
R0135	GF	NW	293155.5	1245926.3	Residential	85	65	65	64	64	64	-0.1	No
R0137	GF	NE	293165.7	1246413.2	Residential	85	64	64	64	64	64	-0.2	No
R0138	GF	E	293170.9	1246526.7	Residential	85	64	64	64	64	64	0.0	No
R0139	GF	S	293168.6	1246439.1	Residential	85	63	63	62	62	62	-0.2	No
R0140	GF	NE	293170.2	1246590.3	Residential	85	68	68	68	68	68	-0.4	No
R0141	GF	N	293170.6	1246222.0	Residential	85	63	63	63	63	63	0.1	No
R0142	GF	N	293171.4	1245930.5	Residential	85	62	62	62	62	63	0.2	No
R0142	F 1	N	293171.4	1245930.5	Residential	85	65	65	64	64	65	0.0	No
R0143	GF	SE	293176.3	1245977.6	Residential	85	61	61	61	61	62	0.3	No
R0143	F 1	SE	293176.3	1245977.6	Residential	85	63	63	62	62	64	0.4	No
R0144	GF	E	293178.3	1246509.2	Residential	85	66	66	66	66	66	0.0	No
R0145	GF	S	293170.7	1246029.6	Residential	85	57	57	57	57	57	0.2	No
R0146	GF	E	293182.4	1246494.1	Residential	85	65	65	64	64	65	-0.5	No
R0147	GF	N	293179.8	1246051.3	Residential	85	57	57	57	57	57	-0.1	No
R0148	GF	E	293187.2	1245995.7	Residential	85	64	64	63	63	64	0.1	No
R0149	GF	NE	293185.1	1246404.2	Residential	85	64	64	64	64	64	-0.2	No
R0151	GF	E	293194.0	1246014.5	Residential	85	64	64	63	63	64	0.1	No
R0151	F 1	E	293194.0	1246014.5	Residential	85	65	65	65	65	65	0.0	No
R0152	GF	N	293186.5	1246590.4	Residential	85	69	69	68	68	68	-0.4	No
R0153	GF	N	293183.5	1246457.9	Residential	85	63	63	62	62	63	0.1	No
R0154	GF	N	293184.6	1245932.1	Residential	85	61	61	61	61	61	-0.4	No
R0155	GF	E	293185.5	1245908.2	Residential	85	60	60	60	60	60	0.1	No
R0158	GF	E	293190.7	1246370.8	Residential	85	64	64	64	64	64	0.0	No
R0159	GF	N	293187.7	1246222.3	Residential	85	63	63	63	63	63	-0.1	No
R0160	GF	NE	293192.4	1246389.7	Residential	85	64	64	64	64	64	-0.2	No
R0161	GF	E	293191.3	1246351.7	Residential	85	64	64	64	64	64	-0.1	No
R0163	GF	E	293193.9	1246335.5	Residential	85	63	63	63	63	63	-0.2	No
R0164	GF	E	293198.6	1246033.7	Residential	85	63	63	63	63	63	-0.2	No
R0164	F 1	E	293198.6	1246033.7	Residential	85	65	65	65	65	65	0.0	No
R0165	GF	E	293196.0	1246273.4	Residential	85	64	64	64	64	64	-0.1	No
R0166	GF	E	293197.1	1246324.2	Residential	85	64	64	63	63	64	0.0	No
R0168	GF	E	293198.2	1246301.5	Residential	85	63	63	63	63	63	0.1	No
R0169	GF	S	293195.3	1246277.9	Residential	85	63	63	62	62	62	-0.2	No
R0170	GF	NE	293202.8	1246578.5	Residential	85	69	69	68	68	68	-0.4	No
R0171	GF	SE	293209.3	1246053.0	Residential	85	62	62	62	62	62	0.1	No
R0171	F 1	SE	293209.3	1246053.0	Residential	85	64	64	64	64	64	0.1	No
R0172	GF	N	293196.3	1246268.5	Residential	85	63	63	63	63	63	0.0	No
R0174	GF	E	293205.1	1246560.6	Residential	85	69	69	68	68	68	-0.3	No
R0175	GF	E	293210.9	1245907.8	Residential	85	61	61	61	61	61	0.1	No
R0176	GF	NE	293221.5	1246094.8	Residential	85	63	63	63	63	64	0.1	No
R0177	GF	E	293207.4	1246544.7	Residential	85	69	69	68	68	68	-0.4	No
R0178	GF	N	293203.4	1246465.2	Residential	85	62	62	60	60	61	-0.1	No
R0179	GF	S	293204.1	1247567.1	Residential	85	67	67	67	67	67	0.0	No
R0180	GF	N	293205.7	1246224.5	Residential	85	63	63	63	63	63	-0.1	No
R0181	GF	N	293206.7	1245935.6	Residential	85	62	62	61	61	62	0.1	No
R0182	GF	E	293213.3	1246530.6	Residential	85	69	69	68	68	68	-0.3	No
R0183	GF	N	293212.3	1246269.3	Residential	85	64	64	64	64	64	-0.1	No
R0184	GF	E	293216.0	1246289.8	Residential	85	63	63	63	63	63	-0.3	No
R0185	GF	N	293213.6	1246513.6	Residential	85	66	66	65	65	65	-0.1	No
R0186	GF	SE	293220.0	1247581.6	Residential	85	65	65	65	65	65	-0.1	No
R0187	GF	E	293234.1	1246377.5	Residential	85	67	67	66	66	66	-0.6	No
R0188	GF	E	293228.0	1246408.3	Residential	85	67	67	67	67	67	-0.1	No
R0189	GF	S	293219.2	1247595.8	Residential	85	65	65	64	64	65	-0.1	No
R0189	F 1	S	293219.2	1247595.8	Residential	85	68	68	67	67	68	-0.1	No
R0190	GF	N	293217.9	1245979.1	Residential	85	62	62	62	62	62	0.3	No
R0190	F 1	N	293217.9	1245979.1	Residential	85	65	65	65	65	65	0.1	No
R0191	GF	E	293225.9	1246425.6	Residential	85	67	67	67	67	67	-0.4	No
R0192	GF	E	293225.1	1247616.7	Residential	85	63	63	63	63	63	-0.1	No
R0193	GF	NE	293229.3	1246081.1	Residential	85	62	62	62	62	62	-0.1	No
R0193	F 1	NE	293229.3	1246081.1	Residential	85	66	66	65	65	66	0.2	No
R0195	GF	E	293226.2	1246441.8	Residential	85	66	66	66	66	66	-0.1	No
R0196	GF	E	293226.7	1247632.0	Residential	85	63	63	63	63	63	-0.1	No
R0197	GF	E	293227.0	1246469.2	Residential	85	68	68	68	68	68	-0.1	No
R0197	F 1	E	293227.0	1246469.2	Residential	85	69	69	68	68	68	-0.5	No
R0198	GF	E	293229.2	1245994.6	Residential	85	63	63	63	63	63	0.1	No
R0199	GF	E	293229.8	1246393.7	Residential	85	67	67	67	67	67	-0.5	No
R0200	GF	N	293222.8	1245933.9	Residential	85	61	61	61	61	61	0.1	No
R0200	F 1	N	293222.8	1245933.9	Residential	85	66	66	65	65	66	-0.2	No
R0201	GF	E	293228.9	1247646.1	Residential	85	65	65	65	65	65	0.0	No
R0202	GF	E	293228.8	1246458.0	Residential	85	67	67	67	67	67	0.1	No
R0202	F 1	E	293228.8	1246458.0	Residential	85	68	68	68	68	68	0.0	No
R0203	GF	N	293228.5	1246227.1	Residential	85	63	63	63	63	63	0.0	No
R0204	GF	E	293231.2	1247661.2	Residential	85	66	66	65	65	66	-0.1	No
R0205	GF	E	293233.1	1246360.0	Residential	85	66	66	66	66	66	-0.5	No
R0206	GF	S	293226.8	1247671.9	Residential	85	66	66	66	66	66	0.0	No
R0207	GF	N	293226.8	1246518.6	Residential	85	66	66	65	65	66	-0.1	No
R0208	GF	E	293237.1	1246016.9	Residential	85	62	62	62	62	62	0.1	No
R0208	F 1	E	293237.1	1246016.9	Residential	85	65	65	65	65	65	-0.1	No
R0209	GF	E	293242.0	1247692.5	Residential	85	68	68	68	68	68	-0.1	No
R0210	GF	E	293234.2	1246343.9	Residential	85	66	66	66	66	66	0.0	No
R0211	GF	N	293234.4	1245980.3	Residential	85	62	62	62	62	63	0.1	No
R0212	GF	E	293237.9	1247706.8	Residential	85	68	68	68	68	68	-0.1	No
R0213	GF	S	293237.2	1246261.7	Residential	85	62	62	62	62	62	-0.1	No
R0214	GF	E	293245.4	1247721.5	Residential	85	67	67	67	67	67	-0.2	No
R0215	GF	E	293238.6	1246328.1	Residential	85	65	65	65	65	65	0.0	No
R0216	GF	E	293247.4	1247739.4	Residential	85	66	66	66	66	66	0.0	No
R0216	F 1	E	293247.4	1247739.4	Residential	85	69	69	69	69	69	-0.2	No
R0216	F 2	E	293247.4	1247739.4	Residential	85	70	70	70	70	70	-0.1	No
R0217	GF	N	293237.0	1246046.3	Residential	85	61	61	61	61	61	0.0	No
R0219	GF	E	293244.9	1247752.3	Residential	85	66	66	65	65	66	-0.1	No
R0220	GF	N	293236.6	1246317.0	Residential	85	66	66	65	65	66	-0.1	No
R0221	GF	S	293239.3	1247833.5	Residential	85	65	65	65	65	65	0.0	No
R0222	GF	N	293240.5	1245938.8	Residential	85	60	60	60	60	60	0.2	No
R0222	F 1	N	293240.5	1245938.8	Residential	85	66	66	64	64	65	-0.3	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0223	GF	N	293241.8	1246528.7	Residential	85	69	69	69	69	69	-0.2	No
R0225	GF	E	293253.5	1247790.6	Residential	85	67	67	67	67	67	-0.1	No
R0225	F 1	E	293253.5	1247790.6	Residential	85	70	70	70	70	70	0.0	No
R0226	GF	S	293247.9	1246217.9	Residential	85	61	61	61	61	61	-0.2	No
R0227	GF	E	293248.9	1246297.4	Residential	85	62	62	62	62	62	0.1	No
R0229	GF	E	293247.2	1246000.9	Residential	85	62	62	62	62	62	0.0	No
R0230	GF	N	293249.6	1246103.3	Residential	85	64	64	64	64	64	-0.2	No
R0231	GF	E	293249.2	1247676.7	Residential	85	67	67	66	66	67	0.0	No
R0233	GF	SE	293255.0	1247550.6	Residential	85	66	66	65	65	66	-0.1	No
R0234	GF	E	293252.3	1247581.0	Residential	85	66	66	65	65	66	0.0	No
R0235	GF	E	293267.2	1247614.5	Residential	85	66	66	66	66	66	-0.1	No
R0236	GF	NE	293256.2	1246277.5	Residential	85	63	63	63	63	63	-0.3	No
R0237	GF	NE	293252.7	1246515.1	Residential	85	69	69	68	68	68	-0.2	No
R0238	GF	E	293255.4	1247595.5	Residential	85	67	67	66	66	66	-0.2	No
R0239	GF	N	293248.0	1245985.5	Residential	85	64	64	63	63	64	0.0	No
R0242	GF	N	293256.0	1245939.0	Residential	85	61	61	60	60	61	-0.1	No
R0243	GF	S	293255.3	1247560.9	Residential	85	63	63	63	63	63	-0.1	No
R0243	F 1	S	293255.3	1247560.9	Residential	85	67	67	67	67	67	-0.1	No
R0244	GF	S	293257.7	1247762.8	Residential	85	64	64	63	63	64	0.0	No
R0245	GF	E	293264.2	1247841.5	Residential	85	64	64	63	63	64	0.0	No
R0246	GF	N	293259.3	1246054.8	Residential	85	63	63	63	63	63	0.0	No
R0247	GF	S	293260.6	1247792.7	Residential	85	66	66	66	66	66	-0.1	No
R0249	GF	NE	293266.5	1246506.2	Residential	85	69	69	68	68	68	-0.2	No
R0250	GF	E	293268.7	1247630.4	Residential	85	67	67	67	67	67	-0.1	No
R0250	F 1	E	293268.7	1247630.4	Residential	85	70	70	70	70	70	-0.2	No
R0251	GF	E	293271.7	1247646.4	Residential	85	67	67	67	67	67	-0.1	No
R0251	F 1	E	293271.7	1247646.4	Residential	85	70	70	70	70	70	-0.1	No
R0252	GF	NE	293265.7	1245987.2	Residential	85	62	62	62	62	62	0.0	No
R0254	GF	N	293265.1	1246091.6	Residential	85	64	64	63	63	63	-0.1	No
R0254	F 1	N	293265.1	1246091.6	Residential	85	66	66	66	66	66	-0.1	No
R0255	GF	E	293274.6	1247661.9	Residential	85	68	68	68	68	68	0.1	No
R0258	GF	SE	293273.1	1246228.3	Residential	85	64	64	64	64	64	0.0	No
R0259	GF	NE	293294.6	1246484.3	Residential	85	69	69	69	69	69	0.2	No
R0260	GF	N	293301.9	1247583.5	Residential	85	64	64	63	63	64	0.0	No
R0260	F 1	N	293301.9	1247583.5	Residential	85	68	68	68	68	68	0.0	No
R0261	GF	E	293280.6	1247561.6	Residential	85	65	65	65	65	65	-0.2	No
R0262	GF	E	293295.2	1246482.5	Residential	85	69	69	68	68	69	0.1	No
R0263	GF	E	293274.6	1246104.0	Residential	85	65	65	64	64	65	-0.1	No
R0264	GF	S	293272.3	1247681.7	Residential	85	69	69	68	68	69	-0.2	No
R0267	GF	E	293282.6	1247703.4	Residential	85	68	68	67	67	68	-0.3	No
R0268	GF	N	293273.9	1246054.9	Residential	85	63	63	63	63	63	0.0	No
R0269	GF	N	293273.9	1245946.4	Residential	85	60	60	60	60	60	0.2	No
R0270	GF	S	293275.5	1247792.3	Residential	85	61	61	61	61	61	0.1	No
R0270	F 1	S	293275.5	1247792.3	Residential	85	70	70	69	69	70	-0.1	No
R0271	GF	E	293285.8	1247715.1	Residential	85	66	66	66	66	66	-0.1	No
R0271	F 1	E	293285.8	1247715.1	Residential	85	70	70	70	70	70	-0.1	No
R0272	GF	E	293285.2	1247849.9	Residential	85	65	65	65	65	65	0.0	No
R0272	F 1	E	293285.2	1247849.9	Residential	85	68	68	68	68	68	-0.1	No
R0273	GF	E	293289.9	1247731.9	Residential	85	65	65	65	65	65	-0.2	No
R0273	F 1	E	293289.9	1247731.9	Residential	85	70	70	69	69	70	-0.2	No
R0274	GF	N	293278.3	1245992.0	Residential	85	63	63	63	63	63	0.1	No
R0276	GF	E	293293.1	1247763.2	Residential	85	66	66	66	66	66	-0.1	No
R0276	F 1	E	293293.1	1247763.2	Residential	85	70	70	70	70	70	-0.2	No
R0277	GF	NW	293287.8	1246329.9	Educational institute	n/a	64	64	64	64	64	0.2	No
R0277	F 1	NW	293287.8	1246329.9	Educational institute	n/a	68	68	68	68	68	0.1	No
R0280	GF	N	293283.2	1246093.2	Residential	85	64	64	63	63	64	0.0	No
R0283	GF	E	293292.2	1247747.0	Residential	85	65	65	65	65	65	-0.1	No
R0283	F 1	E	293292.2	1247747.0	Residential	85	70	70	70	70	70	-0.2	No
R0284	GF	E	293307.1	1247289.2	Residential	85	69	69	68	68	69	-0.1	No
R0285	GF	E	293320.3	1247330.8	Residential	85	68	68	68	68	68	-0.1	No
R0285	F 1	E	293320.3	1247330.8	Residential	85	71	71	70	70	71	0.0	No
R0288	GF	E	293299.6	1246247.8	Residential	85	64	64	64	64	64	0.0	No
R0290	GF	N	293289.4	1246055.8	Residential	85	63	63	63	63	63	-0.2	No
R0290	F 1	N	293289.4	1246055.8	Residential	85	66	66	65	65	66	-0.4	No
R0291	GF	NW	293287.2	1246351.3	Educational institute	n/a	66	66	65	65	65	-0.2	No
R0292	GF	E	293297.7	1247778.6	Residential	85	66	66	66	66	66	-0.2	No
R0292	F 1	E	293297.7	1247778.6	Residential	85	70	70	70	70	70	-0.1	No
R0293	GF	N	293294.2	1245993.3	Residential	85	58	58	58	58	58	0.2	No
R0294	GF	E	293304.2	1245931.1	Residential	85	60	60	60	60	60	0.1	No
R0294	F 1	E	293304.2	1245931.1	Residential	85	66	66	65	65	66	-0.1	No
R0295	GF	E	293302.6	1247802.0	Residential	85	67	67	67	67	67	0.0	No
R0295	F 1	E	293302.6	1247802.0	Residential	85	70	70	69	69	70	-0.1	No
R0299	GF	S	293296.2	1247850.6	Residential	85	63	63	63	63	63	0.1	No
R0301	GF	S	293295.5	1247595.8	Residential	85	65	65	65	65	65	-0.1	No
R0302	GF	SE	293317.6	1246303.4	Educational institute	n/a	63	63	63	63	63	-0.2	No
R0302	F 1	SE	293317.6	1246303.4	Educational institute	n/a	65	65	64	64	64	-0.4	No
R0304	GF	E	293303.7	1247614.0	Residential	85	63	63	63	63	63	0.0	No
R0305	GF	N	293301.0	1246098.8	Residential	85	65	65	64	64	65	-0.3	No
R0306	GF	E	293304.8	1247627.5	Residential	85	63	63	63	63	63	-0.1	No
R0307	GF	E	293306.5	1247640.0	Residential	85	65	65	64	64	65	-0.1	No
R0308	GF	N	293303.4	1246053.1	Residential	85	64	64	63	63	64	0.2	No
R0309	GF	E	293310.9	1247392.0	Residential	85	67	67	67	67	67	-0.1	No
R0309	F 1	E	293310.9	1247392.0	Residential	85	71	71	70	70	71	-0.1	No
R0312	GF	N	293308.5	1246371.1	Educational institute	n/a	66	66	66	66	66	0.3	No
R0314	GF	E	293325.1	1246004.8	Residential	85	63	63	63	63	63	0.0	No
R0314	F 1	E	293325.1	1246004.8	Residential	85	67	67	66	66	67	0.2	No
R0314	F 2	E	293325.1	1246004.8	Residential	85	67	67	67	67	67	0.0	No
R0318	GF	E	293323.1	1247665.6	Residential	85	67	67	67	67	67	-0.1	No
R0319	GF	E	293364.1	1247461.3	Residential	85	61	61	61	61	61	0.0	No
R0319	F 1	E	293364.1	1247461.3	Residential	85	70	70	69	69	69	-0.2	No
R0321	GF	N	293315.3	1245945.0	Residential	85	62	62	62	62	62	0.1	No
R0323	GF	E	293321.8	1246097.0	Residential	85	65	65	64	64	64	-0.1	No
R0324	GF	E	293385.2	1247544.7	Residential	85	68	68	67	67	67	-0.2	No
R0324	F 1	E	293385.2	1247544.7	Residential	85	70	70	70	70	70	-0.3	No
R0325	GF	E	293327.5	1246050.2	Residential	85	63	63	62	62	63	0.1	No
R0326	GF	E	293333.1	1247678.1	Residential	85	68	68	67	67	68	-0.1	No
R0327	GF	E	293342.7	1247444.4	Residential	85	66	66	66	66	66	-0.1	No
R0327	F 1	E	293342.7	1247444.4	Residential	85	71	71	70	70	71	-0.2	No
R0328	GF	E	293333.4	1247694.6	Residential	85	69	69	68	68	69	-0.1	No
R0328	F 1	E	293333.4	1247694.6	Residential	85	70	70	70	70	70	0.0	No
R0329	GF	E	293330.2	1246368.8	Educational institute	n/a	67	67	67	67	67	-0.2	No
R0331	GF	S	293352.3	1247385.3	Residential	85	67	67	66	66	66	-0.2	No
R0331	F 1	S	293352.3	1247385.3	Residential	85	71	71	71	71	71	-0.2	No
R0332	GF	E	293332.9	1247709.5	Residential	85	69	69	68	68	68	-0.2	No
R0332	F 1	E	293332.9	1247709.5	Residential	85	70	70	70	70	70	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0333	GF	N	293328.7	1245943.6	Residential	85	62	62	62	62	62	0.1	No
R0334	GF	E	293339.4	1247723.6	Residential	85	68	68	68	68	68	0.0	No
R0334	F 1	E	293339.4	1247723.6	Residential	85	70	70	70	70	70	-0.2	No
R0335	GF	S	293330.6	1245910.5	Residential	85	62	62	62	62	62	0.1	No
R0336	GF	S	293328.5	1247859.7	Residential	85	63	63	62	62	63	0.1	No
R0336	F 1	S	293328.5	1247859.7	Residential	85	69	69	68	68	69	0.0	No
R0337	GF	E	293336.0	1247739.7	Residential	85	68	68	68	68	68	-0.2	No
R0339	GF	E	293354.8	1247493.1	Residential	85	62	62	62	62	62	0.1	No
R0339	F 1	E	293354.8	1247493.1	Residential	85	66	66	66	66	66	-0.1	No
R0339	F 2	E	293354.8	1247493.1	Residential	85	70	70	70	70	70	-0.1	No
R0339	F 3	E	293354.8	1247493.1	Residential	85	71	71	71	71	71	-0.1	No
R0340	GF	E	293378.6	1246365.5	Educational institute	n/a	65	65	65	65	65	-0.1	No
R0340	F 1	E	293378.6	1246365.5	Educational institute	n/a	68	68	67	67	67	-0.4	No
R0341	GF	E	293340.6	1247757.5	Residential	85	68	68	68	68	68	0.1	No
R0343	GF	E	293342.1	1247619.1	Residential	85	67	67	67	67	67	-0.1	No
R0343	F 1	E	293342.1	1247619.1	Residential	85	71	71	70	70	71	-0.2	No
R0345	GF	E	293341.0	1247799.0	Residential	85	67	67	67	67	67	-0.2	No
R0345	F 1	E	293341.0	1247799.0	Residential	85	70	70	69	69	69	-0.1	No
R0348	GF	S	293337.8	1247809.4	Residential	85	63	63	62	62	62	-0.2	No
R0348	F 1	S	293337.8	1247809.4	Residential	85	66	66	66	66	66	-0.1	No
R0349	GF	E	293348.0	1247775.0	Residential	85	67	67	67	67	67	0.0	No
R0349	F 1	E	293348.0	1247775.0	Residential	85	70	70	70	70	70	-0.1	No
R0353	GF	N	293338.5	1246057.8	Residential	85	63	63	63	63	63	0.1	No
R0354	GF	N	293339.6	1245993.2	Residential	85	64	64	64	64	64	0.0	No
R0354	F 1	N	293339.6	1245993.2	Residential	85	67	67	67	67	67	0.0	No
R0355	GF	N	293341.4	1246102.8	Residential	85	62	62	62	62	62	-0.2	No
R0355	F 1	N	293341.4	1246102.8	Residential	85	66	66	66	66	66	-0.1	No
R0356	GF	S	293341.8	1247862.4	Residential	85	63	63	63	63	63	0.1	No
R0362	GF	E	293349.6	1245938.6	Residential	85	60	60	60	60	61	0.2	No
R0363	GF	E	293374.6	1246326.8	Educational institute	n/a	63	63	63	63	63	0.0	No
R0363	F 1	E	293374.6	1246326.8	Educational institute	n/a	67	67	67	67	67	-0.3	No
R0364	GF	N	293350.8	1246057.3	Residential	85	63	63	63	63	63	-0.1	No
R0365	GF	S	293349.5	1247795.9	Residential	85	68	68	67	67	68	-0.1	No
R0365	F 1	S	293349.5	1247795.9	Residential	85	71	71	70	70	71	-0.1	No
R0366	GF	E	293379.0	1247629.4	Residential	85	68	68	68	68	68	-0.2	No
R0366	F 1	E	293379.0	1247629.4	Residential	85	70	70	70	70	70	-0.1	No
R0367	GF	E	293361.2	1246010.6	Residential	85	64	64	64	64	64	0.1	No
R0368	GF	N	293354.6	1247830.9	Residential	85	58	58	58	58	58	0.1	No
R0369	GF	N	293354.3	1245997.2	Residential	85	63	63	63	63	63	-0.1	No
R0374	GF	S	293357.0	1247863.9	Residential	85	65	65	64	64	65	-0.1	No
R0374	F 1	S	293357.0	1247863.9	Residential	85	69	69	69	69	69	-0.1	No
R0375	GF	N	293364.2	1245944.0	Residential	85	61	61	61	61	61	0.2	No
R0376	GF	N	293365.9	1245926.7	Residential	85	62	62	62	62	62	0.1	No
R0377	GF	E	293369.1	1246110.7	Residential	85	65	65	65	65	65	-0.1	No
R0378	GF	E	293370.0	1247048.8	Residential	85	66	66	65	65	66	0.0	No
R0379	GF	N	293361.3	1246101.2	Residential	85	62	62	62	62	62	0.1	No
R0380	GF	E	293394.1	1247583.4	Residential	85	68	68	68	68	68	-0.1	No
R0380	F 1	E	293394.1	1247583.4	Residential	85	71	71	70	70	70	-0.2	No
R0382	GF	S	293361.4	1247706.5	Residential	85	65	65	65	65	65	0.0	No
R0383	GF	E	293369.5	1247030.7	Residential	85	66	66	66	66	66	0.0	No
R0383	F 1	E	293369.5	1247030.7	Residential	85	70	70	70	70	70	0.1	No
R0384	GF	E	293372.4	1247060.1	Residential	85	65	65	65	65	65	-0.1	No
R0385	GF	N	293365.9	1246056.6	Residential	85	64	64	64	64	64	0.1	No
R0385	F 1	N	293365.9	1246056.6	Residential	85	66	66	66	66	66	0.0	No
R0386	GF	S	293362.5	1247727.5	Residential	85	66	66	66	66	66	-0.1	No
R0387	GF	S	293359.1	1247798.2	Residential	85	65	65	65	65	65	0.0	No
R0387	F 1	S	293359.1	1247798.2	Residential	85	71	71	71	71	71	-0.1	No
R0388	GF	E	293374.9	1247075.2	Residential	85	65	65	64	64	65	-0.1	No
R0390	GF	S	293368.1	1247869.9	Residential	85	65	65	64	64	65	0.0	No
R0390	F 1	S	293368.1	1247869.9	Residential	85	70	70	69	69	70	0.0	No
R0391	GF	N	293366.2	1246146.6	Residential	85	64	64	63	63	64	-0.1	No
R0392	GF	N	293368.5	1246004.6	Residential	85	64	64	63	63	63	-0.1	No
R0393	GF	E	293378.0	1247826.5	Residential	85	69	69	68	68	68	-0.4	No
R0393	F 1	E	293378.0	1247826.5	Residential	85	71	71	70	70	70	-0.2	No
R0396	GF	E	293408.7	1247434.9	Residential	85	64	64	63	63	64	-0.1	No
R0397	GF	N	293368.2	1247155.0	Residential	85	63	63	62	62	63	0.0	No
R0399	GF	E	293380.7	1247105.1	Residential	85	65	65	65	65	65	0.0	No
R0401	GF	E	293377.4	1247090.1	Residential	85	64	64	64	64	64	0.0	No
R0402	GF	NE	293375.4	1247020.0	Residential	85	66	66	66	66	66	0.1	No
R0403	GF	E	293378.4	1247659.2	Residential	85	69	69	68	68	69	-0.2	No
R0404	GF	E	293383.5	1247120.5	Residential	85	66	66	66	66	66	-0.1	No
R0405	GF	E	293378.8	1247807.4	Residential	85	68	68	67	67	68	-0.1	No
R0405	F 1	E	293378.8	1247807.4	Residential	85	70	70	70	70	70	0.0	No
R0408	GF	N	293377.5	1246104.0	Residential	85	65	65	65	65	65	-0.2	No
R0409	GF	E	293386.2	1247134.7	Residential	85	66	66	66	66	66	-0.1	No
R0410	GF	S	293375.5	1247671.9	Residential	85	69	69	69	69	69	-0.2	No
R0411	GF	E	293388.5	1247789.7	Residential	85	70	70	69	69	69	-0.2	No
R0411	F 1	E	293388.5	1247789.7	Residential	85	71	71	70	70	70	-0.2	No
R0412	GF	E	293388.0	1247714.6	Residential	85	66	66	66	66	66	-0.1	No
R0413	GF	E	293414.3	1247468.9	Residential	85	61	61	61	61	61	0.1	No
R0413	F 1	E	293414.3	1247468.9	Residential	85	68	68	68	68	68	0.0	No
R0413	F 2	E	293414.3	1247468.9	Residential	85	71	71	71	71	71	-0.2	No
R0414	GF	E	293392.8	1247749.5	Residential	85	67	67	66	66	67	-0.1	No
R0414	F 1	E	293392.8	1247749.5	Residential	85	71	71	71	71	71	-0.1	No
R0416	GF	N	293391.5	1246194.8	Residential	85	64	64	64	64	64	0.1	No
R0417	GF	E	293396.3	1247190.7	Residential	85	68	68	67	67	68	-0.1	No
R0418	GF	E	293392.6	1247168.7	Residential	85	67	67	67	67	67	0.0	No
R0419	GF	S	293378.8	1247689.9	Residential	85	68	68	68	68	68	-0.1	No
R0419	F 1	S	293378.8	1247689.9	Residential	85	71	71	71	71	71	-0.1	No
R0420	GF	E	293392.5	1247767.9	Residential	85	68	68	68	68	68	0.0	No
R0421	GF	N	293379.7	1246055.8	Residential	85	65	65	65	65	65	0.1	No
R0421	F 1	N	293379.7	1246055.8	Residential	85	67	67	66	66	67	0.0	No
R0422	GF	E	293389.8	1247153.7	Residential	85	67	67	66	66	66	-0.1	No
R0423	GF	NE	293385.7	1247009.9	Residential	85	65	65	65	65	65	0.0	No
R0424	GF	N	293383.4	1246143.8	Residential	85	64	64	64	64	64	-0.1	No
R0425	GF	N	293384.3	1245968.8	Residential	85	63	63	63	63	63	0.0	No
R0425	F 1	N	293384.3	1245968.8	Residential	85	67	67	67	67	67	0.0	No
R0426	GF	N	293386.5	1246008.5	Residential	85	64	64	64	64	64	-0.1	No
R0427	GF	E	293395.2	1247180.6	Residential	85	67	67	67	67	67	-0.1	No
R0428	GF	SE	293391.9	1247823.0	Residential	85	68	68	68	68	68	-0.3	No
R0429	GF	S	293427.4	1247882.7	Residential	85	65	65	64	64	65	-0.2	No
R0429	F 1	S	293427.4	1247882.7	Residential	85	70	70	69	69	70	-0.2	No
R0430	GF	E	293390.6	1247732.5	Residential	85	66	66	66	66	66	-0.1	No
R0434	GF	E	293403.8	1247401.4	Residential	85	66	66	65	65	65	-0.3	No
R0434	F 1	E	293403.8	1247401.4	Residential	85	72	72	72	72	72	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0436	GF	N	293403.9	1245929.4	Residential	85	63	63	63	63	63	0.0	No
R0436	F 1	N	293403.9	1245929.4	Residential	85	65	65	65	65	65	0.1	No
R0437	GF	SE	293397.8	1247209.5	Residential	85	66	66	65	65	65	-0.2	No
R0438	GF	E	293419.2	1246578.2	Active recreation	n/a	70	70	70	70	70	0.0	No
R0439	GF	E	293401.7	1246348.6	Educational institute	n/a	66	66	66	66	66	-0.2	No
R0439	F 1	E	293401.7	1246348.6	Educational institute	n/a	69	69	68	68	68	-0.4	No
R0441	GF	E	293393.6	1246124.0	Residential	85	63	63	63	63	63	0.1	No
R0442	GF	N	293397.0	1247279.9	Residential	85	66	66	66	66	66	0.0	No
R0443	GF	N	293395.7	1246102.6	Residential	85	65	65	64	64	65	0.0	No
R0445	GF	N	293406.2	1247521.2	Residential	85	64	64	64	64	64	0.0	No
R0446	GF	N	293397.0	1246061.2	Residential	85	64	64	64	64	64	-0.1	No
R0447	GF	SW	293392.6	1246989.2	Residential	85	66	66	66	66	66	-0.1	No
R0448	GF	N	293398.6	1246015.2	Residential	85	63	63	63	63	63	0.1	No
R0448	F 1	N	293398.6	1246015.2	Residential	85	67	67	66	66	67	0.1	No
R0451	GF	N	293398.3	1246148.2	Residential	85	64	64	64	64	64	-0.1	No
R0452	GF	E	293419.0	1245959.8	Residential	85	62	62	62	62	62	-0.1	No
R0452	F 1	E	293419.0	1245959.8	Residential	85	64	64	64	64	64	0.0	No
R0452	F 2	E	293419.0	1245959.8	Residential	85	69	69	69	69	69	0.0	No
R0454	GF	E	293440.5	1246310.1	Educational institute	n/a	65	65	65	65	65	-0.2	No
R0454	F 1	E	293440.5	1246310.1	Educational institute	n/a	68	68	67	67	67	-0.4	No
R0455	GF	S	293410.3	1247217.0	Residential	85	65	65	65	65	65	-0.1	No
R0456	GF	E	293412.7	1247049.7	Residential	85	64	64	64	64	64	0.0	No
R0457	GF	N	293406.5	1247345.8	Residential	85	65	65	64	64	65	0.0	No
R0458	GF	S	293408.8	1247029.3	Residential	85	65	65	64	64	65	-0.1	No
R0460	GF	E	293413.0	1247064.2	Residential	85	65	65	64	64	65	0.0	No
R0461	GF	E	293421.6	1247314.6	Residential	85	68	68	68	68	68	0.0	No
R0463	GF	W	293404.2	1247564.0	Residential	85	67	67	67	67	67	0.0	No
R0464	GF	E	293420.8	1247082.9	Residential	85	65	65	64	64	65	-0.1	No
R0465	GF	N	293411.6	1246059.3	Residential	85	64	64	63	63	64	0.0	No
R0465	F 1	N	293411.6	1246059.3	Residential	85	67	67	67	67	67	0.1	No
R0466	GF	N	293413.7	1247278.2	Residential	85	67	67	66	66	67	-0.1	No
R0467	GF	SW	293407.4	1246982.5	Residential	85	66	66	66	66	66	-0.1	No
R0468	GF	N	293411.1	1246104.9	Residential	85	65	65	65	65	65	0.2	No
R0469	GF	NE	293414.6	1246361.7	Educational institute	n/a	65	65	65	65	65	-0.1	No
R0470	GF	S	293422.8	1247093.8	Residential	85	64	64	64	64	64	0.0	No
R0471	GF	N	293412.4	1246019.8	Residential	85	64	64	64	64	64	-0.2	No
R0472	GF	N	293415.9	1246150.1	Residential	85	65	65	65	65	65	0.1	No
R0473	GF	N	293419.5	1247114.4	Residential	85	65	65	65	65	65	-0.1	No
R0477	GF	E	293424.0	1247653.0	Residential	85	68	68	67	67	68	-0.2	No
R0478	GF	E	293425.4	1247348.8	Residential	85	68	68	68	68	68	-0.1	No
R0478	F 1	E	293425.4	1247348.8	Residential	85	71	71	71	71	71	-0.2	No
R0479	GF	E	293424.2	1247230.3	Residential	85	66	66	65	65	66	0.0	No
R0482	GF	E	293423.6	1247330.3	Residential	85	69	69	68	68	69	-0.1	No
R0483	GF	E	293436.7	1246485.8	Active recreation	n/a	67	67	66	66	66	-0.4	No
R0483	F 1	E	293436.7	1246485.8	Active recreation	n/a	68	68	68	68	68	-0.3	No
R0484	GF	E	293432.7	1247383.3	Residential	85	68	68	67	67	67	-0.2	No
R0485	GF	E	293428.2	1247671.3	Residential	85	68	68	68	68	68	-0.1	No
R0485	F 1	E	293428.2	1247671.3	Residential	85	71	71	70	70	71	-0.2	No
R0487	GF	E	293430.4	1247830.4	Residential	85	68	68	67	67	68	-0.1	No
R0487	F 1	E	293430.4	1247830.4	Residential	85	70	70	70	70	70	-0.2	No
R0489	GF	S	293424.9	1247136.2	Residential	85	65	65	64	64	65	0.0	No
R0490	GF	E	293454.4	1246192.9	Residential	85	66	66	66	66	66	0.1	No
R0491	GF	E	293429.1	1247362.6	Residential	85	68	68	68	68	68	-0.1	No
R0492	GF	E	293438.4	1247416.2	Residential	85	66	66	66	66	66	-0.1	No
R0493	GF	S	293427.0	1247679.9	Residential	85	68	68	68	68	68	-0.1	No
R0493	F 1	S	293427.0	1247679.9	Residential	85	71	71	71	71	71	0.0	No
R0495	GF	N	293426.8	1247275.7	Residential	85	67	67	66	66	67	-0.1	No
R0496	GF	E	293429.3	1247159.5	Residential	85	66	66	65	65	66	-0.1	No
R0497	GF	E	293430.2	1247707.7	Residential	85	67	67	66	66	66	-0.1	No
R0498	GF	SW	293423.5	1246974.7	Residential	85	67	67	67	67	67	0.0	No
R0500	GF	E	293443.0	1247465.1	Residential	85	68	68	67	67	68	0.0	No
R0500	F 1	E	293443.0	1247465.1	Residential	85	71	71	71	71	71	-0.1	No
R0501	GF	N	293428.4	1246062.6	Residential	85	63	63	63	63	63	0.0	No
R0501	F 1	N	293428.4	1246062.6	Residential	85	66	66	66	66	67	0.2	No
R0503	GF	N	293426.0	1246018.5	Residential	85	64	64	64	64	64	0.0	No
R0503	F 1	N	293426.0	1246018.5	Residential	85	67	67	67	67	67	0.2	No
R0504	GF	S	293432.8	1247713.8	Residential	85	68	68	68	68	68	-0.1	No
R0504	F 1	S	293432.8	1247713.8	Residential	85	71	71	70	70	71	-0.3	No
R0505	GF	E	293434.8	1247800.3	Residential	85	67	67	67	67	67	-0.1	No
R0505	F 1	E	293434.8	1247800.3	Residential	85	71	71	71	71	71	0.0	No
R0506	GF	E	293434.3	1247399.0	Residential	85	67	67	67	67	67	-0.1	No
R0507	GF	E	293448.4	1245971.3	Residential	85	66	66	66	66	66	0.5	No
R0507	F 1	E	293448.4	1245971.3	Residential	85	68	68	68	68	68	0.0	No
R0508	GF	N	293430.2	1246103.1	Residential	85	61	61	61	61	61	0.0	No
R0509	GF	NE	293439.5	1246245.0	Residential	85	65	65	65	65	65	-0.1	No
R0512	GF	N	293445.4	1245935.5	Residential	85	63	63	63	63	63	0.0	No
R0512	F 1	N	293445.4	1245935.5	Residential	85	66	66	66	66	66	0.0	No
R0513	GF	E	293431.6	1246146.8	Residential	85	65	65	65	65	65	0.1	No
R0514	GF	N	293435.2	1247183.6	Residential	85	66	66	65	65	65	-0.2	No
R0515	GF	E	293438.2	1247523.3	Residential	85	65	65	64	64	65	-0.1	No
R0516	GF	E	293458.2	1246322.6	Educational institute	n/a	66	66	66	66	66	-0.1	No
R0518	GF	S	293431.7	1247212.5	Residential	85	66	66	66	66	66	-0.1	No
R0519	GF	SE	293437.5	1247737.7	Residential	85	67	67	67	67	67	0.0	No
R0520	GF	E	293445.0	1247483.2	Residential	85	68	68	68	68	68	-0.1	No
R0520	F 1	E	293445.0	1247483.2	Residential	85	71	71	71	71	71	-0.1	No
R0521	GF	E	293438.5	1247433.3	Residential	85	67	67	66	66	67	-0.1	No
R0521	F 1	E	293438.5	1247433.3	Residential	85	71	71	71	71	71	-0.1	No
R0522	GF	N	293433.8	1247545.8	Residential	85	65	65	65	65	65	0.0	No
R0523	GF	E	293442.2	1247449.6	Residential	85	68	68	67	67	67	-0.1	No
R0524	GF	SE	293438.9	1247022.3	Residential	85	66	66	66	66	66	0.0	No
R0525	GF	SE	293440.0	1247038.1	Residential	85	66	66	66	66	66	-0.1	No
R0526	GF	N	293432.4	1246120.6	Residential	85	65	65	65	65	65	0.3	No
R0527	GF	SE	293437.3	1247776.6	Residential	85	70	70	70	70	70	-0.1	No
R0530	GF	N	293436.9	1247828.4	Residential	85	68	68	68	68	68	-0.1	No
R0533	GF	S	293435.5	1246972.1	Residential	85	67	67	67	67	67	-0.1	No
R0534	GF	SE	293440.6	1247051.8	Residential	85	66	66	65	65	66	-0.2	No
R0534	F 1	SE	293440.6	1247051.8	Residential	85	71	71	70	70	71	-0.1	No
R0535	GF	S	293441.2	1247832.1	Residential	85	69	69	68	68	68	-0.1	No
R0537	GF	N	293442.4	1247107.8	Residential	85	66	66	66	66	66	-0.1	No
R0537	F 1	N	293442.4	1247107.8	Residential	85	68	68	68	68	68	0.0	No
R0538	GF	NE	293444.8	1246226.1	Residential	85	64	64	64	64	64	0.0	No
R0539	GF	S	293441.1	1247255.8	Residential	85	67	67	67	67	67	-0.1	No
R0541	GF	E	293448.4	1247144.5	Residential	85	65	65	64	64	65	0.0	No
R0542	GF	E	293451.5	1247514.5	Residential	85	67	67	66	66	67	-0.1	No
R0544	GF	S	293441.7	1247559.9	Residential	85	64	64	64	64	64	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0545	GF	N	293445.6	1246065.7	Residential	85	63	63	63	63	63	0.0	No
R0546	GF	E	293448.8	1247500.0	Residential	85	68	68	67	67	68	0.0	No
R0547	GF	N	293441.0	1246105.2	Residential	85	60	60	60	60	60	-0.2	No
R0550	GF	E	293451.7	1247165.9	Residential	85	66	66	66	66	66	-0.1	No
R0551	GF	E	293455.3	1247531.8	Residential	85	66	66	66	66	66	0.0	No
R0551	F 1	E	293455.3	1247531.8	Residential	85	71	71	70	70	71	0.0	No
R0552	GF	N	293446.4	1246149.4	Residential	85	64	64	64	64	64	0.0	No
R0553	GF	NE	293450.6	1246021.0	Residential	85	63	63	63	63	63	0.1	No
R0554	GF	E	293454.7	1247067.2	Residential	85	63	63	63	63	63	0.0	No
R0555	GF	S	293448.5	1247210.9	Residential	85	67	67	67	67	67	-0.1	No
R0555	F 1	S	293448.5	1247210.9	Residential	85	70	70	70	70	70	-0.1	No
R0556	GF	N	293449.4	1247182.9	Residential	85	66	66	66	66	66	-0.1	No
R0557	GF	E	293501.5	1246116.1	Residential	85	66	66	66	66	66	-0.1	No
R0557	F 1	E	293501.5	1246116.1	Residential	85	68	68	67	67	68	0.0	No
R0558	GF	E	293450.8	1247549.3	Residential	85	67	67	66	66	67	0.0	No
R0559	GF	E	293454.2	1247607.3	Residential	85	63	63	63	63	63	-0.1	No
R0561	GF	E	293457.2	1247821.5	Residential	85	68	68	67	67	68	0.1	No
R0563	GF	S	293450.8	1247730.0	Residential	85	66	66	66	66	66	-0.2	No
R0564	GF	NE	293467.6	1246228.3	Residential	85	65	65	65	65	65	0.0	No
R0565	GF	N	293454.9	1247104.3	Residential	85	67	67	66	66	67	-0.1	No
R0566	GF	E	293460.3	1247841.1	Residential	85	70	70	69	69	69	-0.3	No
R0567	GF	E	293459.0	1247567.7	Residential	85	66	66	66	66	66	-0.1	No
R0568	GF	NE	293456.1	1246976.6	Residential	85	66	66	66	66	66	-0.1	No
R0569	GF	S	293457.2	1247774.2	Residential	85	70	70	69	69	69	-0.3	No
R0569	F 1	S	293457.2	1247774.2	Residential	85	71	71	71	71	71	-0.2	No
R0572	GF	E	293462.8	1247582.9	Residential	85	66	66	66	66	66	0.0	No
R0573	GF	E	293467.3	1247615.3	Residential	85	66	66	66	66	66	-0.1	No
R0574	GF	E	293463.5	1247599.2	Residential	85	67	67	66	66	66	-0.2	No
R0574	F 1	E	293463.5	1247599.2	Residential	85	70	70	69	69	70	-0.1	No
R0576	GF	E	293471.7	1247306.4	Residential	85	66	66	66	66	66	0.0	No
R0576	F 1	E	293471.7	1247306.4	Residential	85	72	72	71	71	72	-0.2	No
R0577	GF	N	293456.6	1247271.3	Residential	85	67	67	67	67	67	0.0	No
R0577	F 1	N	293456.6	1247271.3	Residential	85	70	70	70	70	70	0.0	No
R0578	GF	E	293469.4	1246027.4	Residential	85	64	64	64	64	64	0.1	No
R0579	GF	N	293461.6	1247146.2	Residential	85	66	66	66	66	66	-0.1	No
R0580	GF	NE	293471.6	1245986.5	Residential	85	64	64	64	64	64	0.0	No
R0580	F 1	NE	293471.6	1245986.5	Residential	85	67	67	66	66	67	0.1	No
R0580	F 2	NE	293471.6	1245986.5	Residential	85	70	70	70	70	70	0.1	No
R0582	GF	N	293458.9	1246153.6	Residential	85	64	64	64	64	64	-0.1	No
R0584	GF	S	293462.2	1247165.8	Residential	85	67	67	67	67	67	-0.2	No
R0585	GF	S	293459.8	1247209.2	Residential	85	67	67	67	67	67	-0.1	No
R0587	GF	E	293477.2	1247325.4	Residential	85	65	65	65	65	65	0.0	No
R0589	GF	E	293469.5	1247631.4	Residential	85	67	67	66	66	67	0.0	No
R0590	GF	E	293472.2	1247649.0	Residential	85	67	67	67	67	67	-0.1	No
R0590	F 1	E	293472.2	1247649.0	Residential	85	71	71	70	70	71	-0.2	No
R0591	GF	E	293471.2	1247343.1	Residential	85	66	66	66	66	66	0.0	No
R0592	GF	E	293475.8	1247682.0	Residential	85	68	68	67	67	68	-0.2	No
R0592	F 1	E	293475.8	1247682.0	Residential	85	71	71	71	71	71	-0.2	No
R0593	GF	N	293468.0	1247072.8	Residential	85	64	64	64	64	64	0.0	No
R0594	GF	S	293466.2	1247842.6	Residential	85	70	70	69	69	69	-0.1	No
R0594	F 1	S	293466.2	1247842.6	Residential	85	71	71	71	71	71	-0.1	No
R0595	GF	SW	293465.1	1247004.3	Residential	85	64	64	64	64	64	-0.1	No
R0596	GF	E	293474.3	1247665.1	Residential	85	67	67	67	67	67	-0.2	No
R0598	GF	N	293471.4	1246967.2	Residential	85	67	67	66	66	67	-0.1	No
R0600	GF	E	293476.0	1246059.7	Residential	85	63	63	63	63	63	0.1	No
R0601	GF	N	293470.4	1247101.3	Residential	85	66	66	66	66	66	-0.1	No
R0603	GF	E	293475.7	1246046.9	Residential	85	63	63	64	64	64	0.1	No
R0604	GF	E	293474.7	1247360.2	Residential	85	66	66	66	66	66	0.0	No
R0606	GF	E	293475.5	1247256.0	Residential	85	67	67	67	67	67	0.0	No
R0609	GF	E	293481.0	1247716.0	Residential	85	69	69	68	68	68	-0.3	No
R0609	F 1	E	293481.0	1247716.0	Residential	85	72	72	71	71	71	-0.4	No
R0610	GF	E	293478.9	1247376.5	Residential	85	66	66	65	65	66	-0.1	No
R0611	GF	N	293487.2	1245940.3	Residential	85	65	65	65	65	66	0.3	No
R0611	F 1	N	293487.2	1245940.3	Residential	85	67	67	67	67	67	-0.1	No
R0613	GF	N	293480.1	1247144.3	Residential	85	67	67	66	66	67	-0.1	No
R0614	GF	E	293478.6	1247698.8	Residential	85	69	69	68	68	68	-0.1	No
R0615	GF	E	293481.1	1247392.4	Residential	85	65	65	65	65	65	-0.1	No
R0617	GF	E	293483.3	1247410.4	Residential	85	65	65	65	65	65	-0.1	No
R0620	GF	E	293485.0	1247733.1	Residential	85	69	69	69	69	69	-0.1	No
R0622	GF	N	293478.9	1247178.8	Residential	85	67	67	66	66	66	-0.2	No
R0624	GF	S	293478.0	1247206.6	Residential	85	67	67	67	67	67	-0.1	No
R0626	GF	S	293478.4	1247826.6	Residential	85	68	68	68	68	68	-0.2	No
R0628	GF	NE	293481.9	1246209.2	Residential	85	65	65	65	65	65	0.0	No
R0629	GF	E	293484.3	1247425.9	Residential	85	65	65	64	64	65	-0.1	No
R0630	GF	SW	293478.2	1246997.4	Residential	85	65	65	65	65	65	0.0	No
R0632	GF	SE	293489.4	1247061.6	Residential	85	64	64	64	64	64	0.0	No
R0633	GF	E	293486.8	1247442.8	Residential	85	66	66	66	66	66	0.0	No
R0634	GF	S	293481.7	1247770.2	Residential	85	70	70	70	70	70	-0.1	No
R0634	F 1	S	293481.7	1247770.2	Residential	85	71	71	71	71	71	-0.1	No
R0635	GF	NW	293475.8	1246155.9	Residential	85	63	63	62	62	63	0.2	No
R0636	GF	E	293488.5	1247027.7	Residential	85	66	66	66	66	66	-0.1	No
R0637	GF	N	293482.3	1247368.7	Residential	85	66	66	66	66	66	-0.2	No
R0638	GF	NE	293482.9	1246964.4	Residential	85	68	68	67	67	67	-0.2	No
R0638	F 1	NE	293482.9	1246964.4	Residential	85	72	72	72	72	72	-0.3	No
R0640	GF	E	293490.1	1247460.2	Residential	85	66	66	66	66	66	-0.1	No
R0640	F 1	E	293490.1	1247460.2	Residential	85	72	72	71	71	71	-0.2	No
R0642	GF	N	293482.1	1247100.8	Residential	85	66	66	66	66	66	-0.1	No
R0643	GF	E	293489.5	1247045.1	Residential	85	64	64	64	64	64	0.0	No
R0645	GF	S	293484.9	1247838.1	Residential	85	65	65	64	64	65	0.0	No
R0645	F 1	S	293484.9	1247838.1	Residential	85	71	71	70	70	71	-0.1	No
R0646	GF	E	293491.7	1247475.4	Residential	85	68	68	67	67	68	0.0	No
R0647	GF	N	293488.0	1247266.1	Residential	85	68	68	67	67	68	0.1	No
R0648	GF	NE	293489.0	1245998.7	Residential	85	65	65	65	65	65	0.0	No
R0648	F 1	NE	293489.0	1245998.7	Residential	85	68	68	68	68	68	-0.1	No
R0650	GF	N	293488.9	1247140.3	Residential	85	67	67	67	67	67	-0.1	No
R0652	GF	E	293495.1	1247492.0	Residential	85	67	67	66	66	67	-0.1	No
R0652	F 1	E	293495.1	1247492.0	Residential	85	71	71	71	71	71	-0.3	No
R0653	GF	E	293501.4	1246155.3	Residential	85	65	65	65	65	65	0.2	No
R0654	GF	E	293504.2	1247511.3	Residential	85	65	65	65	65	65	-0.1	No
R0654	F 1	E	293504.2	1247511.3	Residential	85	71	71	70	70	71	-0.1	No
R0655	GF	N	293494.3	1247176.2	Residential	85	67	67	66	66	67	-0.1	No
R0657	GF	S	293490.2	1247204.3	Residential	85	67	67	67	67	67	-0.1	No
R0658	GF	N	293494.2	1247444.3	Residential	85	67	67	67	67	67	0.0	No
R0662	GF	NE	293494.6	1246958.7	Residential	85	68	68	67	67	68	-0.1	No
R0664	GF	S	293499.4	1247766.9	Residential	85	69	69	69	69	69	-0.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0664	F 1	S	293499.4	1247766.9	Residential	85	71	71	71	71	71	-0.3	No
R0665	GF	E	293506.0	1247540.1	Residential	85	66	66	66	66	66	0.0	No
R0666	GF	E	293505.8	1247300.7	Residential	85	67	67	67	67	67	-0.1	No
R0667	GF	N	293501.5	1247006.1	Residential	85	67	67	66	66	67	-0.1	No
R0668	GF	E	293515.9	1247353.9	Residential	85	66	66	65	65	66	-0.2	No
R0669	GF	E	293504.9	1247558.7	Residential	85	65	65	64	64	65	0.0	No
R0670	GF	E	293500.0	1247095.0	Residential	85	67	67	66	66	67	0.0	No
R0672	GF	S	293499.2	1247246.2	Residential	85	68	68	68	68	68	-0.2	No
R0673	GF	E	293514.7	1247573.4	Residential	85	64	64	64	64	64	0.1	No
R0674	GF	S	293507.0	1247808.9	Residential	85	67	67	67	67	67	0.0	No
R0676	GF	E	293510.2	1247857.8	Residential	85	62	62	62	62	62	-0.1	No
R0676	F 1	E	293510.2	1247857.8	Residential	85	67	67	67	67	67	-0.3	No
R0676	F 2	E	293510.2	1247857.8	Residential	85	71	71	70	70	71	-0.2	No
R0677	GF	E	293517.2	1247839.4	Residential	85	63	63	62	62	63	0.1	No
R0677	F 1	E	293517.2	1247839.4	Residential	85	68	68	68	68	68	-0.2	No
R0678	GF	SE	293508.1	1246167.3	Residential	85	65	65	66	66	66	0.1	No
R0680	GF	E	293511.6	1247593.0	Residential	85	65	65	65	65	65	-0.1	No
R0680	F 1	E	293511.6	1247593.0	Residential	85	70	70	70	70	70	-0.3	No
R0681	GF	E	293513.3	1247336.5	Residential	85	66	66	65	65	65	-0.1	No
R0682	GF	S	293504.2	1247125.6	Residential	85	67	67	67	67	67	-0.2	No
R0684	GF	E	293512.4	1247608.7	Residential	85	66	66	66	66	66	0.0	No
R0685	GF	E	293515.9	1247152.2	Residential	85	68	68	67	67	68	-0.1	No
R0686	GF	E	293510.8	1247319.7	Residential	85	66	66	66	66	66	-0.1	No
R0687	GF	E	293512.8	1247792.1	Residential	85	68	68	68	68	68	-0.2	No
R0688	GF	N	293508.9	1247173.6	Residential	85	66	66	66	66	66	0.0	No
R0689	GF	E	293516.9	1246066.0	Residential	85	63	63	63	63	63	0.1	No
R0690	GF	S	293507.6	1247201.7	Residential	85	67	67	67	67	67	-0.1	No
R0691	GF	E	293513.4	1246028.1	Residential	85	64	64	64	64	64	0.1	No
R0693	GF	SE	293523.0	1246263.8	Active recreation	n/a	66	66	66	66	66	0.0	No
R0694	GF	E	293520.0	1247036.0	Residential	85	68	68	67	67	68	-0.1	No
R0694	F 1	E	293520.0	1247036.0	Residential	85	73	73	73	73	73	0.0	No
R0695	GF	NE	293511.8	1247000.5	Residential	85	67	67	67	67	67	0.0	No
R0696	GF	NE	293510.0	1246952.1	Residential	85	68	68	68	68	68	-0.1	No
R0697	GF	S	293513.8	1247617.3	Residential	85	66	66	65	65	65	-0.1	No
R0699	GF	SE	293517.2	1246043.1	Residential	85	64	64	64	64	64	0.1	No
R0700	GF	E	293518.5	1246189.6	Residential	85	66	66	66	66	66	0.1	No
R0701	GF	E	293518.3	1247367.8	Residential	85	66	66	65	65	66	-0.1	No
R0702	GF	S	293521.8	1247908.0	Residential	85	63	63	63	63	63	0.0	No
R0703	GF	E	293520.1	1247388.0	Residential	85	66	66	65	65	66	-0.1	No
R0703	F 1	E	293520.1	1247388.0	Residential	85	71	71	70	70	71	-0.2	No
R0706	GF	E	293518.6	1247641.6	Residential	85	66	66	66	66	66	-0.1	No
R0706	F 1	E	293518.6	1247641.6	Residential	85	70	70	70	70	70	-0.1	No
R0708	GF	S	293511.3	1247551.2	Residential	85	65	65	64	64	65	0.0	No
R0709	GF	E	293522.3	1247659.3	Residential	85	68	68	67	67	68	-0.1	No
R0709	F 1	E	293522.3	1247659.3	Residential	85	71	71	70	70	70	-0.3	No
R0710	GF	E	293526.2	1247419.8	Residential	85	67	67	67	67	67	-0.1	No
R0711	GF	E	293521.1	1247050.4	Residential	85	67	67	67	67	67	-0.1	No
R0712	GF	E	293524.2	1247072.6	Residential	85	68	68	68	68	68	-0.1	No
R0714	GF	SE	293523.1	1247080.0	Residential	85	67	67	67	67	67	-0.1	No
R0715	GF	N	293517.7	1247261.4	Residential	85	68	68	67	67	68	0.0	No
R0716	GF	E	293525.5	1247674.7	Residential	85	68	68	68	68	68	-0.1	No
R0717	GF	E	293521.8	1247403.8	Residential	85	67	67	66	66	67	-0.1	No
R0718	GF	N	293516.9	1245950.2	Residential	85	63	63	63	63	63	0.0	No
R0719	GF	E	293528.3	1247435.2	Residential	85	67	67	67	67	67	-0.1	No
R0721	GF	S	293518.1	1247124.0	Residential	85	67	67	67	67	67	-0.1	No
R0723	GF	E	293531.4	1247690.0	Residential	85	68	68	68	68	68	-0.1	No
R0724	GF	E	293528.1	1247708.5	Residential	85	69	69	68	68	69	0.0	No
R0725	GF	E	293536.9	1247505.1	Residential	85	67	67	67	67	67	-0.1	No
R0726	GF	E	293528.0	1247453.3	Residential	85	68	68	68	68	68	-0.1	No
R0727	GF	SW	293517.7	1247015.1	Residential	85	65	65	65	65	65	0.0	No
R0729	GF	NE	293527.6	1246941.5	Residential	85	69	69	68	68	68	-0.3	No
R0730	GF	S	293520.9	1247854.3	Residential	85	62	62	62	62	62	0.0	No
R0730	F 1	S	293520.9	1247854.3	Residential	85	67	67	67	67	67	-0.1	No
R0731	GF	N	293524.6	1247209.7	Residential	85	68	68	67	67	68	0.1	No
R0732	GF	E	293530.9	1246987.6	Residential	85	68	68	68	68	68	-0.1	No
R0733	GF	S	293522.9	1247156.6	Residential	85	67	67	67	67	67	-0.1	No
R0734	GF	E	293528.9	1247727.0	Residential	85	69	69	69	69	69	0.0	No
R0734	F 1	E	293528.9	1247727.0	Residential	85	72	72	71	71	72	0.0	No
R0737	GF	E	293533.4	1247470.0	Residential	85	67	67	67	67	67	0.0	No
R0737	F 1	E	293533.4	1247470.0	Residential	85	71	71	71	71	71	-0.1	No
R0739	GF	E	293545.3	1246117.6	Residential	85	67	67	67	67	67	0.0	No
R0739	F 1	E	293545.3	1246117.6	Residential	85	69	69	68	68	68	-0.1	No
R0739	F 2	E	293545.3	1246117.6	Residential	85	70	70	70	70	70	-0.1	No
R0741	GF	N	293530.5	1246070.0	Residential	85	67	67	67	67	67	-0.2	No
R0741	F 1	N	293530.5	1246070.0	Residential	85	69	69	69	69	69	-0.1	No
R0742	GF	E	293534.6	1247487.6	Residential	85	67	67	67	67	67	-0.1	No
R0742	F 1	E	293534.6	1247487.6	Residential	85	71	71	70	70	71	-0.3	No
R0745	GF	S	293530.0	1247240.9	Residential	85	67	67	67	67	67	-0.2	No
R0745	F 1	S	293530.0	1247240.9	Residential	85	71	71	71	71	71	-0.1	No
R0746	GF	N	293531.4	1245954.0	Residential	85	64	64	64	64	64	0.3	No
R0748	GF	S	293532.6	1247121.6	Residential	85	67	67	66	66	67	0.0	No
R0751	GF	E	293562.8	1246163.9	Commercial	n/a	66	66	66	66	66	-0.1	No
R0752	GF	SE	293537.1	1247008.3	Residential	85	67	67	67	67	67	-0.1	No
R0753	GF	E	293542.8	1247537.0	Residential	85	67	67	66	66	67	-0.1	No
R0753	F 1	E	293542.8	1247537.0	Residential	85	70	70	70	70	70	-0.2	No
R0754	GF	E	293543.7	1246224.8	Residential	85	65	65	65	65	65	0.1	No
R0756	GF	NE	293537.6	1246982.6	Residential	85	68	68	68	68	68	0.0	No
R0759	GF	N	293538.6	1247168.6	Residential	85	67	67	66	66	67	0.0	No
R0760	GF	S	293538.3	1247196.4	Residential	85	67	67	66	66	66	-0.2	No
R0761	GF	S	293539.0	1246923.7	Residential	85	71	71	71	71	71	0.0	No
R0762	GF	E	293550.6	1247586.5	Residential	85	66	66	66	66	66	0.0	No
R0762	F 1	E	293550.6	1247586.5	Residential	85	70	70	69	69	69	-0.1	No
R0766	GF	E	293544.2	1247551.3	Residential	85	67	67	66	66	66	-0.2	No
R0768	GF	S	293544.1	1247288.3	Residential	85	67	67	67	67	67	-0.1	No
R0768	F 1	S	293544.1	1247288.3	Residential	85	71	71	71	71	71	-0.1	No
R0769	GF	E	293548.6	1247569.2	Residential	85	66	66	66	66	66	-0.1	No
R0771	GF	E	293549.9	1245989.7	Residential	85	65	65	65	65	65	0.2	No
R0771	F 1	E	293549.9	1245989.7	Residential	85	67	67	67	67	67	0.1	No
R0773	GF	E	293548.4	1245975.0	Residential	85	66	66	66	66	66	0.0	No
R0774	GF	E	293552.1	1247313.0	Residential	85	66	66	66	66	66	-0.1	No
R0774	F 1	E	293552.1	1247313.0	Residential	85	72	72	72	72	72	-0.1	No
R0775	GF	W	293538.3	1247673.2	Residential	85	66	66	65	65	66	-0.1	No
R0778	GF	S	293555.1	1247756.8	Residential	85	68	68	68	68	68	-0.1	No
R0778	F 1	S	293555.1	1247756.8	Residential	85	71	71	70	70	71	-0.3	No
R0778	F 2	S	293555.1	1247756.8	Residential	85	72	72	71	71	71	-0.3	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0779	GF	S	293548.8	1247646.6	Residential	85	66	66	66	66	66	0.0	No
R0780	GF	E	293551.3	1247602.3	Residential	85	65	65	65	65	65	-0.2	No
R0780	F 1	E	293551.3	1247602.3	Residential	85	70	70	69	69	70	-0.1	No
R0781	GF	N	293548.6	1247255.0	Residential	85	67	67	67	67	67	0.1	No
R0782	GF	E	293554.8	1247618.7	Residential	85	65	65	65	65	65	0.0	No
R0783	GF	N	293549.8	1246631.8	Active recreation	n/a	70	70	69	69	70	0.1	No
R0784	GF	E	293553.4	1246019.9	Residential	85	63	63	63	63	64	0.1	No
R0787	GF	E	293554.5	1247330.3	Residential	85	66	66	65	65	66	0.0	No
R0788	GF	S	293546.8	1247117.8	Residential	85	67	67	67	67	67	0.0	No
R0791	GF	E	293582.0	1247777.1	Residential	85	63	63	63	63	63	0.0	No
R0791	F 1	E	293582.0	1247777.1	Residential	85	71	71	70	70	70	-0.2	No
R0792	GF	SE	293554.6	1246238.7	Residential	85	67	67	67	67	67	0.1	No
R0793	GF	E	293553.2	1246006.3	Residential	85	65	65	64	64	65	0.0	No
R0794	GF	SE	293555.6	1245947.1	Residential	85	65	65	65	65	65	-0.1	No
R0794	F 1	SE	293555.6	1245947.1	Residential	85	66	66	66	66	66	-0.2	No
R0795	GF	E	293558.9	1247346.8	Residential	85	66	66	66	66	66	0.0	No
R0798	GF	E	293558.5	1247635.9	Residential	85	64	64	64	64	64	0.0	No
R0799	GF	N	293550.1	1247733.7	Residential	85	67	67	66	66	67	-0.1	No
R0800	GF	W	293544.5	1247798.6	Residential	85	63	63	63	63	63	0.0	No
R0802	GF	S	293548.3	1246925.5	Residential	85	72	72	72	72	72	0.0	No
R0803	GF	N	293555.2	1247166.0	Residential	85	67	67	67	67	67	0.0	No
R0804	GF	N	293557.4	1246223.4	Residential	85	64	64	64	64	64	0.0	No
R0805	GF	E	293561.3	1247363.1	Residential	85	67	67	66	66	66	-0.2	No
R0807	GF	E	293559.2	1246041.8	Residential	85	64	64	64	64	65	0.4	No
R0807	F 1	E	293559.2	1246041.8	Residential	85	67	67	66	66	67	0.1	No
R0808	GF	N	293554.5	1247208.9	Residential	85	67	67	67	67	68	0.1	No
R0811	GF	S	293566.6	1247808.9	Residential	85	65	65	64	64	65	-0.2	No
R0811	F 1	S	293566.6	1247808.9	Residential	85	69	69	69	69	69	-0.3	No
R0812	GF	NE	293571.2	1246383.0	Residential	85	69	69	69	69	69	-0.1	No
R0814	GF	SE	293558.6	1246972.6	Residential	85	68	68	68	68	68	-0.2	No
R0815	GF	E	293559.0	1247376.6	Residential	85	67	67	67	67	67	0.0	No
R0816	GF	S	293560.1	1246288.0	Residential	85	66	66	66	66	66	-0.1	No
R0816	F 1	S	293560.1	1246288.0	Residential	85	68	68	68	68	68	-0.2	No
R0817	GF	E	293565.1	1246398.2	Residential	85	69	69	69	69	69	0.0	No
R0817	F 1	E	293565.1	1246398.2	Residential	85	71	71	71	71	71	-0.3	No
R0819	GF	E	293563.7	1247667.2	Residential	85	65	65	65	65	65	0.1	No
R0820	GF	S	293586.0	1247829.8	Residential	85	60	60	60	60	60	0.1	No
R0820	F 1	S	293586.0	1247829.8	Residential	85	66	66	66	66	66	-0.1	No
R0821	GF	E	293566.9	1247396.2	Residential	85	65	65	65	65	65	0.0	No
R0822	GF	SE	293566.6	1247019.0	Residential	85	68	68	68	68	68	0.1	No
R0823	GF	N	293555.0	1246070.5	Residential	85	67	67	67	67	67	0.1	No
R0823	F 1	N	293555.0	1246070.5	Residential	85	69	69	69	69	69	0.1	No
R0825	GF	E	293563.2	1247686.0	Residential	85	65	65	65	65	65	0.1	No
R0825	F 1	E	293563.2	1247686.0	Residential	85	71	71	70	70	71	0.0	No
R0826	GF	E	293567.8	1247069.3	Residential	85	66	66	66	66	66	-0.2	No
R0827	GF	E	293566.7	1247866.3	Residential	85	61	61	61	61	61	0.0	No
R0827	F 1	E	293566.7	1247866.3	Residential	85	67	67	66	66	67	0.0	No
R0828	GF	E	293566.4	1247701.4	Residential	85	66	66	66	66	66	0.0	No
R0829	GF	E	293566.2	1247413.0	Residential	85	67	67	66	66	67	0.0	No
R0831	GF	E	293565.7	1247055.5	Residential	85	66	66	66	66	66	-0.1	No
R0832	GF	N	293563.9	1247254.6	Residential	85	68	68	67	67	68	0.0	No
R0833	GF	N	293565.5	1247090.8	Residential	85	68	68	67	67	68	-0.2	No
R0834	GF	E	293570.5	1247426.0	Residential	85	66	66	66	66	66	0.0	No
R0835	GF	S	293562.5	1247116.7	Residential	85	68	68	68	68	68	-0.1	No
R0838	GF	E	293572.0	1247721.9	Residential	85	66	66	65	65	66	0.0	No
R0839	GF	E	293572.9	1247042.8	Residential	85	67	67	66	66	67	0.0	No
R0840	GF	E	293570.6	1247446.4	Residential	85	67	67	67	67	67	0.0	No
R0841	GF	NE	293576.8	1246250.5	Residential	85	67	67	67	67	67	0.0	No
R0843	GF	SE	293570.5	1246980.8	Residential	85	69	69	69	69	69	0.0	No
R0844	GF	E	293577.3	1247462.6	Residential	85	66	66	65	65	66	0.0	No
R0845	GF	N	293570.0	1247204.8	Residential	85	67	67	66	66	67	0.1	No
R0846	GF	E	293570.1	1246224.7	Residential	85	67	67	67	67	67	0.0	No
R0847	GF	N	293570.3	1247165.0	Residential	85	67	67	67	67	67	0.0	No
R0849	GF	E	293576.4	1247480.7	Residential	85	66	66	66	66	66	0.0	No
R0850	GF	SE	293572.3	1246936.3	Residential	85	74	74	74	74	74	0.0	No
R0851	GF	NE	293572.3	1246637.2	Active recreation	n/a	74	74	74	74	74	0.0	No
R0855	GF	NE	293576.9	1246930.9	Residential	85	75	75	75	75	75	0.0	No
R0856	GF	SE	293572.8	1246405.3	Residential	85	69	69	68	68	69	0.0	No
R0857	GF	E	293588.2	1246517.0	Residential	85	67	67	67	67	67	0.4	No
R0859	GF	E	293581.5	1247496.5	Residential	85	66	66	65	65	65	-0.1	No
R0860	GF	E	293588.8	1247285.5	Residential	85	69	69	69	69	69	-0.1	No
R0860	F 1	E	293588.8	1247285.5	Residential	85	73	73	73	73	73	0.0	No
R0863	GF	E	293584.1	1246217.6	Residential	85	67	67	67	67	67	0.0	No
R0864	GF	E	293581.5	1246535.6	Residential	85	68	68	68	68	68	0.0	No
R0865	GF	E	293587.2	1246506.8	Residential	85	67	67	68	68	68	0.2	No
R0867	GF	N	293579.1	1247252.0	Residential	85	68	68	67	67	68	-0.1	No
R0868	GF	SE	293580.2	1246349.7	Residential	85	66	66	66	66	66	0.0	No
R0869	GF	E	293581.9	1246484.7	Residential	85	67	67	67	67	67	0.1	No
R0871	GF	E	293584.5	1247529.6	Residential	85	66	66	66	66	66	0.0	No
R0872	GF	E	293587.4	1246550.6	Residential	85	66	66	66	66	66	0.1	No
R0873	GF	E	293587.4	1247878.7	Residential	85	61	61	60	60	61	0.0	No
R0874	GF	NE	293586.2	1246263.9	Residential	85	67	67	67	67	67	-0.1	No
R0875	GF	NE	293580.4	1246371.6	Residential	85	67	67	67	67	67	0.0	No
R0876	GF	E	293584.8	1247546.0	Residential	85	66	66	66	66	66	0.0	No
R0878	GF	NW	293573.5	1246332.0	Residential	85	61	61	61	61	61	0.7	No
R0878	F 1	NW	293573.5	1246332.0	Residential	85	64	64	64	64	65	0.8	No
R0879	GF	SE	293590.0	1246300.3	Residential	85	66	66	66	66	66	-0.1	No
R0879	F 1	SE	293590.0	1246300.3	Residential	85	69	69	69	69	69	0.0	No
R0880	GF	S	293579.1	1247113.8	Residential	85	68	68	68	68	68	0.0	No
R0881	GF	S	293577.6	1247353.1	Residential	85	67	67	66	66	67	0.0	No
R0882	GF	NE	293586.4	1246470.3	Residential	85	67	67	67	67	67	0.0	No
R0882	F 1	NE	293586.4	1246470.3	Residential	85	70	70	70	70	70	0.0	No
R0883	GF	NE	293590.0	1246607.1	Residential	85	73	73	73	73	73	0.1	No
R0883	F 1	NE	293590.0	1246607.1	Residential	85	74	74	74	74	74	0.0	No
R0884	GF	S	293585.6	1247555.2	Residential	85	66	66	66	66	66	-0.2	No
R0885	GF	SE	293584.6	1246985.4	Residential	85	70	70	70	70	70	0.1	No
R0886	GF	E	293596.4	1247341.5	Residential	85	67	67	67	67	67	-0.1	No
R0891	GF	N	293585.5	1247162.7	Residential	85	68	68	67	67	68	-0.1	No
R0893	GF	N	293585.5	1247206.1	Residential	85	68	68	68	68	68	0.1	No
R0894	GF	N	293588.2	1247084.4	Residential	85	67	67	67	67	67	0.0	No
R0894	F 1	N	293588.2	1247084.4	Residential	85	70	70	70	70	70	0.0	No
R0895	GF	E	293627.8	1245987.8	Residential	85	65	65	65	65	65	0.1	No
R0895	F 1	E	293627.8	1245987.8	Residential	85	67	67	67	67	67	0.1	No
R0895	F 2	E	293627.8	1245987.8	Residential	85	69	69	69	69	69	0.1	No
R0895	F 3	E	293627.8	1245987.8	Residential	85	72	72	72	72	72	0.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R0897	GF	E	293591.9	1247579.9	Residential	85	63	63	63	63	63	0.0	No
R0899	GF	E	293593.6	1247323.9	Residential	85	68	68	67	67	67	-0.1	No
R0900	GF	E	293588.7	1247306.8	Residential	85	69	69	68	68	69	-0.1	No
R0902	GF	E	293592.4	1247596.4	Residential	85	63	63	63	63	63	0.0	No
R0902	F 1	E	293592.4	1247596.4	Residential	85	70	70	69	69	70	0.0	No
R0905	GF	SE	293590.0	1246942.4	Residential	85	75	75	75	75	75	0.0	No
R0906	GF	S	293587.8	1246220.3	Residential	85	66	66	66	66	66	0.1	No
R0908	GF	S	293600.3	1247008.8	Residential	85	71	71	70	70	70	-0.2	No
R0909	GF	E	293597.5	1246414.3	Residential	85	67	67	67	67	67	0.1	No
R0911	GF	S	293596.1	1247605.1	Residential	85	65	65	64	64	65	0.1	No
R0911	F 1	S	293596.1	1247605.1	Residential	85	71	71	70	70	70	-0.2	No
R0914	GF	E	293618.6	1246339.2	Residential	85	68	68	69	69	69	0.1	No
R0914	F 1	E	293618.6	1246339.2	Residential	85	71	71	71	71	71	-0.1	No
R0916	GF	E	293610.7	1246026.4	Residential	85	65	65	65	65	65	-0.2	No
R0916	F 1	E	293610.7	1246026.4	Residential	85	67	67	67	67	67	-0.2	No
R0916	F 2	E	293610.7	1246026.4	Residential	85	70	70	70	70	70	-0.1	No
R0917	GF	S	293590.9	1247753.8	Residential	85	69	69	69	69	69	-0.2	No
R0917	F 1	S	293590.9	1247753.8	Residential	85	71	71	71	71	71	-0.2	No
R0918	GF	N	293593.9	1247250.4	Residential	85	68	68	68	68	68	-0.1	No
R0918	F 1	N	293593.9	1247250.4	Residential	85	71	71	70	70	71	0.0	No
R0919	GF	E	293604.3	1247390.3	Residential	85	67	67	66	66	66	-0.1	No
R0920	GF	E	293598.5	1247357.9	Residential	85	67	67	67	67	67	0.0	No
R0921	GF	E	293613.4	1246325.3	Residential	85	68	68	68	68	68	0.0	No
R0921	F 1	E	293613.4	1246325.3	Residential	85	71	71	71	71	71	-0.1	No
R0923	GF	E	293606.3	1247032.4	Residential	85	69	69	69	69	69	-0.1	No
R0924	GF	E	293603.3	1247627.8	Residential	85	64	64	63	63	64	0.1	No
R0925	GF	SE	293597.3	1246994.5	Residential	85	71	71	71	71	71	-0.2	No
R0926	GF	E	293602.5	1247374.5	Residential	85	66	66	66	66	66	-0.1	No
R0927	GF	N	293600.8	1246372.4	Residential	85	68	68	68	68	68	0.0	No
R0928	GF	S	293592.9	1246446.5	Residential	85	66	66	66	66	66	0.1	No
R0933	GF	SE	293598.6	1246949.4	Residential	85	75	75	75	75	75	-0.1	No
R0935	GF	E	293613.9	1247646.2	Residential	85	65	65	65	65	65	0.1	No
R0936	GF	E	293603.7	1246234.0	Residential	85	68	68	68	68	68	0.2	No
R0937	GF	E	293603.5	1247884.6	Residential	85	61	61	61	61	61	0.1	No
R0940	GF	S	293591.6	1247112.0	Residential	85	69	69	69	69	69	-0.1	No
R0941	GF	N	293600.4	1247160.6	Residential	85	68	68	67	67	67	-0.1	No
R0942	GF	N	293600.3	1247204.1	Residential	85	69	69	68	68	69	0.0	No
R0943	GF	N	293607.0	1246081.0	Residential	85	65	65	65	65	65	-0.1	No
R0943	F 1	N	293607.0	1246081.0	Residential	85	67	67	67	67	67	0.0	No
R0943	F 2	N	293607.0	1246081.0	Residential	85	70	70	69	69	69	-0.2	No
R0945	GF	E	293608.0	1247045.7	Residential	85	69	69	69	69	69	-0.2	No
R0947	GF	S	293600.7	1247673.1	Residential	85	66	66	66	66	66	0.0	No
R0948	GF	E	293606.2	1247661.5	Residential	85	66	66	66	66	66	0.0	No
R0949	GF	E	293632.6	1247787.3	Residential	85	69	69	68	68	69	-0.3	No
R0949	F 1	E	293632.6	1247787.3	Residential	85	71	71	71	71	71	-0.3	No
R0950	GF	S	293605.9	1246249.0	Residential	85	66	66	66	66	66	0.0	No
R0951	GF	E	293615.6	1247075.4	Residential	85	69	69	69	69	69	0.0	No
R0953	GF	E	293607.0	1247410.0	Residential	85	66	66	66	66	66	0.0	No
R0954	GF	N	293601.0	1246357.2	Residential	85	66	66	66	66	66	0.1	No
R0956	GF	E	293607.7	1247595.4	Residential	85	65	65	64	64	65	0.0	No
R0958	GF	E	293610.8	1247425.2	Residential	85	66	66	66	66	66	0.0	No
R0959	GF	E	293611.0	1247695.4	Residential	85	67	67	67	67	67	0.0	No
R0959	F 1	E	293611.0	1247695.4	Residential	85	72	72	72	72	72	-0.1	No
R0961	GF	E	293609.4	1247055.6	Residential	85	69	69	68	68	68	-0.1	No
R0964	GF	E	293645.5	1247856.3	Residential	85	65	65	65	65	65	-0.2	No
R0964	F 1	E	293645.5	1247856.3	Residential	85	69	69	68	68	69	-0.1	No
R0964	F 2	E	293645.5	1247856.3	Residential	85	70	70	70	70	70	-0.1	No
R0965	GF	S	293610.8	1247704.6	Residential	85	68	68	67	67	68	-0.1	No
R0966	GF	E	293612.8	1246405.6	Residential	85	67	67	67	67	67	-0.1	No
R0968	GF	E	293639.5	1247833.7	Residential	85	69	69	68	68	68	-0.3	No
R0968	F 1	E	293639.5	1247833.7	Residential	85	70	70	70	70	70	-0.3	No
R0969	GF	E	293615.5	1247458.4	Residential	85	66	66	65	65	66	0.0	No
R0972	GF	E	293612.3	1247441.0	Residential	85	66	66	65	65	66	0.0	No
R0972	F 1	E	293612.3	1247441.0	Residential	85	70	70	70	70	70	-0.4	No
R0973	GF	S	293607.3	1247109.2	Residential	85	69	69	69	69	69	0.0	No
R0974	GF	N	293610.0	1247248.0	Residential	85	68	68	68	68	68	0.0	No
R0976	GF	SE	293610.9	1246954.4	Residential	85	74	74	74	74	74	-0.1	No
R0977	GF	E	293618.5	1247490.4	Residential	85	66	66	66	66	66	0.1	No
R0978	GF	E	293617.4	1247476.0	Residential	85	66	66	66	66	66	0.1	No
R0979	GF	E	293618.5	1246348.8	Residential	85	69	69	69	69	69	0.0	No
R0980	GF	N	293612.2	1246234.6	Residential	85	68	68	68	68	68	0.1	No
R0982	GF	SE	293621.4	1246256.4	Residential	85	68	68	68	68	68	0.0	No
R0983	GF	E	293616.7	1247890.1	Residential	85	63	63	63	63	63	0.0	No
R0983	F 1	E	293616.7	1247890.1	Residential	85	66	66	66	66	66	0.0	No
R0984	GF	E	293625.9	1247555.4	Residential	85	67	67	67	67	67	-0.1	No
R0984	F 1	E	293625.9	1247555.4	Residential	85	71	71	71	71	71	-0.2	No
R0985	GF	N	293615.5	1247157.9	Residential	85	68	68	67	67	68	0.0	No
R0986	GF	E	293634.9	1247806.2	Residential	85	69	69	69	69	69	-0.1	No
R0986	F 1	E	293634.9	1247806.2	Residential	85	71	71	71	71	71	-0.2	No
R0986	F 2	E	293634.9	1247806.2	Residential	85	72	72	72	72	72	-0.3	No
R0987	GF	N	293616.0	1246459.6	Residential	85	67	67	67	67	67	0.0	No
R0990	GF	N	293615.5	1247201.9	Residential	85	69	69	68	68	69	-0.1	No
R0991	GF	E	293631.7	1247573.7	Residential	85	68	68	68	68	68	-0.1	No
R0991	F 1	E	293631.7	1247573.7	Residential	85	71	71	71	71	71	-0.2	No
R0994	GF	E	293630.1	1247772.0	Residential	85	69	69	69	69	69	-0.3	No
R0994	F 1	E	293630.1	1247772.0	Residential	85	71	71	71	71	71	-0.1	No
R0995	GF	E	293625.3	1247523.1	Residential	85	66	66	66	66	66	-0.1	No
R0996	GF	E	293624.1	1246363.1	Residential	85	69	69	69	69	69	0.1	No
R0997	GF	S	293613.8	1247669.7	Residential	85	66	66	66	66	66	0.1	No
R1000	GF	E	293621.1	1247693.2	Residential	85	66	66	65	65	66	0.0	No
R1001	GF	E	293625.8	1247539.8	Residential	85	66	66	66	66	66	-0.1	No
R1002	GF	S	293618.4	1247742.5	Residential	85	70	70	69	69	70	-0.1	No
R1002	F 1	S	293618.4	1247742.5	Residential	85	71	71	71	71	71	-0.3	No
R1003	GF	E	293638.9	1247604.3	Residential	85	68	68	68	68	68	-0.1	No
R1003	F 1	E	293638.9	1247604.3	Residential	85	72	72	71	71	71	-0.2	No
R1007	GF	E	293631.3	1246276.8	Residential	85	68	68	68	68	68	-0.2	No
R1009	GF	N	293623.6	1247245.2	Residential	85	68	68	67	67	68	0.1	No
R1011	GF	E	293631.1	1246407.3	Residential	85	68	68	69	69	69	0.3	No
R1012	GF	NE	293630.3	1246969.6	Residential	85	75	75	75	75	75	-0.1	No
R1013	GF	E	293632.8	1247113.6	Residential	85	71	71	71	71	71	0.0	No
R1014	GF	S	293624.1	1247651.1	Residential	85	65	65	65	65	65	0.0	No
R1016	GF	E	293632.9	1247281.6	Residential	85	68	68	68	68	68	0.0	No
R1018	GF	N	293627.5	1247307.4	Residential	85	66	66	65	65	66	0.0	No
R1018	F 1	N	293627.5	1247307.4	Residential	85	72	72	72	72	72	-0.1	No
R1019	GF	E	293633.4	1247894.1	Residential	85	62	62	61	61	62	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1020	GF	W	293621.5	1247674.9	Residential	85	65	65	65	65	65	0.2	No
R1021	GF	E	293633.3	1247590.1	Residential	85	69	69	68	68	69	-0.1	No
R1022	GF	N	293630.5	1247195.5	Residential	85	68	68	68	68	68	-0.1	No
R1023	GF	S	293629.5	1247313.3	Residential	85	68	68	67	67	67	-0.2	No
R1023	F 1	S	293629.5	1247313.3	Residential	85	72	72	72	72	72	-0.1	No
R1024	GF	E	293635.6	1246107.0	Residential	85	69	69	69	69	69	0.1	No
R1024	F 1	E	293635.6	1246107.0	Residential	85	72	72	72	72	72	-0.2	No
R1024	F 2	E	293635.6	1246107.0	Residential	85	73	73	73	73	73	-0.2	No
R1027	GF	SE	293633.2	1246221.8	Residential	85	68	68	68	68	68	-0.2	No
R1028	GF	N	293634.1	1247154.6	Residential	85	68	68	67	67	68	0.0	No
R1029	GF	E	293641.6	1246505.2	Residential	85	70	70	70	70	70	0.0	No
R1031	GF	S	293632.5	1246445.4	Residential	85	67	67	68	68	68	0.2	No
R1032	GF	E	293639.9	1247623.4	Residential	85	68	68	68	68	68	-0.1	No
R1033	GF	E	293639.1	1247334.7	Residential	85	66	66	66	66	66	-0.2	No
R1033	F 1	E	293639.1	1247334.7	Residential	85	71	71	71	71	71	-0.3	No
R1034	GF	SE	293638.2	1246982.6	Residential	85	76	76	75	75	75	-0.2	No
R1035	GF	S	293637.0	1247344.3	Residential	85	67	67	66	66	67	-0.1	No
R1036	GF	SE	293644.9	1246044.3	Residential	85	67	67	67	67	67	0.0	No
R1036	F 1	SE	293644.9	1246044.3	Residential	85	70	70	70	70	70	0.0	No
R1036	F 2	SE	293644.9	1246044.3	Residential	85	72	72	72	72	72	0.0	No
R1039	GF	E	293642.9	1247368.3	Residential	85	64	64	63	63	64	-0.1	No
R1042	GF	N	293638.5	1247243.9	Residential	85	68	68	68	68	68	0.0	No
R1043	GF	E	293642.1	1247003.4	Residential	85	75	75	75	75	75	-0.2	No
R1044	GF	E	293644.4	1247386.3	Residential	85	66	66	65	65	66	-0.1	No
R1045	GF	E	293642.5	1247641.4	Residential	85	67	67	67	67	67	-0.2	No
R1045	F 1	E	293642.5	1247641.4	Residential	85	71	71	71	71	71	-0.1	No
R1047	GF	E	293645.1	1246515.3	Residential	85	69	69	69	69	69	-0.1	No
R1048	GF	E	293643.8	1246136.9	Residential	85	69	69	69	69	69	0.0	No
R1048	F 1	E	293643.8	1246136.9	Residential	85	72	72	72	72	72	0.0	No
R1048	F 2	E	293643.8	1246136.9	Residential	85	73	73	73	73	73	-0.1	No
R1049	GF	E	293677.8	1246551.2	Residential	85	66	66	67	67	67	0.4	No
R1049	F 1	E	293677.8	1246551.2	Residential	85	69	69	69	69	69	0.4	No
R1050	GF	E	293645.3	1247656.9	Residential	85	66	66	66	66	66	-0.1	No
R1050	F 1	E	293645.3	1247656.9	Residential	85	71	71	70	70	70	-0.1	No
R1052	GF	SE	293643.0	1246286.6	Residential	85	69	69	69	69	69	-0.1	No
R1053	GF	E	293647.0	1247016.0	Residential	85	75	75	75	75	75	-0.2	No
R1054	GF	E	293660.1	1246567.3	Residential	85	62	62	63	63	63	0.1	No
R1054	F 1	E	293660.1	1246567.3	Residential	85	67	67	67	67	67	0.2	No
R1055	GF	SE	293660.7	1246002.4	Residential	85	67	67	67	67	67	-0.1	No
R1055	F 1	SE	293660.7	1246002.4	Residential	85	69	69	69	69	69	-0.1	No
R1055	F 2	SE	293660.7	1246002.4	Residential	85	71	71	71	71	71	0.0	No
R1055	F 3	SE	293660.7	1246002.4	Residential	85	74	74	74	74	74	0.1	No
R1057	GF	S	293639.1	1247293.1	Residential	85	67	67	67	67	67	-0.2	No
R1058	GF	E	293646.7	1247672.6	Residential	85	67	67	67	67	67	0.1	No
R1058	F 1	E	293646.7	1247672.6	Residential	85	71	71	71	71	71	-0.1	No
R1059	GF	E	293648.6	1247403.3	Residential	85	66	66	66	66	66	0.0	No
R1060	GF	E	293648.4	1247034.6	Residential	85	75	75	75	75	75	-0.2	No
R1061	GF	S	293645.2	1247877.0	Residential	85	66	66	66	66	66	0.0	No
R1062	GF	N	293651.2	1246086.0	Residential	85	68	68	68	68	68	0.3	No
R1062	F 1	N	293651.2	1246086.0	Residential	85	73	73	72	72	72	-0.1	No
R1062	F 2	N	293651.2	1246086.0	Residential	85	74	74	74	74	74	-0.1	No
R1063	GF	E	293651.7	1247706.6	Residential	85	68	68	68	68	68	0.0	No
R1064	GF	E	293646.1	1246173.1	Residential	85	69	69	69	69	69	0.2	No
R1064	F 1	E	293646.1	1246173.1	Residential	85	72	72	72	72	72	-0.1	No
R1064	F 2	E	293646.1	1246173.1	Residential	85	73	73	73	73	73	-0.2	No
R1065	GF	S	293642.1	1247062.2	Residential	85	73	73	73	73	73	0.0	No
R1066	GF	E	293648.3	1247048.8	Residential	85	75	75	75	75	75	-0.2	No
R1067	GF	S	293644.6	1246224.6	Residential	85	67	67	67	67	67	0.0	No
R1068	GF	N	293645.3	1247191.7	Residential	85	67	67	67	67	67	0.1	No
R1070	GF	S	293649.4	1247411.1	Residential	85	65	65	64	64	65	0.0	No
R1071	GF	SE	293652.2	1246297.9	Residential	85	69	69	69	69	69	0.0	No
R1071	F 1	SE	293652.2	1246297.9	Residential	85	72	72	72	72	72	-0.3	No
R1072	GF	E	293649.7	1247689.7	Residential	85	68	68	68	68	68	0.0	No
R1072	F 1	E	293649.7	1247689.7	Residential	85	72	72	71	71	71	-0.1	No
R1074	GF	E	293655.6	1247131.0	Residential	85	72	72	72	72	72	0.0	No
R1078	GF	E	293652.7	1247435.0	Residential	85	65	65	64	64	65	0.0	No
R1078	F 1	E	293652.7	1247435.0	Residential	85	70	70	69	69	69	-0.4	No
R1079	GF	E	293652.4	1247113.6	Residential	85	73	73	73	73	73	0.0	No
R1082	GF	N	293654.9	1246594.3	Residential	85	73	73	73	73	73	0.0	No
R1082	F 1	N	293654.9	1246594.3	Residential	85	74	74	73	73	73	-0.1	No
R1083	GF	E	293661.1	1247144.3	Residential	85	70	70	70	70	70	-0.1	No
R1084	GF	E	293657.3	1247451.9	Residential	85	65	65	65	65	65	0.0	No
R1091	GF	E	293657.5	1246450.9	Residential	85	67	67	67	67	67	0.2	No
R1092	GF	E	293656.7	1247468.9	Residential	85	66	66	65	65	66	0.0	No
R1093	GF	N	293653.5	1247240.6	Residential	85	68	68	68	68	68	0.0	No
R1094	GF	E	293658.0	1246314.9	Residential	85	69	69	69	69	69	0.0	No
R1095	GF	N	293654.9	1246409.8	Residential	85	68	68	68	68	68	0.2	No
R1097	GF	SE	293659.7	1246331.5	Residential	85	69	69	69	69	69	0.1	No
R1101	GF	N	293655.6	1246363.9	Residential	85	69	69	69	69	69	0.1	No
R1102	GF	E	293668.6	1247483.9	Residential	85	66	66	65	65	66	0.1	No
R1104	GF	S	293656.7	1246343.5	Residential	85	68	68	68	68	68	0.1	No
R1107	GF	N	293655.9	1246497.6	Residential	85	69	69	68	68	69	-0.1	No
R1108	GF	E	293662.7	1247070.7	Residential	85	74	74	74	74	75	0.1	No
R1116	GF	SE	293661.6	1246232.4	Residential	85	68	68	68	68	68	0.0	No
R1117	GF	S	293659.2	1247177.3	Residential	85	69	69	68	68	69	-0.1	No
R1119	GF	S	293662.6	1247512.9	Residential	85	67	67	67	67	67	-0.1	No
R1119	F 1	S	293662.6	1247512.9	Residential	85	71	71	70	70	71	-0.2	No
R1120	GF	E	293674.7	1247328.6	Residential	85	68	68	68	68	68	-0.1	No
R1120	F 1	E	293674.7	1247328.6	Residential	85	73	73	73	73	73	-0.2	No
R1121	GF	E	293668.4	1247276.3	Residential	85	68	68	68	68	68	-0.1	No
R1124	GF	E	293671.5	1247294.8	Residential	85	68	68	67	67	68	-0.1	No
R1125	GF	E	293671.3	1247532.9	Residential	85	65	65	65	65	65	0.0	No
R1127	GF	E	293682.5	1247345.5	Residential	85	68	68	67	67	68	0.0	No
R1127	F 1	E	293682.5	1247345.5	Residential	85	73	73	73	73	73	-0.2	No
R1128	GF	E	293670.1	1246100.0	Residential	85	70	70	70	70	70	0.0	No
R1130	GF	E	293669.0	1247310.2	Residential	85	68	68	68	68	68	-0.1	No
R1132	GF	S	293663.2	1247735.9	Residential	85	69	69	69	69	69	0.1	No
R1133	GF	E	293670.1	1247550.7	Residential	85	65	65	65	65	65	0.1	No
R1133	F 1	E	293670.1	1247550.7	Residential	85	70	70	69	69	70	-0.1	No
R1135	GF	E	293680.4	1247364.7	Residential	85	69	69	69	69	69	-0.1	No
R1135	F 1	E	293680.4	1247364.7	Residential	85	72	72	72	72	72	-0.1	No
R1137	GF	E	293675.7	1247231.8	Residential	85	69	69	68	68	69	0.0	No
R1139	GF	N	293671.3	1246403.7	Residential	85	69	69	69	69	69	0.0	No
R1140	GF	E	293672.7	1247566.4	Residential	85	66	66	66	66	66	0.2	No
R1142	GF	S	293668.2	1246436.6	Residential	85	68	68	68	68	68	0.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1143	GF	E	293674.0	1247584.1	Residential	85	66	66	66	66	66	-0.1	No
R1144	GF	W	293662.7	1247773.4	Residential	85	63	63	62	62	62	-0.2	No
R1144	F 1	W	293662.7	1247773.4	Residential	85	70	70	70	70	70	-0.1	No
R1146	GF	SE	293680.4	1246191.3	Residential	85	69	69	69	69	69	0.2	No
R1147	GF	S	293672.1	1247593.0	Residential	85	66	66	66	66	66	-0.2	No
R1148	GF	E	293682.8	1247378.0	Residential	85	69	69	68	68	69	0.0	No
R1148	F 1	E	293682.8	1247378.0	Residential	85	73	73	73	73	73	0.0	No
R1149	GF	E	293675.8	1246354.1	Residential	85	68	68	68	68	68	0.0	No
R1152	GF	E	293685.8	1246588.8	Residential	85	74	74	74	74	74	0.0	No
R1152	F 1	E	293685.8	1246588.8	Residential	85	75	75	75	75	75	0.0	No
R1153	GF	SE	293677.0	1246241.5	Residential	85	69	69	69	69	69	0.2	No
R1154	GF	E	293677.6	1246114.6	Residential	85	70	70	70	70	70	0.2	No
R1156	GF	E	293679.8	1247617.3	Residential	85	64	64	64	64	65	0.1	No
R1156	F 1	E	293679.8	1247617.3	Residential	85	69	69	68	68	69	-0.1	No
R1158	GF	S	293684.3	1247797.4	Residential	85	62	62	62	62	62	0.0	No
R1158	F 1	S	293684.3	1247797.4	Residential	85	69	69	69	69	69	-0.4	No
R1160	GF	S	293676.5	1246482.9	Residential	85	68	68	68	68	68	0.3	No
R1161	GF	E	293679.0	1246130.7	Residential	85	70	70	70	70	70	0.0	No
R1163	GF	E	293680.4	1246075.6	Residential	85	69	69	69	69	69	0.2	No
R1166	GF	W	293670.5	1247821.2	Residential	85	62	62	62	62	62	0.6	No
R1166	F 1	W	293670.5	1247821.2	Residential	85	66	66	66	66	67	0.3	No
R1168	GF	SE	293686.9	1246255.3	Residential	85	70	70	70	70	70	0.1	No
R1171	GF	E	293685.4	1247633.5	Residential	85	65	65	64	64	65	0.0	No
R1171	F 1	E	293685.4	1247633.5	Residential	85	69	69	69	69	69	-0.1	No
R1172	GF	NE	293685.8	1246183.4	Residential	85	70	70	70	70	70	0.1	No
R1174	GF	E	293683.1	1247649.8	Residential	85	66	66	65	65	66	0.0	No
R1174	F 1	E	293683.1	1247649.8	Residential	85	70	70	70	70	70	-0.1	No
R1175	GF	S	293678.6	1247833.9	Residential	85	64	64	64	64	64	-0.2	No
R1175	F 1	S	293678.6	1247833.9	Residential	85	68	68	68	68	68	-0.1	No
R1176	GF	E	293694.3	1247428.7	Residential	85	68	68	67	67	68	0.0	No
R1176	F 1	E	293694.3	1247428.7	Residential	85	72	72	71	71	72	-0.2	No
R1176	GF	E	293694.3	1247428.7	Residential	85	68	68	67	67	68	0.0	No
R1176	F 1	E	293694.3	1247428.7	Residential	85	72	72	71	71	72	-0.2	No
R1177	GF	E	293689.0	1247396.8	Residential	85	67	67	67	67	67	-0.1	No
R1178	GF	S	293687.5	1247734.2	Residential	85	70	70	70	70	70	-0.2	No
R1178	F 1	S	293687.5	1247734.2	Residential	85	72	72	71	71	72	-0.2	No
R1179	GF	S	293724.7	1247670.2	Commercial	n/a	69	69	68	68	69	-0.1	No
R1180	GF	E	293691.6	1247412.7	Residential	85	67	67	67	67	67	-0.1	No
R1180	F 1	E	293691.6	1247412.7	Residential	85	72	72	71	71	72	-0.2	No
R1181	GF	E	293692.2	1246278.0	Residential	85	70	70	70	70	70	-0.1	No
R1182	GF	N	293684.9	1246582.1	Residential	85	75	75	75	75	75	0.0	No
R1182	F 1	N	293684.9	1246582.1	Residential	85	76	76	75	75	76	0.0	No
R1183	GF	S	293689.9	1246385.6	Residential	85	70	70	70	70	70	0.0	No
R1184	GF	E	293691.8	1246524.4	Residential	85	70	70	69	69	70	0.0	No
R1185	GF	E	293689.8	1246161.8	Residential	85	71	71	71	71	71	-0.1	No
R1186	GF	S	293682.6	1247872.4	Residential	85	62	62	62	62	62	0.2	No
R1186	F 1	S	293682.6	1247872.4	Residential	85	63	63	62	62	62	-0.2	No
R1187	GF	E	293694.0	1246441.4	Residential	85	68	68	69	69	69	0.2	No
R1188	GF	E	293697.2	1246064.8	Residential	85	70	70	70	70	70	-0.1	No
R1189	GF	E	293700.1	1246292.3	Residential	85	70	70	70	70	70	0.0	No
R1191	GF	W	293681.5	1247860.9	Residential	85	62	62	62	62	62	-0.4	No
R1191	F 1	W	293681.5	1247860.9	Residential	85	63	63	63	63	63	-0.8	No
R1191	F 2	W	293681.5	1247860.9	Residential	85	64	64	63	63	63	-0.3	No
R1191	F 3	W	293681.5	1247860.9	Residential	85	64	64	62	62	63	-0.6	No
R1192	GF	NE	293691.5	1246356.2	Residential	85	69	69	69	69	69	0.1	No
R1193	GF	E	293694.2	1247445.0	Residential	85	68	68	67	67	68	-0.1	No
R1193	F 1	E	293694.2	1247445.0	Residential	85	72	72	71	71	71	-0.1	No
R1195	GF	E	293693.7	1247107.6	Residential	85	74	74	74	74	74	0.0	No
R1198	GF	S	293691.1	1247173.5	Residential	85	69	69	69	69	69	-0.2	No
R1200	GF	E	293700.6	1247511.1	Residential	85	68	68	68	68	68	-0.1	No
R1200	F 1	E	293700.6	1247511.1	Residential	85	71	71	71	71	71	-0.1	No
R1201	GF	E	293696.6	1247462.3	Residential	85	68	68	67	67	68	-0.1	No
R1202	GF	E	293700.0	1247121.5	Residential	85	72	72	72	72	72	0.0	No
R1203	GF	E	293700.6	1247478.9	Residential	85	68	68	67	67	68	-0.1	No
R1205	GF	E	293698.2	1246307.2	Residential	85	70	70	70	70	70	0.0	No
R1208	GF	E	293697.7	1247141.3	Residential	85	69	69	69	69	69	0.0	No
R1212	GF	E	293704.1	1246327.1	Residential	85	69	69	69	69	69	0.2	No
R1213	GF	SE	293706.0	1246016.2	Residential	85	71	71	71	71	71	0.0	No
R1213	F 1	SE	293706.0	1246016.2	Residential	85	72	72	72	72	72	0.1	No
R1213	F 2	SE	293706.0	1246016.2	Residential	85	73	73	74	74	74	0.1	No
R1215	GF	E	293700.1	1246508.4	Residential	85	68	68	68	68	68	0.2	No
R1217	GF	E	293711.0	1247530.2	Residential	85	67	67	67	67	67	-0.1	No
R1217	F 1	E	293711.0	1247530.2	Residential	85	71	71	71	71	71	-0.2	No
R1217	GF	E	293711.0	1247530.2	Residential	85	67	67	67	67	67	-0.1	No
R1217	F 1	E	293711.0	1247530.2	Residential	85	71	71	71	71	71	-0.2	No
R1220	GF	NE	293705.7	1246488.8	Residential	85	69	69	69	69	69	0.3	No
R1221	GF	N	293703.5	1247233.6	Residential	85	69	69	69	69	70	0.1	No
R1223	GF	E	293708.6	1247545.9	Residential	85	68	68	67	67	68	0.0	No
R1227	GF	N	293703.9	1247907.7	Residential	85	60	60	59	59	60	0.0	No
R1227	F 1	N	293703.9	1247907.7	Residential	85	62	62	61	61	62	0.0	No
R1228	GF	E	293715.2	1247577.2	Residential	85	67	67	66	66	67	0.0	No
R1230	GF	E	293710.9	1246342.1	Residential	85	71	71	71	71	71	0.2	No
R1231	GF	S	293704.7	1247264.3	Residential	85	69	69	68	68	69	0.1	No
R1233	GF	E	293712.3	1246082.2	Residential	85	70	70	70	70	70	0.0	No
R1234	GF	E	293707.8	1247558.3	Residential	85	69	69	68	68	68	-0.1	No
R1237	GF	E	293724.6	1247629.2	Residential	85	66	66	66	66	66	0.0	No
R1238	GF	E	293721.1	1247612.3	Residential	85	66	66	66	66	66	0.1	No
R1238	F 1	E	293721.1	1247612.3	Residential	85	70	70	70	70	70	-0.1	No
R1239	GF	E	293719.8	1247594.8	Residential	85	66	66	66	66	66	-0.1	No
R1239	F 1	E	293719.8	1247594.8	Residential	85	70	70	70	70	70	-0.2	No
R1239	F 2	E	293719.8	1247594.8	Residential	85	73	73	73	73	73	-0.2	No
R1240	GF	S	293709.4	1247171.5	Residential	85	69	69	69	69	69	-0.1	No
R1241	GF	E	293712.1	1246212.4	Residential	85	71	71	71	71	71	0.0	No
R1248	GF	E	293717.3	1247119.4	Residential	85	74	74	74	74	74	0.0	No
R1249	GF	E	293716.8	1247305.6	Residential	85	69	69	69	69	69	-0.2	No
R1250	GF	E	293714.5	1246388.0	Residential	85	71	71	71	71	71	0.2	No
R1251	GF	E	293714.1	1247287.9	Residential	85	69	69	68	68	69	-0.1	No
R1252	GF	E	293717.5	1246408.1	Residential	85	71	71	71	71	71	0.1	No
R1253	GF	NE	293714.2	1246450.6	Residential	85	70	70	70	70	70	0.1	No
R1254	GF	E	293727.3	1247318.5	Residential	85	69	69	68	68	69	-0.1	No
R1256	GF	E	293719.7	1246198.3	Residential	85	71	71	71	71	71	0.0	No
R1259	GF	E	293719.8	1247133.7	Residential	85	68	68	68	68	68	-0.1	No
R1260	GF	S	293725.9	1247730.2	Residential	85	70	70	69	69	69	-0.3	No
R1260	F 1	S	293725.9	1247730.2	Residential	85	72	72	71	71	72	-0.3	No
R1261	GF	N	293713.6	1247230.0	Residential	85	69	69	69	69	69	0.0	No
R1261	F 1	N	293713.6	1247230.0	Residential	85	73	73	72	72	72	-0.1	No
R1262	GF	E	293721.8	1246226.4	Residential	85	71	71	71	71	71	0.0	No
R1263	GF	E	293718.7	1246423.2	Residential	85	71	71	71	71	71	0.1	No
R1265	GF	E	293720.1	1246096.7	Residential	85	70	70	70	70	70	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1267	GF	E	293730.9	1247347.2	Residential	85	69	69	69	69	69	-0.1	No
R1267	F 1	E	293730.9	1247347.2	Residential	85	74	74	73	73	74	-0.3	No
R1270	GF	NW	293719.6	1246069.1	Residential	85	69	69	69	69	69	0.1	No
R1270	F 1	NW	293719.6	1246069.1	Residential	85	72	72	72	72	72	0.0	No
R1272	GF	E	293721.9	1247335.9	Residential	85	69	69	69	69	69	0.0	No
R1273	GF	E	293724.1	1247887.8	Residential	85	63	63	62	62	63	0.1	No
R1273	F 1	E	293724.1	1247887.8	Residential	85	65	65	64	64	65	0.2	No
R1274	GF	E	293726.6	1247642.6	Residential	85	67	67	66	66	67	0.0	No
R1275	GF	E	293728.1	1247365.4	Residential	85	69	69	69	69	69	-0.1	No
R1276	GF	E	293751.2	1247773.2	Residential	85	67	67	67	67	67	0.0	No
R1276	F 1	E	293751.2	1247773.2	Residential	85	68	68	68	68	68	-0.2	No
R1277	GF	E	293754.4	1247790.7	Residential	85	66	66	66	66	66	-0.1	No
R1277	F 1	E	293754.4	1247790.7	Residential	85	67	67	67	67	67	-0.1	No
R1280	GF	E	293725.2	1246129.9	Residential	85	72	72	72	72	72	0.1	No
R1282	GF	SE	293725.6	1246110.6	Residential	85	72	72	72	72	72	-0.1	No
R1285	GF	S	293721.3	1247168.0	Residential	85	69	69	69	69	69	-0.1	No
R1286	GF	E	293755.2	1247811.5	Residential	85	65	65	65	65	65	0.0	No
R1286	F 1	E	293755.2	1247811.5	Residential	85	67	67	66	66	67	-0.1	No
R1288	GF	E	293727.5	1247382.2	Residential	85	69	69	69	69	69	-0.1	No
R1288	F 1	E	293727.5	1247382.2	Residential	85	73	73	73	73	73	-0.2	No
R1290	GF	E	293745.6	1247753.9	Residential	85	68	68	68	68	68	-0.1	No
R1290	F 1	E	293745.6	1247753.9	Residential	85	70	70	70	70	70	-0.2	No
R1290	F 2	E	293745.6	1247753.9	Residential	85	72	72	72	72	72	-0.2	No
R1290	F 3	E	293745.6	1247753.9	Residential	85	74	74	74	74	74	-0.2	No
R1291	GF	E	293731.7	1247397.0	Residential	85	69	69	68	68	69	0.0	No
R1291	F 1	E	293731.7	1247397.0	Residential	85	73	73	72	72	73	-0.1	No
R1292	GF	E	293728.4	1246240.2	Residential	85	71	71	71	71	71	0.2	No
R1293	GF	SE	293728.8	1246146.1	Residential	85	71	71	71	71	71	0.0	No
R1294	GF	NE	293727.6	1246185.5	Residential	85	71	71	71	71	71	0.0	No
R1295	GF	SE	293742.0	1246036.7	Residential	85	74	74	74	74	74	0.0	No
R1295	F 1	SE	293742.0	1246036.7	Residential	85	75	75	75	75	75	0.1	No
R1298	GF	S	293726.2	1247128.1	Residential	85	73	73	73	73	73	-0.2	No
R1299	GF	N	293730.2	1247229.3	Residential	85	69	69	69	69	69	-0.1	No
R1302	GF	E	293732.6	1247411.1	Residential	85	68	68	68	68	68	0.0	No
R1303	GF	E	293742.5	1247837.5	Residential	85	62	62	62	62	62	0.0	No
R1303	F 1	E	293742.5	1247837.5	Residential	85	65	65	65	65	65	0.1	No
R1303	F 2	E	293742.5	1247837.5	Residential	85	70	70	70	70	70	-0.2	No
R1304	GF	E	293740.1	1247429.1	Residential	85	68	68	67	67	68	-0.1	No
R1307	GF	N	293735.0	1246101.4	Residential	85	71	71	71	71	71	0.2	No
R1308	GF	E	293733.1	1246165.4	Residential	85	71	71	71	71	71	0.1	No
R1309	GF	E	293743.8	1246255.7	Residential	85	72	72	72	72	72	0.1	No
R1312	GF	S	293728.9	1247262.4	Residential	85	68	68	68	68	68	0.1	No
R1313	GF	E	293750.8	1246552.8	Residential	85	72	72	71	71	72	0.0	No
R1313	F 1	E	293750.8	1246552.8	Residential	85	75	75	75	75	75	0.0	No
R1313	F 2	E	293750.8	1246552.8	Residential	85	78	78	77	77	78	-0.2	No
R1315	GF	E	293741.4	1247440.7	Residential	85	68	68	68	68	68	-0.1	No
R1317	GF	E	293739.6	1247456.2	Residential	85	68	68	68	68	68	-0.1	No
R1323	GF	E	293741.7	1246271.3	Residential	85	71	71	71	71	71	0.0	No
R1324	GF	S	293740.0	1247167.3	Residential	85	70	70	70	70	70	-0.2	No
R1325	GF	E	293751.7	1246300.1	Residential	85	72	72	72	72	72	-0.2	No
R1325	F 1	E	293751.7	1246300.1	Residential	85	75	75	75	75	75	-0.2	No
R1326	GF	E	293746.3	1247471.0	Residential	85	69	69	68	68	69	0.0	No
R1329	GF	S	293739.6	1247123.1	Residential	85	72	72	72	72	72	-0.2	No
R1331	GF	E	293751.6	1246285.3	Residential	85	72	72	72	72	72	0.0	No
R1331	F 1	E	293751.6	1246285.3	Residential	85	75	75	75	75	75	-0.2	No
R1332	GF	E	293758.3	1246314.2	Residential	85	72	72	72	72	72	0.0	No
R1333	GF	E	293754.8	1247523.6	Residential	85	67	67	67	67	67	-0.1	No
R1334	GF	E	293762.7	1246582.2	Residential	85	74	74	74	74	74	0.0	No
R1334	F 1	E	293762.7	1246582.2	Residential	85	76	76	76	76	76	0.0	No
R1334	F 2	E	293762.7	1246582.2	Residential	85	78	78	78	78	78	0.0	No
R1335	GF	E	293763.4	1246523.1	Residential	85	71	71	71	71	71	0.1	No
R1335	F 1	E	293763.4	1246523.1	Residential	85	75	75	75	75	75	0.0	No
R1335	F 2	E	293763.4	1246523.1	Residential	85	78	78	78	78	78	-0.1	No
R1336	GF	S	293742.1	1247498.7	Residential	85	69	69	68	68	69	-0.1	No
R1337	GF	E	293744.4	1247225.4	Residential	85	71	71	70	70	71	0.0	No
R1338	GF	E	293750.7	1246241.4	Residential	85	72	72	72	72	72	0.1	No
R1339	GF	E	293758.2	1247538.3	Residential	85	66	66	66	66	66	-0.1	No
R1340	GF	E	293755.1	1246499.8	Residential	85	71	71	71	71	71	0.1	No
R1342	GF	NE	293749.2	1246345.6	Residential	85	73	73	73	73	73	0.3	No
R1345	GF	E	293765.1	1246468.3	Residential	85	72	72	72	72	72	0.2	No
R1347	GF	E	293758.8	1246485.1	Residential	85	72	72	72	72	72	0.0	No
R1349	GF	E	293754.5	1247554.9	Residential	85	66	66	66	66	66	0.0	No
R1351	GF	E	293759.4	1247572.9	Residential	85	65	65	65	65	65	0.0	No
R1354	GF	E	293760.6	1247177.0	Residential	85	71	71	71	71	71	0.0	No
R1356	GF	S	293754.6	1247119.6	Residential	85	73	73	73	73	73	0.0	No
R1359	GF	E	293763.6	1246385.7	Residential	85	72	72	72	72	72	0.0	No
R1361	GF	E	293763.6	1247261.0	Residential	85	72	72	71	71	72	0.2	No
R1362	GF	S	293755.3	1247850.5	Residential	85	63	63	63	63	63	0.4	No
R1362	F 1	S	293755.3	1247850.5	Residential	85	66	66	66	66	66	0.1	No
R1363	GF	S	293758.0	1247582.3	Residential	85	66	66	66	66	66	0.0	No
R1363	F 1	S	293758.0	1247582.3	Residential	85	71	71	71	71	71	-0.1	No
R1364	GF	E	293768.7	1247313.9	Residential	85	70	70	69	69	70	0.0	No
R1364	F 1	E	293768.7	1247313.9	Residential	85	75	75	74	74	75	-0.2	No
R1365	GF	E	293765.2	1247603.8	Residential	85	65	65	65	65	66	0.1	No
R1369	GF	E	293766.2	1246400.5	Residential	85	74	74	74	74	74	0.0	No
R1371	GF	E	293765.5	1247620.9	Residential	85	66	66	65	65	66	0.0	No
R1371	F 1	E	293765.5	1247620.9	Residential	85	70	70	70	70	70	0.0	No
R1372	GF	E	293765.0	1246432.9	Residential	85	73	73	73	73	73	0.0	No
R1373	GF	N	293763.9	1247224.5	Residential	85	73	73	72	72	72	-0.2	No
R1373	F 1	N	293763.9	1247224.5	Residential	85	75	75	74	74	75	0.0	No
R1374	GF	SE	293786.6	1246072.4	Residential	85	75	75	75	75	75	-0.1	No
R1374	F 1	SE	293786.6	1246072.4	Residential	85	77	77	77	77	77	0.0	No
R1375	GF	E	293763.7	1247280.5	Residential	85	71	71	70	70	71	-0.1	No
R1375	F 1	E	293763.7	1247280.5	Residential	85	75	75	75	75	75	0.0	No
R1376	GF	E	293766.7	1247299.9	Residential	85	70	70	70	70	70	-0.2	No
R1377	GF	E	293765.3	1246416.9	Residential	85	74	74	74	74	74	0.0	No
R1378	GF	E	293765.0	1246302.2	Residential	85	72	72	72	72	72	0.0	No
R1380	GF	E	293765.9	1246449.7	Residential	85	72	72	72	72	72	0.0	No
R1381	GF	E	293769.6	1247636.0	Residential	85	66	66	65	65	66	0.1	No
R1384	GF	E	293781.9	1247403.6	Residential	85	68	68	67	67	68	0.0	No
R1385	GF	E	293774.5	1247343.7	Residential	85	69	69	68	68	69	0.0	No
R1387	GF	E	293770.8	1246339.3	Residential	85	71	71	72	72	72	0.4	No
R1388	GF	E	293770.5	1247328.7	Residential	85	70	70	69	69	70	-0.1	No
R1389	GF	E	293773.1	1246109.5	Residential	85	73	73	73	73	73	0.2	No
R1390	GF	SE	293770.6	1246064.2	Residential	85	75	75	75	75	75	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1390	F 1	SE	293770.6	1246064.2	Residential	85	76	76	76	76	76	0.0	No
R1393	GF	N	293770.0	1246258.8	Residential	85	71	71	71	71	71	0.1	No
R1394	GF	SE	293773.4	1246154.7	Residential	85	73	73	73	73	73	0.0	No
R1395	GF	S	293767.1	1247568.5	Residential	85	66	66	66	66	66	0.2	No
R1396	GF	E	293771.8	1246173.9	Residential	85	73	73	73	73	73	0.0	No
R1397	GF	E	293782.1	1246184.0	Residential	85	73	73	73	73	73	0.0	No
R1399	GF	E	293773.2	1246123.6	Residential	85	74	74	74	74	74	0.1	No
R1400	GF	E	293775.5	1247358.2	Residential	85	69	69	68	68	69	0.0	No
R1401	GF	E	293772.3	1246326.7	Residential	85	70	70	70	70	70	0.1	No
R1404	GF	E	293782.7	1247417.7	Residential	85	67	67	67	67	67	-0.1	No
R1405	GF	E	293776.9	1247389.2	Residential	85	68	68	68	68	68	-0.1	No
R1406	GF	E	293775.5	1246142.2	Residential	85	73	73	73	73	73	-0.1	No
R1407	GF	E	293778.1	1247374.5	Residential	85	68	68	68	68	68	0.0	No
R1408	GF	SE	293772.9	1247126.6	Residential	85	73	73	73	73	73	-0.1	No
R1410	GF	E	293781.8	1246232.7	Residential	85	73	73	73	73	73	0.3	No
R1411	GF	E	293785.2	1247448.1	Residential	85	67	67	67	67	67	0.0	No
R1413	GF	E	293784.6	1247465.4	Residential	85	69	69	68	68	68	-0.2	No
R1414	GF	E	293786.5	1247434.6	Residential	85	67	67	67	67	67	0.0	No
R1415	GF	NE	293781.7	1247179.1	Residential	85	74	74	73	73	73	-0.3	No
R1417	GF	S	293781.8	1247493.0	Residential	85	69	69	69	69	69	-0.1	No
R1418	GF	N	293779.2	1247222.5	Residential	85	73	73	72	72	73	-0.1	No
R1419	GF	N	293780.0	1246385.3	Residential	85	72	72	72	72	72	-0.1	No
R1420	GF	NE	293781.0	1246221.5	Residential	85	72	72	72	72	72	0.1	No
R1421	GF	E	293786.4	1246202.7	Residential	85	73	73	73	73	73	0.0	No
R1422	GF	SE	293787.8	1246243.2	Residential	85	72	72	72	72	72	0.0	No
R1424	GF	E	293785.7	1246577.2	Residential	85	74	74	74	74	74	0.0	No
R1424	F 1	E	293785.7	1246577.2	Residential	85	77	77	77	77	77	0.1	No
R1425	GF	S	293778.6	1247559.6	Residential	85	67	67	67	67	67	0.0	No
R1426	GF	E	293800.0	1247514.7	Residential	85	68	68	68	68	68	-0.1	No
R1426	F 1	E	293800.0	1247514.7	Residential	85	73	73	72	72	73	0.0	No
R1427	GF	E	293793.8	1246263.6	Residential	85	73	73	73	73	73	0.1	No
R1428	GF	E	293787.8	1247141.5	Residential	85	76	76	76	76	76	-0.2	No
R1429	GF	NE	293785.7	1246338.9	Residential	85	74	74	74	74	74	0.0	No
R1431	GF	S	293798.2	1247715.5	Residential	85	68	68	68	68	68	0.1	No
R1431	F 1	S	293798.2	1247715.5	Residential	85	71	71	71	71	71	-0.2	No
R1431	F 2	S	293798.2	1247715.5	Residential	85	74	74	73	73	73	-0.2	No
R1433	GF	SE	293790.2	1247158.6	Residential	85	76	76	76	76	76	-0.2	No
R1434	GF	E	293798.5	1246543.9	Residential	85	73	73	73	73	73	-0.1	No
R1434	F 1	E	293798.5	1246543.9	Residential	85	78	78	78	78	78	0.0	No
R1437	GF	E	293798.7	1247531.6	Residential	85	68	68	68	68	68	-0.2	No
R1437	F 1	E	293798.7	1247531.6	Residential	85	73	73	73	73	73	0.0	No
R1438	GF	N	293790.1	1247219.7	Residential	85	73	73	73	73	74	0.1	No
R1438	F 1	N	293790.1	1247219.7	Residential	85	76	76	75	75	76	0.1	No
R1439	GF	S	293819.7	1247732.2	Residential	85	63	63	63	63	63	0.0	No
R1439	F 1	S	293819.7	1247732.2	Residential	85	68	68	67	67	67	-0.1	No
R1439	F 2	S	293819.7	1247732.2	Residential	85	73	73	72	72	73	-0.1	No
R1441	GF	E	293799.5	1246463.1	Residential	85	76	76	76	76	76	0.0	No
R1445	GF	N	293816.0	1245936.3	Commercial	n/a	71	71	71	71	71	0.0	No
R1445	F 1	N	293816.0	1245936.3	Commercial	n/a	73	73	73	73	73	0.0	No
R1445	F 2	N	293816.0	1245936.3	Commercial	n/a	76	76	76	76	76	0.1	No
R1447	GF	E	293831.5	1247768.8	Residential	85	63	63	63	63	63	0.0	No
R1447	F 1	E	293831.5	1247768.8	Residential	85	66	66	66	66	66	0.0	No
R1448	GF	E	293795.5	1246293.8	Residential	85	73	73	73	73	73	0.1	No
R1450	GF	E	293798.1	1246276.9	Residential	85	73	73	73	73	73	0.1	No
R1451	GF	E	293801.0	1246527.4	Residential	85	73	73	73	73	73	0.0	No
R1452	GF	E	293804.0	1247566.7	Residential	85	69	69	68	68	69	0.0	No
R1453	GF	E	293799.5	1246561.2	Residential	85	74	74	74	74	74	0.0	No
R1455	GF	NE	293797.8	1246446.8	Residential	85	76	76	76	76	76	0.0	No
R1456	GF	E	293800.9	1247547.6	Residential	85	69	69	68	68	69	0.0	No
R1457	GF	E	293836.9	1247794.9	Residential	85	60	60	60	60	60	0.4	No
R1457	F 1	E	293836.9	1247794.9	Residential	85	64	64	64	64	64	0.1	No
R1459	GF	N	293798.4	1246384.6	Residential	85	72	72	72	72	72	0.0	No
R1461	GF	E	293811.4	1247633.1	Residential	85	67	67	67	67	67	0.0	No
R1461	F 1	E	293811.4	1247633.1	Residential	85	72	72	72	72	72	0.0	No
R1462	GF	E	293803.2	1247582.5	Residential	85	69	69	69	69	69	0.0	No
R1463	GF	E	293803.1	1246312.6	Residential	85	72	72	73	73	73	0.6	No
R1464	GF	E	293811.4	1247073.0	Active recreation	n/a	78	78	78	78	78	0.0	No
R1464	F 1	E	293811.4	1247073.0	Active recreation	n/a	78	78	78	78	78	-0.4	No
R1465	GF	E	293810.3	1246497.9	Residential	85	75	75	75	75	75	0.0	No
R1466	GF	E	293825.1	1247814.5	Residential	85	62	62	62	62	62	0.0	No
R1466	F 1	E	293825.1	1247814.5	Residential	85	63	63	63	63	63	0.0	No
R1466	F 2	E	293825.1	1247814.5	Residential	85	67	67	67	67	67	0.0	No
R1466	F 3	E	293825.1	1247814.5	Residential	85	69	69	69	69	69	0.2	No
R1469	GF	E	293804.0	1246478.1	Residential	85	76	76	76	76	76	0.0	No
R1471	GF	E	293805.1	1247597.7	Residential	85	68	68	68	68	68	0.0	No
R1471	F 1	E	293805.1	1247597.7	Residential	85	73	73	72	72	73	0.0	No
R1472	GF	NE	293806.5	1246432.1	Residential	85	75	75	75	75	75	0.0	No
R1473	GF	E	293827.5	1247831.4	Residential	85	62	62	62	62	62	-0.1	No
R1473	F 1	E	293827.5	1247831.4	Residential	85	63	63	63	63	63	-0.1	No
R1473	F 2	E	293827.5	1247831.4	Residential	85	66	66	66	66	66	0.1	No
R1473	F 3	E	293827.5	1247831.4	Residential	85	69	69	68	68	69	0.0	No
R1474	GF	NE	293804.2	1246336.1	Residential	85	75	75	75	75	75	0.0	No
R1475	GF	E	293809.6	1247614.9	Residential	85	67	67	67	67	67	0.2	No
R1475	F 1	E	293809.6	1247614.9	Residential	85	72	72	72	72	72	0.0	No
R1479	GF	S	293803.4	1247193.7	Residential	85	75	75	75	75	75	-0.2	No
R1479	F 1	S	293803.4	1247193.7	Residential	85	76	76	76	76	76	-0.3	No
R1480	GF	E	293829.9	1247850.3	Residential	85	62	62	62	62	62	-0.1	No
R1480	F 1	E	293829.9	1247850.3	Residential	85	64	64	63	63	63	-0.2	No
R1480	F 2	E	293829.9	1247850.3	Residential	85	66	66	65	65	66	0.1	No
R1480	F 3	E	293829.9	1247850.3	Residential	85	70	70	69	69	70	0.2	No
R1481	GF	E	293808.6	1246511.9	Residential	85	74	74	74	74	74	-0.1	No
R1483	GF	E	293820.8	1247263.1	Residential	85	73	73	73	73	73	0.0	No
R1484	GF	E	293881.7	1247883.9	Industrial	n/a	66	66	65	65	66	0.1	No
R1485	GF	E	293819.4	1247292.8	Residential	85	71	71	71	71	71	-0.1	No
R1487	GF	E	293813.3	1247308.9	Residential	85	70	70	70	70	70	-0.1	No
R1490	GF	E	293851.5	1246620.8	Residential	85	82	82	82	82	82	0.0	No
R1490	F 1	E	293851.5	1246620.8	Residential	85	82	82	82	82	82	0.0	No
R1491	GF	E	293815.8	1246137.0	Residential	85	76	76	76	76	76	0.0	No
R1492	GF	E	293844.6	1246646.3	Residential	85	82	82	82	82	82	0.0	No
R1494	GF	E	293818.7	1247321.3	Residential	85	69	69	69	69	69	-0.1	No
R1495	GF	S	293810.1	1246368.3	Residential	85	75	75	75	75	75	0.0	No
R1496	GF	E	293812.9	1246120.8	Residential	85	74	74	75	75	75	0.1	No
R1497	GF	E	293831.5	1247351.9	Residential	85	69	69	69	69	69	0.0	No
R1499	GF	N	293816.4	1247343.7	Residential	85	68	68	68	68	68	0.0	No
R1503	GF	E	293823.3	1246180.7	Residential	85	78	78	78	78	78	0.0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1505	GF	E	293823.6	1246150.5	Residential	85	78	78	78	78	78	0.0	No
R1506	GF	E	293821.6	1247368.6	Residential	85	69	69	69	69	69	-0.1	No
R1506	F 1	E	293821.6	1247368.6	Residential	85	76	76	75	75	75	-0.2	No
R1508	GF	E	293824.4	1246164.8	Residential	85	77	77	77	77	77	0.0	No
R1509	GF	SE	293820.4	1246094.2	Residential	85	77	77	77	77	77	0.0	No
R1510	GF	N	293820.6	1246427.5	Residential	85	74	74	74	74	74	-0.1	No
R1512	GF	E	293828.1	1247383.6	Residential	85	69	69	69	69	69	0.0	No
R1512	F 1	E	293828.1	1247383.6	Residential	85	76	76	75	75	75	-0.2	No
R1513	GF	E	293840.6	1247427.2	Residential	85	68	68	68	68	68	-0.1	No
R1516	GF	E	293828.7	1247396.6	Residential	85	70	70	69	69	70	-0.1	No
R1516	F 1	E	293828.7	1247396.6	Residential	85	75	75	75	75	75	-0.3	No
R1517	GF	S	293818.9	1247200.3	Residential	85	74	74	74	74	74	-0.2	No
R1517	F 1	S	293818.9	1247200.3	Residential	85	77	77	77	77	77	-0.2	No
R1519	GF	E	293826.4	1246211.3	Residential	85	77	77	77	77	77	0.0	No
R1522	GF	E	293826.9	1246195.6	Residential	85	77	77	77	77	77	0.0	No
R1524	GF	E	293832.7	1247414.3	Residential	85	69	69	69	69	69	0.0	No
R1524	F 1	E	293832.7	1247414.3	Residential	85	75	75	74	74	75	-0.1	No
R1526	GF	E	293831.8	1246226.7	Residential	85	76	76	76	76	76	0.0	No
R1528	GF	E	293831.5	1247445.3	Residential	85	68	68	67	67	68	0.0	No
R1528	F 1	E	293831.5	1247445.3	Residential	85	75	75	74	74	74	-0.1	No
R1529	GF	E	293843.7	1247456.2	Residential	85	69	69	68	68	69	0.0	No
R1530	GF	NE	293832.7	1246380.7	Residential	85	78	78	78	78	78	0.0	No
R1532	GF	S	293825.8	1247314.3	Residential	85	71	71	70	70	71	0.0	No
R1533	GF	E	293838.7	1247492.2	Residential	85	69	69	69	69	69	0.1	No
R1535	GF	E	293836.2	1246259.6	Residential	85	76	76	76	76	76	0.0	No
R1536	GF	E	293840.4	1246241.7	Residential	85	76	76	76	76	76	0.0	No
R1538	GF	E	293835.7	1247508.2	Residential	85	68	68	68	68	68	0.0	No
R1540	GF	E	293856.7	1246286.5	Residential	85	79	79	79	79	79	0.0	No
R1540	F 1	E	293856.7	1246286.5	Residential	85	83	83	83	83	83	0.0	No
R1540	F 2	E	293856.7	1246286.5	Residential	85	86	86	86	86	86	0.4	No
R1540	F 3	E	293856.7	1246286.5	Residential	85	86	86	86	86	86	0.5	No
R1541	GF	E	293834.4	1247335.7	Residential	85	69	69	69	69	69	0.0	No
R1542	GF	E	293845.1	1247524.5	Residential	85	67	67	67	67	67	0.0	No
R1542	F 1	E	293845.1	1247524.5	Residential	85	72	72	71	71	72	-0.3	No
R1543	GF	E	293842.3	1246590.3	Residential	85	81	81	81	81	81	0.0	No
R1544	GF	E	293839.5	1247200.5	Residential	85	74	74	74	74	74	0.0	No
R1544	F 1	E	293839.5	1247200.5	Residential	85	77	77	76	76	77	-0.3	No
R1545	GF	SW	293832.9	1246413.0	Residential	85	75	75	75	75	75	0.0	No
R1546	GF	E	293840.6	1247540.3	Residential	85	70	70	69	69	70	0.1	No
R1546	F 1	E	293840.6	1247540.3	Residential	85	74	74	74	74	74	0.1	No
R1547	GF	E	293841.7	1246270.4	Residential	85	77	77	77	77	77	0.0	No
R1548	GF	S	293839.6	1247714.7	Residential	85	69	69	68	68	69	-0.1	No
R1548	F 1	S	293839.6	1247714.7	Residential	85	72	72	72	72	72	0.0	No
R1550	GF	E	293844.9	1247557.3	Residential	85	71	71	70	70	71	0.1	No
R1551	GF	E	293845.6	1246573.5	Residential	85	80	80	80	80	80	0.0	No
R1552	GF	S	293843.6	1247131.3	Active recreation	n/a	78	78	78	78	78	0.0	No
R1553	GF	S	293839.1	1247342.5	Residential	85	70	70	70	70	70	-0.1	No
R1554	GF	E	293849.6	1247592.7	Residential	85	70	70	69	69	70	0.0	No
R1555	GF	S	293844.4	1247571.8	Residential	85	70	70	69	69	70	0.1	No
R1555	F 1	S	293844.4	1247571.8	Residential	85	75	75	74	74	75	0.0	No
R1556	GF	N	293843.4	1246374.6	Residential	85	77	77	77	77	77	0.0	No
R1557	GF	S	293843.0	1246106.1	Residential	85	77	77	77	77	77	0.0	No
R1559	GF	S	293847.7	1247600.1	Residential	85	70	70	69	69	70	-0.1	No
R1560	GF	E	293850.0	1246559.1	Residential	85	80	80	80	80	80	0.0	No
R1562	GF	E	293852.6	1247626.1	Residential	85	68	68	68	68	68	0.0	No
R1563	GF	E	293887.1	1247766.9	Residential	85	68	68	68	68	68	-0.2	No
R1563	F 1	E	293887.1	1247766.9	Residential	85	71	71	71	71	71	-0.1	No
R1563	F 2	E	293887.1	1247766.9	Residential	85	75	75	74	74	75	-0.2	No
R1563	F 3	E	293887.1	1247766.9	Residential	85	76	76	75	75	76	-0.1	No
R1565	GF	E	293854.0	1246542.3	Residential	85	78	78	78	78	78	0.0	No
R1566	GF	E	293857.7	1247640.0	Residential	85	67	67	67	67	67	0.1	No
R1567	GF	E	293854.4	1246531.0	Residential	85	77	77	77	77	77	0.0	No
R1568	GF	E	293886.2	1247784.8	Residential	85	68	68	67	67	68	-0.5	No
R1568	F 1	E	293886.2	1247784.8	Residential	85	71	71	70	70	71	-0.3	No
R1568	F 2	E	293886.2	1247784.8	Residential	85	74	74	73	73	74	-0.2	No
R1569	GF	E	293883.8	1247728.7	Residential	85	70	70	69	69	70	0.1	No
R1569	F 1	E	293883.8	1247728.7	Residential	85	73	73	72	72	73	0.0	No
R1569	F 2	E	293883.8	1247728.7	Residential	85	76	76	75	75	76	0.0	No
R1569	F 3	E	293883.8	1247728.7	Residential	85	77	77	76	76	77	0.0	No
R1570	GF	S	293848.4	1247411.7	Residential	85	68	68	67	67	68	-0.2	No
R1571	GF	E	293855.6	1247285.8	Residential	85	73	73	72	72	73	0.0	No
R1571	F 1	E	293855.6	1247285.8	Residential	85	78	78	77	77	78	-0.1	No
R1572	GF	S	293851.5	1247197.6	Residential	85	75	75	75	75	75	-0.1	No
R1574	GF	N	293853.8	1246425.6	Residential	85	77	77	77	77	77	0.0	No
R1575	GF	N	293849.3	1247859.6	Residential	85	63	63	63	63	63	-0.1	No
R1576	GF	E	293855.5	1246509.9	Residential	85	74	74	74	74	74	-0.3	No
R1577	GF	E	293856.3	1247657.0	Residential	85	69	69	69	69	69	-0.1	No
R1577	F 1	E	293856.3	1247657.0	Residential	85	74	74	73	73	74	0.0	No
R1578	GF	E	293857.8	1247301.3	Residential	85	74	74	74	74	74	-0.1	No
R1580	GF	E	293859.0	1247316.3	Residential	85	74	74	74	74	74	0.0	No
R1581	GF	E	293870.9	1247376.7	Residential	85	73	73	73	73	73	-0.1	No
R1582	GF	S	293854.9	1246484.7	Residential	85	74	74	74	74	74	0.0	No
R1583	GF	E	293870.1	1247676.2	Residential	85	70	70	69	69	70	0.1	No
R1583	F 1	E	293870.1	1247676.2	Residential	85	75	75	74	74	75	0.0	No
R1585	GF	S	293851.6	1247433.1	Residential	85	68	68	67	67	68	-0.1	No
R1587	GF	E	293860.5	1247332.0	Residential	85	74	74	74	74	74	-0.1	No
R1591	GF	E	293865.2	1246367.0	Residential	85	79	79	79	79	79	0.2	No
R1592	GF	E	293885.7	1247803.6	Residential	85	67	67	67	67	67	-0.2	No
R1592	F 1	E	293885.7	1247803.6	Residential	85	71	71	70	70	71	-0.1	No
R1592	F 2	E	293885.7	1247803.6	Residential	85	74	74	73	73	73	-0.2	No
R1592	F 3	E	293885.7	1247803.6	Residential	85	75	75	74	74	75	-0.1	No
R1593	GF	E	293885.5	1247748.1	Residential	85	70	70	69	69	70	-0.1	No
R1593	F 1	E	293885.5	1247748.1	Residential	85	72	72	72	72	72	-0.1	No
R1593	F 2	E	293885.5	1247748.1	Residential	85	76	76	75	75	76	0.0	No
R1593	F 3	E	293885.5	1247748.1	Residential	85	77	77	76	76	77	-0.1	No
R1594	GF	NE	293863.3	1246128.1	Residential	85	85	85	85	85	85	0.0	No
R1595	GF	E	293870.9	1246140.2	Residential	85	87	87	87	87	87	0.0	No
R1596	GF	E	293872.2	1247390.9	Residential	85	73	73	72	72	73	0.0	No
R1596	F 1	E	293872.2	1247390.9	Residential	85	78	78	77	77	78	0.0	No
R1598	GF	E	293866.3	1247361.4	Residential	85	74	74	73	73	74	-0.1	No
R1598	F 1	E	293866.3	1247361.4	Residential	85	78	78	77	77	78	-0.1	No
R1599	GF	E	293866.8	1247346.3	Residential	85	74	74	74	74	74	-0.3	No
R1601	GF	S	293861.1	1246466.8	Residential	85	75	75	75	75	75	0.0	No
R1602	GF	E	293888.6	1247820.6	Residential	85	67	67	66	66	67	0.0	No
R1602	F 1	E	293888.6	1247820.6	Residential	85	70	70	70	70	70	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1602	F 2	E	293888.6	1247820.6	Residential	85	73	73	72	72	73	-0.1	No
R1602	F 3	E	293888.6	1247820.6	Residential	85	76	76	75	75	76	0.0	No
R1603	GF	S	293862.6	1247631.4	Residential	85	68	68	67	67	68	0.0	No
R1604	GF	E	293870.8	1247406.8	Residential	85	72	72	71	71	72	0.0	No
R1605	GF	S	293866.1	1247708.0	Residential	85	72	72	71	71	72	0.0	No
R1605	F 1	S	293866.1	1247708.0	Residential	85	75	75	74	74	75	0.0	No
R1607	GF	E	293876.6	1246252.9	Residential	85	78	78	78	78	78	0.0	No
R1609	GF	E	293878.8	1247452.0	Residential	85	72	72	71	71	72	-0.1	No
R1611	GF	E	293887.1	1247522.7	Residential	85	74	74	73	73	74	0.1	No
R1611	F 1	E	293887.1	1247522.7	Residential	85	77	77	76	76	77	0.1	No
R1612	GF	E	293870.6	1246157.9	Residential	85	87	87	87	87	87	0.0	No
R1613	GF	E	293876.6	1247436.8	Residential	85	72	72	71	71	72	-0.1	No
R1614	GF	E	293884.5	1247502.9	Residential	85	73	73	73	73	73	0.0	No
R1614	F 1	E	293884.5	1247502.9	Residential	85	77	77	77	77	77	-0.1	No
R1615	GF	E	293888.9	1247534.6	Residential	85	74	74	73	73	74	0.0	No
R1616	GF	E	293881.5	1246216.6	Residential	85	88	88	88	88	88	0.0	No
R1621	GF	E	293874.9	1247421.9	Residential	85	72	72	72	72	72	-0.1	No
R1621	F 1	E	293874.9	1247421.9	Residential	85	78	78	77	77	78	-0.1	No
R1622	GF	E	293889.2	1247835.6	Residential	85	68	68	67	67	68	0.1	No
R1622	F 1	E	293889.2	1247835.6	Residential	85	70	70	70	70	70	0.0	No
R1622	F 2	E	293889.2	1247835.6	Residential	85	73	73	72	72	73	-0.1	No
R1623	GF	SE	293876.8	1246183.8	Residential	85	88	88	88	88	88	0.0	No
R1624	GF	E	293874.5	1246203.5	Residential	85	87	87	87	87	87	0.0	No
R1625	GF	E	293878.3	1247486.0	Residential	85	72	72	71	71	72	0.0	No
R1626	GF	N	293872.5	1246423.7	Residential	85	79	79	79	79	79	0.0	No
R1627	GF	S	293869.1	1247195.9	Residential	85	75	75	75	75	75	0.0	No
R1627	F 1	S	293869.1	1247195.9	Residential	85	76	76	75	75	76	-0.2	No
R1628	GF	E	293876.1	1246169.2	Residential	85	88	88	88	88	88	0.0	No
R1631	GF	E	293882.5	1246365.9	Residential	85	83	83	83	83	83	0.0	No
R1633	GF	N	293876.7	1246325.3	Residential	85	82	82	82	82	82	0.0	No
R1634	GF	E	293891.8	1247853.6	Residential	85	66	66	66	66	66	0.0	No
R1634	F 1	E	293891.8	1247853.6	Residential	85	69	69	69	69	69	-0.2	No
R1637	GF	E	293894.3	1247615.9	Residential	85	72	72	71	71	72	-0.1	No
R1637	F 1	E	293894.3	1247615.9	Residential	85	75	75	74	74	75	-0.2	No
R1637	F 2	E	293894.3	1247615.9	Residential	85	78	78	77	77	78	-0.1	No
R1640	GF	E	293894.5	1247603.0	Residential	85	72	72	71	71	72	-0.1	No
R1640	F 1	E	293894.5	1247603.0	Residential	85	76	76	75	75	76	-0.1	No
R1640	F 2	E	293894.5	1247603.0	Residential	85	78	78	77	77	78	-0.1	No
R1641	GF	E	293906.2	1246453.7	Educational institute	n/a	85	85	85	85	85	0.0	No
R1641	F 1	E	293906.2	1246453.7	Educational institute	n/a	87	87	87	87	87	0.0	No
R1642	GF	E	293883.1	1246232.3	Residential	85	87	87	87	87	87	0.0	No
R1643	GF	E	293885.2	1247568.2	Residential	85	72	72	71	71	72	0.1	No
R1644	GF	E	293887.1	1247552.1	Residential	85	73	73	73	73	74	0.1	No
R1646	GF	E	293892.5	1247867.5	Residential	85	67	67	67	67	67	-0.1	No
R1647	GF	E	293889.5	1247199.4	Residential	85	75	75	75	75	75	-0.2	No
R1647	F 1	E	293889.5	1247199.4	Residential	85	77	77	77	77	77	-0.1	No
R1649	GF	S	293886.4	1246479.6	Educational institute	n/a	77	77	77	77	77	0.0	No
R1649	F 1	S	293886.4	1246479.6	Educational institute	n/a	82	82	82	82	82	0.0	No
R1649	F 2	S	293886.4	1246479.6	Educational institute	n/a	84	84	84	84	84	0.0	No
R1650	GF	S	293881.5	1247706.0	Residential	85	73	73	72	72	73	0.0	No
R1650	F 1	S	293881.5	1247706.0	Residential	85	75	75	75	75	75	-0.1	No
R1652	GF	E	293890.4	1247585.4	Residential	85	71	71	71	71	71	0.0	No
R1652	F 1	E	293890.4	1247585.4	Residential	85	77	77	76	76	77	0.0	No
R1653	GF	E	293892.4	1246258.7	Residential	85	89	89	89	89	89	0.0	No
R1655	GF	E	293890.0	1246246.5	Residential	85	88	88	88	88	88	0.0	No
R1656	GF	E	293890.3	1246275.6	Residential	85	88	88	88	88	88	0.0	No
R1657	GF	NE	293888.9	1246421.0	Residential	85	83	83	83	83	83	0.0	No
R1662	GF	E	293894.7	1247635.4	Residential	85	72	72	71	71	72	-0.1	No
R1662	F 1	E	293894.7	1247635.4	Residential	85	76	76	75	75	75	-0.2	No
R1663	GF	N	293890.3	1246364.6	Residential	85	83	83	83	83	83	0.0	No
R1669	GF	E	293899.1	1247668.5	Residential	85	72	72	71	71	72	-0.1	No
R1671	GF	E	293898.4	1246297.8	Residential	85	88	88	88	88	88	0.0	No
R1672	GF	E	293899.5	1246312.9	Residential	85	88	88	88	88	88	0.0	No
R1673	GF	E	293929.3	1246550.4	Educational institute	n/a	87	87	87	87	87	0.0	No
R1673	F 1	E	293929.3	1246550.4	Educational institute	n/a	87	87	87	87	87	0.0	No
R1675	GF	E	293897.6	1247650.8	Residential	85	71	71	71	71	71	0.0	No
R1679	GF	S	293896.4	1247231.2	Residential	85	75	75	74	74	75	0.1	No
R1681	GF	E	293902.5	1247255.1	Residential	85	72	72	71	71	72	0.0	No
R1682	GF	E	293902.6	1247274.6	Residential	85	73	73	73	73	73	-0.1	No
R1682	F 1	E	293902.6	1247274.6	Residential	85	79	79	78	78	79	-0.1	No
R1683	GF	S	293908.6	1246492.0	Educational institute	n/a	80	80	80	80	80	0.0	No
R1683	F 1	S	293908.6	1246492.0	Educational institute	n/a	86	86	86	86	86	0.0	No
R1685	GF	E	293909.1	1247290.1	Residential	85	73	73	73	73	73	-0.1	No
R1685	F 1	E	293909.1	1247290.1	Residential	85	79	79	79	79	79	0.0	No
R1686	GF	E	293912.9	1246390.9	Residential	85	88	88	88	88	88	0.0	No
R1687	GF	E	293918.5	1247305.8	Residential	85	73	73	73	73	73	-0.1	No
R1691	GF	E	293918.6	1247320.2	Residential	85	74	74	74	74	74	0.0	No
R1692	GF	E	293922.6	1247333.6	Residential	85	73	73	73	73	73	-0.1	No
R1693	GF	E	293914.0	1246359.8	Residential	85	89	89	89	89	89	0.0	No
R1695	GF	E	293922.0	1247349.5	Residential	85	75	75	74	74	75	-0.1	No
R1695	F 1	E	293922.0	1247349.5	Residential	85	81	81	80	80	80	-0.1	No
R1698	GF	E	293914.9	1247364.1	Residential	85	75	75	74	74	75	0.1	No
R1698	F 1	E	293914.9	1247364.1	Residential	85	80	80	79	79	80	0.1	No
R1703	GF	E	293918.8	1247379.2	Residential	85	77	77	76	76	77	-0.1	No
R1705	GF	E	293939.4	1246480.5	Educational institute	n/a	90	90	90	90	90	0.0	No
R1706	GF	E	293916.3	1247395.8	Residential	85	77	77	77	77	77	0.0	No
R1707	GF	E	293916.9	1246407.1	Residential	85	89	89	89	89	89	0.0	No
R1711	GF	E	293919.9	1247410.5	Residential	85	76	76	76	76	76	0.0	No
R1711	F 1	E	293919.9	1247410.5	Residential	85	81	81	80	80	80	-0.1	No
R1712	GF	S	293918.6	1247151.9	Industrial	n/a	76	76	76	76	76	0.0	No
R1712	F 1	S	293918.6	1247151.9	Industrial	n/a	76	76	76	76	76	0.0	No
R1713	GF	E	293923.7	1247441.9	Residential	85	75	75	75	75	75	-0.1	No
R1713	F 1	E	293923.7	1247441.9	Residential	85	80	80	79	79	80	0.0	No
R1714	GF	E	293924.2	1247427.4	Residential	85	75	75	75	75	75	-0.1	No
R1714	F 1	E	293924.2	1247427.4	Residential	85	80	80	79	79	80	-0.1	No
R1716	GF	S	293918.3	1247702.9	Residential	85	72	72	72	72	72	-0.1	No
R1716	F 1	S	293918.3	1247702.9	Residential	85	76	76	75	75	76	0.0	No
R1717	GF	E	293923.8	1247456.5	Residential	85	73	73	73	73	73	-0.1	No
R1717	F 1	E	293923.8	1247456.5	Residential	85	79	79	79	79	79	-0.1	No
R1721	GF	E	293928.9	1247470.0	Residential	85	74	74	73	73	74	0.1	No
R1721	F 1	E	293928.9	1247470.0	Residential	85	79	79	78	78	79	0.1	No
R1724	GF	W	293914.7	1247743.8	Residential	85	63	63	63	63	63	0.0	No
R1724	F 1	W	293914.7	1247743.8	Residential	85	66	66	66	66	66	0.0	No
R1728	GF	W	293915.1	1247725.4	Residential	85	64	64	64	64	64	0.0	No
R1728	F 1	W	293915.1	1247725.4	Residential	85	67	67	67	67	67	0.0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1729	GF	E	293927.6	1247488.3	Residential	85	76	76	75	75	76	0.0	No
R1732	GF	E	293939.6	1247503.4	Residential	85	76	76	76	76	76	0.0	No
R1733	GF	E	293948.8	1247758.6	Residential	85	65	65	65	65	65	0.0	No
R1733	F 1	E	293948.8	1247758.6	Residential	85	70	70	69	69	70	0.2	No
R1733	F 2	E	293948.8	1247758.6	Residential	85	76	76	75	75	76	0.1	No
R1734	GF	E	293948.7	1247794.0	Residential	85	68	68	67	67	68	0.2	No
R1734	F 1	E	293948.7	1247794.0	Residential	85	71	71	70	70	71	0.1	No
R1734	F 2	E	293948.7	1247794.0	Residential	85	74	74	73	73	74	0.0	No
R1734	F 3	E	293948.7	1247794.0	Residential	85	77	77	76	76	77	0.0	No
R1735	GF	S	293932.5	1247534.5	Residential	85	75	75	74	74	75	0.0	No
R1735	F 1	S	293932.5	1247534.5	Residential	85	77	77	77	77	77	0.0	No
R1736	GF	E	293966.5	1247810.1	Residential	85	71	71	71	71	71	0.0	No
R1736	F 1	E	293966.5	1247810.1	Residential	85	72	72	72	72	72	0.1	No
R1737	GF	E	293950.6	1247776.3	Residential	85	67	67	66	66	67	0.2	No
R1737	F 1	E	293950.6	1247776.3	Residential	85	70	70	70	70	70	0.4	No
R1737	F 2	E	293950.6	1247776.3	Residential	85	74	74	74	74	75	0.1	No
R1739	GF	E	293936.6	1246517.2	Educational institute	n/a	88	88	88	88	88	0.0	No
R1739	F 1	E	293936.6	1246517.2	Educational institute	n/a	89	89	89	89	89	0.0	No
R1740	GF	E	293933.0	1247560.5	Residential	85	73	73	72	72	73	-0.1	No
R1742	GF	E	293963.9	1247832.2	Residential	85	68	68	68	68	69	0.2	No
R1742	F 1	E	293963.9	1247832.2	Residential	85	71	71	70	70	71	0.2	No
R1742	F 2	E	293963.9	1247832.2	Residential	85	74	74	73	73	74	0.1	No
R1742	F 3	E	293963.9	1247832.2	Residential	85	76	76	75	75	76	0.2	No
R1743	GF	E	293936.1	1247576.4	Residential	85	74	74	73	73	74	0.1	No
R1749	GF	W	293927.0	1245949.1	Residential	85	91	91	91	91	91	0.0	No
R1749	F 1	W	293927.0	1245949.1	Residential	85	91	91	91	91	91	0.0	No
R1750	GF	S	293934.8	1247700.0	Residential	85	73	73	73	73	73	0.0	No
R1750	F 1	S	293934.8	1247700.0	Residential	85	76	76	75	75	76	-0.2	No
R1753	GF	E	293940.3	1247722.5	Residential	85	65	65	64	64	65	0.0	No
R1753	F 1	E	293940.3	1247722.5	Residential	85	69	69	68	68	69	0.1	No
R1755	GF	E	293942.8	1247610.3	Residential	85	72	72	71	71	72	0.2	No
R1756	GF	S	293934.3	1247452.5	Residential	85	74	74	74	74	74	0.0	No
R1757	GF	E	293960.2	1247852.3	Residential	85	67	67	67	67	67	0.1	No
R1757	F 1	E	293960.2	1247852.3	Residential	85	70	70	70	70	70	0.2	No
R1757	F 2	E	293960.2	1247852.3	Residential	85	72	72	72	72	73	0.5	No
R1757	F 3	E	293960.2	1247852.3	Residential	85	75	75	75	75	76	0.6	No
R1758	GF	S	293937.6	1247585.2	Residential	85	74	74	73	73	74	0.0	No
R1758	F 1	S	293937.6	1247585.2	Residential	85	77	77	77	77	77	-0.1	No
R1759	GF	E	293941.3	1247739.7	Residential	85	65	65	64	64	65	0.0	No
R1759	F 1	E	293941.3	1247739.7	Residential	85	70	70	69	69	70	0.1	No
R1760	GF	E	293940.2	1247627.1	Residential	85	72	72	71	71	72	0.0	No
R1762	GF	E	293956.9	1247255.7	Residential	85	78	78	77	77	78	0.0	No
R1763	GF	W	293930.3	1245974.4	Residential	85	91	91	91	91	91	0.0	No
R1764	GF	E	293955.8	1247231.0	Residential	85	79	79	79	79	79	0.1	No
R1764	F 1	E	293955.8	1247231.0	Residential	85	82	82	82	82	83	0.1	No
R1766	GF	E	293945.3	1247643.8	Residential	85	73	73	72	72	73	-0.1	No
R1767	GF	W	293931.7	1246142.7	Industrial	n/a	106	106	107	107	107	0.9	No
R1767	F 1	W	293931.7	1246142.7	Industrial	n/a	108	108	109	109	109	0.5	No
R1768	GF	W	293931.7	1245986.8	Residential	85	91	91	91	91	91	0.0	No
R1768	F 1	W	293931.7	1245986.8	Residential	85	91	91	91	91	91	0.0	No
R1769	GF	S	293937.4	1247321.7	Residential	85	72	72	72	72	72	-0.1	No
R1773	GF	NW	293933.5	1246012.6	Residential	85	91	91	91	91	91	0.0	No
R1774	GF	E	293945.7	1247662.5	Residential	85	74	74	73	73	74	0.0	No
R1776	GF	NW	293934.6	1245998.2	Residential	85	91	91	91	91	91	0.0	No
R1779	GF	W	293936.1	1246177.5	Industrial	n/a	111	111	109	109	109	-1.3	No
R1779	F 1	W	293936.1	1246177.5	Industrial	n/a	114	114	111	111	111	-2.1	No
R1784	GF	N	293945.0	1247902.5	Residential	85	65	65	65	65	65	0.4	No
R1784	F 1	N	293945.0	1247902.5	Residential	85	68	68	68	68	69	0.6	No
R1789	GF	E	294006.9	1247138.1	Commercial	n/a	85	85	85	85	85	0.0	No
R1789	F 1	E	294006.9	1247138.1	Commercial	n/a	86	86	85	85	86	0.0	No
R1789	F 2	E	294006.9	1247138.1	Commercial	n/a	86	86	85	85	86	0.0	No
R1790	GF	E	293961.8	1247288.0	Residential	85	76	76	76	76	76	0.0	No
R1790	F 1	E	293961.8	1247288.0	Residential	85	82	82	81	81	82	0.0	No
R1792	GF	S	293944.2	1245941.4	Residential	85	84	84	84	84	84	0.0	No
R1792	F 1	S	293944.2	1245941.4	Residential	85	84	84	84	84	84	0.0	No
R1794	GF	N	293953.9	1247494.5	Residential	85	75	75	74	74	75	0.0	No
R1795	GF	E	293959.3	1247270.7	Residential	85	77	77	76	76	77	0.1	No
R1795	F 1	E	293959.3	1247270.7	Residential	85	82	82	82	82	82	0.1	No
R1798	GF	S	293954.4	1247696.9	Residential	85	72	72	71	71	72	0.0	No
R1798	F 1	S	293954.4	1247696.9	Residential	85	75	75	75	75	75	-0.1	No
R1801	GF	N	293956.3	1247486.0	Residential	85	74	74	73	73	74	0.0	No
R1803	GF	E	293962.7	1247307.9	Residential	85	76	76	76	76	76	0.0	No
R1808	GF	E	293968.2	1247340.0	Residential	85	77	77	77	77	77	-0.1	No
R1808	F 1	E	293968.2	1247340.0	Residential	85	82	82	82	82	82	0.0	No
R1809	GF	S	293952.9	1247529.7	Residential	85	75	75	75	75	75	0.0	No
R1810	GF	E	293968.9	1247354.6	Residential	85	79	79	78	78	79	0.0	No
R1810	F 1	E	293968.9	1247354.6	Residential	85	83	83	82	82	83	0.0	No
R1813	GF	E	293965.3	1247322.9	Residential	85	76	76	76	76	76	0.0	No
R1814	GF	W	293950.8	1246208.0	Industrial	n/a	94	94	93	93	93	-0.6	No
R1814	F 1	W	293950.8	1246208.0	Industrial	n/a	94	94	94	94	94	-0.7	No
R1815	GF	E	293964.3	1247718.5	Residential	85	65	65	65	65	66	0.3	No
R1815	F 1	E	293964.3	1247718.5	Residential	85	71	71	71	71	71	0.2	No
R1816	GF	NW	293951.3	1246025.0	Residential	85	87	87	87	87	87	0.1	No
R1816	F 1	NW	293951.3	1246025.0	Residential	85	88	88	88	88	88	0.0	No
R1818	GF	E	293965.1	1247736.3	Residential	85	67	67	66	66	67	0.1	No
R1818	F 1	E	293965.1	1247736.3	Residential	85	71	71	71	71	71	0.2	No
R1819	GF	S	293957.9	1245943.0	Residential	85	81	81	81	81	81	0.0	No
R1819	F 1	S	293957.9	1245943.0	Residential	85	82	82	82	82	82	0.0	No
R1820	GF	S	293960.3	1247541.2	Residential	85	71	71	71	71	71	0.0	No
R1821	GF	E	293971.2	1247374.0	Residential	85	80	80	79	79	80	0.0	No
R1821	F 1	E	293971.2	1247374.0	Residential	85	83	83	82	82	83	0.0	No
R1824	GF	E	293973.4	1247393.7	Residential	85	80	80	79	79	80	0.0	No
R1825	GF	S	293962.1	1247584.4	Residential	85	74	74	73	73	74	0.0	No
R1828	GF	E	293975.9	1247407.9	Residential	85	79	79	79	79	79	0.0	No
R1830	GF	NW	293959.0	1246268.9	Industrial	n/a	96	96	95	95	95	-1.3	No
R1830	F 1	NW	293959.0	1246268.9	Industrial	n/a	97	97	96	96	96	-1.3	No
R1830	F 2	NW	293959.0	1246268.9	Industrial	n/a	96	96	95	95	95	-1.2	No
R1830	F 3	NW	293959.0	1246268.9	Industrial	n/a	95	95	94	94	94	-1.2	No
R1831	GF	N	293963.9	1247904.6	Residential	85	66	66	66	66	66	0.0	No
R1831	F 1	N	293963.9	1247904.6	Residential	85	70	70	69	69	70	0.6	No
R1833	GF	W	293959.8	1245974.5	Residential	85	75	75	75	75	75	0.0	No
R1833	F 1	W	293959.8	1245974.5	Residential	85	81	81	81	81	81	0.0	No
R1834	GF	W	293960.2	1245996.0	Residential	85	76	76	76	76	76	0.0	No
R1834	F 1	W	293960.2	1245996.0	Residential	85	83	83	83	83	83	0.0	No
R1835	GF	NW	293960.9	1246028.1	Residential	85	83	83	83	83	83	0.0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R1835	F 1	NW	293960.9	1246028.1	Residential	85	84	84	84	84	84	0.0	No
R1836	GF	E	293979.8	1247441.8	Residential	85	80	80	79	79	80	0.0	No
R1839	GF	E	293978.0	1247426.9	Residential	85	79	79	79	79	79	0.0	No
R1840	GF	E	293980.0	1247457.4	Residential	85	80	80	79	79	80	0.0	No
R1840	F 1	E	293980.0	1247457.4	Residential	85	82	82	81	81	82	-0.1	No
R1841	GF	E	293985.3	1247491.0	Residential	85	79	79	79	79	79	-0.1	No
R1843	GF	E	293982.6	1247471.6	Residential	85	80	80	79	79	80	0.0	No
R1843	F 1	E	293982.6	1247471.6	Residential	85	82	82	81	81	82	-0.1	No
R1845	GF	E	293989.3	1247527.8	Residential	85	78	78	77	77	78	0.0	No
R1845	F 1	E	293989.3	1247527.8	Residential	85	81	81	80	80	81	0.0	No
R1845	F 2	E	293989.3	1247527.8	Residential	85	82	82	81	81	82	-0.1	No
R1846	GF	S	293973.3	1247693.1	Residential	85	72	72	72	72	72	0.1	No
R1846	F 1	S	293973.3	1247693.1	Residential	85	75	75	74	74	75	0.1	No
R1847	GF	E	293993.0	1247557.4	Residential	85	78	78	77	77	78	0.0	No
R1849	GF	E	294021.3	1247796.9	Residential	85	76	76	75	75	76	0.1	No
R1849	F 1	E	294021.3	1247796.9	Residential	85	77	77	76	76	77	0.0	No
R1850	GF	E	293996.0	1247883.6	Industrial	n/a	69	69	70	70	72	2.6	No
R1850	F 1	E	293996.0	1247883.6	Industrial	n/a	72	72	72	72	74	1.9	No
R1851	GF	S	293971.9	1245943.6	Residential	85	80	80	80	80	80	0.0	No
R1851	F 1	S	293971.9	1245943.6	Residential	85	81	81	81	81	81	0.0	No
R1852	GF	E	293990.2	1247543.2	Residential	85	76	76	75	75	76	0.1	No
R1854	GF	E	294014.9	1247772.7	Residential	85	73	73	73	73	73	0.0	No
R1854	F 1	E	294014.9	1247772.7	Residential	85	76	76	76	76	76	0.1	No
R1854	F 2	E	294014.9	1247772.7	Residential	85	79	79	78	78	79	0.0	No
R1854	F 3	E	294014.9	1247772.7	Residential	85	80	80	79	79	80	0.0	No
R1857	GF	E	293994.3	1247571.5	Residential	85	77	77	76	76	77	0.1	No
R1858	GF	E	294015.2	1247752.3	Residential	85	74	74	74	74	74	0.0	No
R1858	F 1	E	294015.2	1247752.3	Residential	85	77	77	77	77	77	0.1	No
R1861	GF	W	293975.3	1246404.6	Industrial	n/a	107	107	116	116	116	9.6	No
R1863	GF	E	294000.6	1247630.7	Residential	85	76	76	75	75	75	-0.1	No
R1863	F 1	E	294000.6	1247630.7	Residential	85	79	79	78	78	79	0.0	No
R1863	F 2	E	294000.6	1247630.7	Residential	85	81	81	80	80	81	0.0	No
R1864	GF	E	294028.8	1247853.0	Residential	85	74	74	73	73	74	0.0	No
R1864	F 1	E	294028.8	1247853.0	Residential	85	76	76	75	75	76	0.1	No
R1864	F 2	E	294028.8	1247853.0	Residential	85	77	77	76	76	77	0.2	No
R1866	GF	E	293993.6	1247585.2	Residential	85	76	76	75	75	76	0.0	No
R1866	F 1	E	293993.6	1247585.2	Residential	85	79	79	78	78	79	0.0	No
R1874	GF	E	293998.8	1247612.9	Residential	85	75	75	74	74	74	-0.2	No
R1874	F 1	E	293998.8	1247612.9	Residential	85	78	78	77	77	78	0.0	No
R1875	GF	E	294007.4	1247692.1	Residential	85	74	74	73	73	74	0.1	No
R1875	F 1	E	294007.4	1247692.1	Residential	85	77	77	77	77	77	0.2	No
R1875	F 2	E	294007.4	1247692.1	Residential	85	80	80	79	79	80	0.3	No
R1876	GF	E	293996.5	1247599.3	Residential	85	75	75	74	74	75	-0.1	No
R1879	GF	E	294013.6	1247731.7	Residential	85	74	74	73	73	74	0.1	No
R1879	F 1	E	294013.6	1247731.7	Residential	85	77	77	76	76	77	0.1	No
R1879	F 2	E	294013.6	1247731.7	Residential	85	80	80	79	79	80	0.0	No
R1885	GF	E	294011.2	1247711.6	Residential	85	74	74	73	73	74	0.0	No
R1885	F 1	E	294011.2	1247711.6	Residential	85	77	77	76	76	77	0.2	No
R1889	GF	E	294001.3	1247650.4	Residential	85	76	76	75	75	76	0.1	No
R1889	F 1	E	294001.3	1247650.4	Residential	85	79	79	78	78	79	0.0	No
R1892	GF	NW	293996.4	1246472.7	Industrial	n/a	92	92	96	96	96	3.5	No
R1893	GF	E	294009.6	1247281.7	Residential	85	76	76	76	76	76	0.1	No
R1899	GF	E	294009.0	1247300.6	Residential	85	78	78	77	77	78	0.1	No
R1903	GF	E	294011.2	1247318.8	Residential	85	78	78	78	78	78	0.0	No
R1906	GF	E	294074.1	1247289.0	Industrial	n/a	89	89	89	89	89	-0.1	No
R1907	GF	E	294011.5	1247335.3	Residential	85	79	79	79	79	79	0.0	No
R1910	GF	E	294024.6	1247895.5	Industrial	n/a	75	75	74	74	76	1.0	No
R1913	GF	E	294016.6	1247349.5	Residential	85	80	80	79	79	80	0.0	No
R1916	GF	E	294024.1	1247815.4	Residential	85	75	75	75	75	75	0.1	No
R1916	F 1	E	294024.1	1247815.4	Residential	85	77	77	76	76	77	0.1	No
R1918	GF	E	294017.3	1247387.5	Residential	85	81	81	80	80	81	-0.1	No
R1920	GF	E	294022.3	1247364.1	Residential	85	79	79	79	79	79	0.0	No
R1923	GF	W	294007.8	1246548.4	Industrial	n/a	94	94	98	98	98	3.6	No
R1924	GF	W	294007.9	1245975.1	Residential	85	72	72	72	72	72	0.0	No
R1924	F 1	W	294007.9	1245975.1	Residential	85	75	75	75	75	75	0.0	No
R1924	F 2	W	294007.9	1245975.1	Residential	85	79	79	79	79	79	0.0	No
R1926	GF	E	294023.5	1247404.2	Residential	85	83	83	83	83	83	-0.1	No
R1928	GF	S	294017.8	1245940.3	Residential	85	77	77	77	77	77	0.0	No
R1929	GF	E	294023.1	1247421.4	Residential	85	83	83	83	83	83	0.0	No
R1934	GF	E	294021.9	1247458.8	Residential	85	81	81	80	80	81	-0.1	No
R1937	GF	W	294014.6	1245934.9	Residential	85	78	78	78	78	78	0.0	No
R1942	GF	S	294024.6	1247519.2	Residential	85	80	80	79	79	80	0.1	No
R1945	GF	N	294028.4	1247306.4	Residential	85	76	76	75	75	76	0.0	No
R1947	GF	NW	294024.1	1246499.1	Industrial	n/a	87	87	87	87	87	-0.1	No
R1951	GF	W	294045.5	1246373.0	Industrial	n/a	80	80	81	81	81	0.7	No
R1953	GF	E	294038.4	1247542.7	Residential	85	80	80	80	80	80	0.0	No
R1953	F 1	E	294038.4	1247542.7	Residential	85	83	83	82	82	83	0.0	No
R1959	GF	N	294037.6	1247616.1	Residential	85	73	73	73	73	73	0.1	No
R1959	F 1	N	294037.6	1247616.1	Residential	85	77	77	77	77	77	0.0	No
R1960	GF	E	294039.6	1247563.4	Residential	85	81	81	80	80	80	-0.1	No
R1963	GF	S	294041.7	1247516.5	Residential	85	80	80	80	80	80	0.0	No
R1967	GF	E	294053.1	1247576.3	Residential	85	82	82	81	81	82	0.0	No
R1967	F 1	E	294053.1	1247576.3	Residential	85	83	83	82	82	83	-0.1	No
R1967	F 2	E	294053.1	1247576.3	Residential	85	84	84	84	84	84	-0.1	No
R1974	GF	E	294050.2	1247620.6	Residential	85	77	77	77	77	77	0.0	No
R1980	GF	E	294052.0	1247644.5	Residential	85	78	78	77	77	78	-0.1	No
R1980	F 1	E	294052.0	1247644.5	Residential	85	81	81	80	80	81	0.0	No
R1981	GF	N	294047.1	1245988.7	Residential	85	71	71	71	71	71	0.0	No
R1982	GF	E	294059.4	1247662.5	Residential	85	77	77	77	77	77	0.1	No
R1983	GF	E	294055.5	1247682.6	Residential	85	76	76	75	75	76	0.1	No
R1983	F 1	E	294055.5	1247682.6	Residential	85	80	80	79	79	80	0.1	No
R1986	GF	N	294047.4	1245947.7	Residential	85	70	70	70	70	70	0.0	No
R1987	GF	N	294053.5	1247491.1	Industrial	n/a	81	81	80	80	81	-0.3	No
R1987	F 1	N	294053.5	1247491.1	Industrial	n/a	83	83	82	82	83	-0.1	No
R1995	GF	E	294060.6	1247704.4	Residential	85	76	76	75	75	76	0.2	No
R1995	F 1	E	294060.6	1247704.4	Residential	85	79	79	78	78	79	0.3	No
R1996	GF	S	294055.2	1247596.3	Residential	85	79	79	78	78	79	0.0	No
R2003	GF	E	294062.8	1247719.2	Residential	85	77	77	76	76	77	0.2	No
R2003	F 1	E	294062.8	1247719.2	Residential	85	79	79	79	79	80	0.4	No
R2006	GF	E	294064.1	1247740.0	Residential	85	77	77	77	77	77	0.2	No
R2009	GF	E	294064.5	1247754.1	Residential	85	77	77	77	77	77	0.1	No
R2012	GF	N	294057.5	1245951.5	Residential	85	71	71	71	71	71	0.0	No
R2014	GF	E	294065.1	1247767.9	Residential	85	76	76	75	75	76	0.1	No
R2015	GF	E	294083.7	1247780.3	Residential	85	78	78	78	78	79	0.3	No
R2015	F 1	E	294083.7	1247780.3	Residential	85	82	82	81	81	82	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2016	GF	E	294067.9	1247525.9	Residential	85	84	84	83	83	84	-0.2	No
R2024	GF	E	294095.0	1247815.6	Residential	85	81	81	81	81	82	0.1	No
R2024	F 1	E	294095.0	1247815.6	Residential	85	82	82	82	82	82	0.1	No
R2024	F 2	E	294095.0	1247815.6	Residential	85	83	83	83	83	83	0.1	No
R2024	F 3	E	294095.0	1247815.6	Residential	85	84	84	83	83	84	0.2	No
R2026	GF	E	294113.9	1247843.5	Residential	85	82	82	82	82	83	0.8	No
R2026	F 1	E	294113.9	1247843.5	Residential	85	83	83	82	82	83	0.6	No
R2026	F 2	E	294113.9	1247843.5	Residential	85	84	84	83	83	84	0.5	No
R2028	GF	E	294095.2	1247456.0	Industrial	n/a	89	89	88	88	89	-0.1	No
R2029	GF	S	294070.4	1245938.5	Residential	85	71	71	71	71	71	0.0	No
R2031	GF	E	294096.4	1247865.4	Residential	85	79	79	79	79	80	1.3	No
R2031	F 1	E	294096.4	1247865.4	Residential	85	80	80	80	80	81	1.1	No
R2031	F 2	E	294096.4	1247865.4	Residential	85	81	81	81	81	82	1.0	No
R2034	GF	S	294072.9	1247590.1	Residential	85	81	81	80	80	81	0.0	No
R2034	F 1	S	294072.9	1247590.1	Residential	85	83	83	82	82	83	0.0	No
R2038	GF	NW	294072.5	1246401.1	Industrial	n/a	77	77	77	77	77	0.0	No
R2040	GF	E	294084.4	1247634.5	Residential	85	79	79	79	79	79	0.0	No
R2050	GF	E	294103.9	1247920.5	Commercial	n/a	76	76	75	75	76	0.1	No
R2051	GF	E	294092.7	1247582.0	Residential	85	81	81	81	81	81	-0.1	No
R2055	GF	E	294134.1	1247670.6	Residential	85	89	89	89	89	89	-0.2	No
R2055	F 1	E	294134.1	1247670.6	Residential	85	89	89	89	89	89	-0.2	No
R2055	F 2	E	294134.1	1247670.6	Residential	85	89	89	89	89	89	-0.2	No
R2061	GF	E	294105.1	1247517.5	Residential	85	89	89	88	88	89	-0.2	No
R2062	GF	W	294088.9	1245977.2	Residential	85	72	72	72	72	72	0.0	No
R2062	F 1	W	294088.9	1245977.2	Residential	85	75	75	75	75	75	0.0	No
R2064	GF	E	294104.3	1247762.9	Residential	85	80	80	80	80	81	0.3	No
R2070	GF	E	294113.8	1247571.4	Residential	85	89	89	88	88	89	-0.2	No
R2070	F 1	E	294113.8	1247571.4	Residential	85	89	89	88	88	89	-0.2	No
R2071	GF	W	294095.5	1245944.1	Residential	85	70	70	70	70	70	0.0	No
R2072	GF	S	294099.8	1247646.4	Residential	85	80	80	80	80	80	-0.1	No
R2073	GF	E	294105.3	1247776.7	Residential	85	82	82	81	81	82	0.2	No
R2075	GF	NW	294106.1	1246406.5	Industrial	n/a	76	76	76	76	76	0.0	No
R2081	GF	E	294126.3	1247628.9	Residential	85	89	89	88	88	89	-0.3	No
R2081	F 1	E	294126.3	1247628.9	Residential	85	89	89	89	89	89	-0.2	No
R2083	GF	E	294119.1	1247588.8	Residential	85	89	89	89	89	89	-0.3	No
R2085	GF	NW	294105.1	1246549.6	Industrial	n/a	81	81	81	81	81	0.0	No
R2087	GF	E	294136.7	1247711.7	Residential	85	89	89	88	88	89	-0.2	No
R2087	F 1	E	294136.7	1247711.7	Residential	85	89	89	88	88	89	-0.1	No
R2087	F 2	E	294136.7	1247711.7	Residential	85	89	89	88	88	89	-0.2	No
R2087	F 3	E	294136.7	1247711.7	Residential	85	89	89	88	88	89	-0.2	No
R2088	GF	E	294133.8	1247691.1	Residential	85	89	89	88	88	89	-0.2	No
R2088	F 1	E	294133.8	1247691.1	Residential	85	89	89	88	88	89	-0.2	No
R2088	F 2	E	294133.8	1247691.1	Residential	85	89	89	88	88	89	-0.1	No
R2088	F 3	E	294133.8	1247691.1	Residential	85	89	89	88	88	89	-0.1	No
R2090	GF	W	294107.4	1246371.8	Industrial	n/a	74	74	74	74	74	0.3	No
R2092	GF	E	294127.7	1247607.7	Residential	85	90	90	89	89	89	-0.1	No
R2093	GF	E	294131.3	1247652.3	Residential	85	89	89	89	89	89	-0.3	No
R2102	GF	N	294130.0	1246399.3	Industrial	n/a	73	73	73	73	73	0.0	No
R2103	GF	S	294141.8	1247920.2	Commercial	n/a	75	75	75	75	76	1.2	No
R2103	F 1	S	294141.8	1247920.2	Commercial	n/a	80	80	80	80	81	0.6	No
R2106	GF	NW	294119.7	1246602.0	Industrial	n/a	82	82	82	82	82	0.1	No
R2106	F 1	NW	294119.7	1246602.0	Industrial	n/a	82	82	82	82	82	0.1	No
R2106	F 2	NW	294119.7	1246602.0	Industrial	n/a	82	82	82	82	82	0.1	No
R2109	GF	W	294122.1	1247156.6	Residential	85	89	89	91	91	90	0.5	No
R2109	F 1	W	294122.1	1247156.6	Residential	85	89	89	91	91	90	0.5	No
R2110	GF	E	294143.0	1247749.5	Residential	85	89	89	88	88	89	-0.1	No
R2112	GF	E	294144.5	1247777.5	Residential	85	87	87	87	87	87	-0.1	No
R2113	GF	W	294133.6	1245948.5	Residential	85	70	70	70	70	70	0.0	No
R2114	GF	E	294140.0	1247732.3	Residential	85	89	89	88	88	89	-0.1	No
R2118	GF	E	294147.2	1247767.9	Residential	85	89	89	88	88	89	-0.1	No
R2118	F 1	E	294147.2	1247767.9	Residential	85	89	89	88	88	89	-0.1	No
R2120	GF	W	294135.7	1245979.6	Residential	85	71	71	71	71	71	0.0	No
R2121	GF	NW	294136.2	1246416.9	Industrial	n/a	75	75	75	75	75	-0.2	No
R2122	GF	W	294136.5	1247205.4	Residential	85	83	83	90	90	82	-1.2	No
R2122	F 1	W	294136.5	1247205.4	Residential	85	84	84	90	90	84	0.2	No
R2125	GF	E	294159.5	1247833.9	Commercial	n/a	89	89	88	88	89	0.0	No
R2125	F 1	E	294159.5	1247833.9	Commercial	n/a	89	89	88	88	89	0.0	No
R2128	GF	W	294139.7	1247218.9	Residential	85	83	83	90	90	82	-1.0	No
R2128	F 1	W	294139.7	1247218.9	Residential	85	83	83	90	90	82	-0.9	No
R2134	GF	SW	294143.1	1246481.4	Industrial	n/a	76	76	76	76	76	0.0	No
R2135	GF	W	294143.3	1247237.6	Residential	85	82	82	90	90	81	-1.0	No
R2137	GF	SW	294146.1	1246336.2	Industrial	n/a	70	70	70	70	70	0.0	No
R2137	F 1	SW	294146.1	1246336.2	Industrial	n/a	74	74	74	74	74	-0.1	No
R2138	GF	W	294147.0	1247264.6	Residential	85	80	80	90	90	79	-1.0	No
R2140	GF	W	294150.4	1247281.4	Residential	85	81	81	90	90	80	-1.3	No
R2140	F 1	W	294150.4	1247281.4	Residential	85	82	82	90	90	83	1.3	No
R2142	GF	W	294151.5	1247153.2	Residential	85	83	83	86	86	83	0.3	No
R2142	F 1	W	294151.5	1247153.2	Residential	85	84	84	86	86	84	0.2	No
R2146	GF	W	294153.2	1247295.8	Residential	85	82	82	90	90	80	-1.9	No
R2146	F 1	W	294153.2	1247295.8	Residential	85	82	82	90	90	82	0.1	No
R2149	GF	W	294154.6	1247310.7	Residential	85	82	82	90	90	81	-1.5	No
R2149	F 1	W	294154.6	1247310.7	Residential	85	82	82	90	90	84	1.2	No
R2152	GF	W	294156.5	1247321.8	Residential	85	82	82	90	90	79	-2.3	No
R2152	F 1	W	294156.5	1247321.8	Residential	85	82	82	90	90	82	0.3	No
R2156	GF	W	294157.5	1245979.0	Residential	85	68	68	67	67	67	-0.2	No
R2157	GF	SW	294158.5	1246316.2	Industrial	n/a	72	72	72	72	72	0.0	No
R2157	F 1	SW	294158.5	1246316.2	Industrial	n/a	72	72	72	72	72	0.0	No
R2158	GF	W	294158.7	1247364.9	Residential	85	84	84	91	91	80	-4.0	No
R2159	GF	W	294159.1	1247335.0	Residential	85	82	82	90	90	79	-3.1	No
R2161	GF	W	294161.4	1247347.6	Residential	85	83	83	90	90	79	-3.6	No
R2165	GF	E	294184.1	1247938.4	Commercial	n/a	86	86	86	86	87	1.0	No
R2165	F 1	E	294184.1	1247938.4	Commercial	n/a	88	88	87	87	88	0.3	No
R2165	F 2	E	294184.1	1247938.4	Commercial	n/a	88	88	87	87	88	0.3	No
R2166	GF	W	294165.9	1247379.5	Residential	85	81	81	90	90	80	-1.8	No
R2171	GF	N	294177.8	1245958.4	Residential	85	67	67	67	67	67	-0.1	No
R2172	GF	S	294174.8	1247142.9	Residential	85	83	83	83	83	83	0.2	No
R2175	GF	S	294178.1	1247226.9	Residential	85	78	78	80	80	78	-0.3	No
R2176	GF	W	294170.3	1247393.2	Residential	85	80	80	90	90	79	-1.4	No
R2178	GF	W	294171.4	1247407.7	Residential	85	80	80	90	90	79	-1.0	No
R2181	GF	W	294173.8	1247421.0	Residential	85	80	80	90	90	79	-0.6	No
R2181	F 1	W	294173.8	1247421.0	Residential	85	81	81	90	90	83	1.6	No
R2183	GF	W	294175.9	1246308.9	Industrial	n/a	71	71	71	71	71	-0.1	No
R2184	GF	W	294176.0	1247434.9	Residential	85	80	80	90	90	79	-0.9	No
R2184	F 1	W	294176.0	1247434.9	Residential	85	81	81	90	90	83	1.3	No
R2185	GF	W	294176.5	1247091.2	Residential	85	84	84	84	84	84	0.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2187	GF	W	294178.9	1245982.4	Residential	85	67	67	67	67	67	0.0	No
R2187	F 1	W	294178.9	1245982.4	Residential	85	72	72	72	72	72	0.0	No
R2189	GF	NW	294184.6	1246371.8	Industrial	n/a	71	71	72	72	72	0.2	No
R2192	GF	W	294180.5	1247446.5	Residential	85	79	79	89	89	78	-0.7	No
R2193	GF	N	294188.2	1245952.8	Residential	85	64	64	64	64	64	-0.1	No
R2194	GF	W	294183.2	1247458.1	Residential	85	78	78	89	89	77	-1.3	No
R2194	F 1	W	294183.2	1247458.1	Residential	85	80	80	89	89	80	0.6	No
R2195	GF	NW	294195.1	1246627.0	Industrial	n/a	80	80	80	80	80	0.1	No
R2196	GF	W	294183.9	1247365.0	Residential	85	77	77	78	78	76	-0.6	No
R2198	GF	W	294186.7	1247354.3	Residential	85	78	78	79	79	76	-1.8	No
R2200	GF	W	294187.7	1247331.7	Residential	85	76	76	79	79	75	-0.4	No
R2201	GF	W	294188.0	1247497.7	Residential	85	78	78	90	90	79	0.6	No
R2201	F 1	W	294188.0	1247497.7	Residential	85	80	80	90	90	82	2.3	No
R2203	GF	S	294194.8	1247142.4	Residential	85	82	82	82	82	82	0.2	No
R2205	GF	S	294192.8	1247222.8	Residential	85	79	79	81	81	79	-0.1	No
R2206	GF	N	294195.3	1245949.7	Residential	85	65	65	64	64	64	-0.1	No
R2208	GF	W	294191.9	1247518.7	Residential	85	79	79	90	90	78	-1.0	No
R2208	F 1	W	294191.9	1247518.7	Residential	85	80	80	90	90	81	0.9	No
R2209	GF	W	294192.9	1245964.3	Residential	85	67	67	67	67	67	0.0	No
R2212	GF	W	294193.7	1247537.5	Residential	85	80	80	90	90	78	-1.5	No
R2216	GF	NW	294201.9	1246370.7	Industrial	n/a	70	70	70	70	70	0.0	No
R2216	F 1	NW	294201.9	1246370.7	Industrial	n/a	75	75	75	75	75	0.0	No
R2218	GF	W	294196.9	1247216.5	Residential	85	80	80	82	82	79	-0.4	No
R2219	GF	W	294205.2	1245987.4	Residential	85	69	69	69	69	69	0.0	No
R2219	F 1	W	294205.2	1245987.4	Residential	85	70	70	70	70	70	0.0	No
R2220	GF	W	294197.3	1247577.7	Residential	85	80	80	91	91	80	0.4	No
R2220	F 1	W	294197.3	1247577.7	Residential	85	82	82	91	91	84	2.5	No
R2222	GF	W	294198.1	1247370.4	Residential	85	76	76	78	78	75	-0.2	No
R2223	GF	W	294198.1	1247124.6	Residential	85	83	83	83	83	83	0.2	No
R2225	GF	S	294204.9	1247393.1	Residential	85	75	75	78	78	75	-0.3	No
R2226	GF	W	294200.7	1247414.9	Residential	85	77	77	78	78	76	-0.2	No
R2228	GF	S	294207.2	1245947.5	Residential	85	66	66	66	66	66	0.0	No
R2229	GF	W	294203.5	1247595.9	Residential	85	79	79	90	90	79	-0.4	No
R2229	F 1	W	294203.5	1247595.9	Residential	85	81	81	90	90	82	1.7	No
R2231	GF	W	294204.2	1247140.8	Residential	85	81	81	81	81	82	0.1	No
R2231	F 1	W	294204.2	1247140.8	Residential	85	82	82	83	83	82	-0.2	No
R2231	F 2	W	294204.2	1247140.8	Residential	85	82	82	83	83	82	-0.3	No
R2235	GF	SW	294206.5	1246302.8	Industrial	n/a	70	70	69	69	69	-0.2	No
R2235	F 1	SW	294206.5	1246302.8	Industrial	n/a	72	72	72	72	72	-0.1	No
R2236	GF	S	294216.4	1247487.8	Residential	85	73	73	81	81	73	-0.3	No
R2236	F 1	S	294216.4	1247487.8	Residential	85	74	74	82	82	75	0.8	No
R2237	GF	W	294207.7	1247616.1	Residential	85	79	79	90	90	78	-1.6	No
R2237	F 1	W	294207.7	1247616.1	Residential	85	81	81	90	90	81	0.5	No
R2238	GF	W	294208.6	1247299.5	Residential	85	76	76	79	79	75	-1.0	No
R2239	GF	W	294208.9	1247634.8	Residential	85	81	81	90	90	79	-2.0	No
R2241	GF	W	294209.0	1247205.4	Residential	85	79	79	81	81	78	-0.9	No
R2243	GF	W	294210.1	1247191.0	Residential	85	79	79	81	81	78	-1.1	No
R2243	F 1	W	294210.1	1247191.0	Residential	85	80	80	83	83	80	-0.6	No
R2246	GF	W	294212.2	1247456.5	Residential	85	75	75	81	81	75	-0.1	No
R2247	GF	W	294212.8	1247654.4	Residential	85	81	81	90	90	79	-1.7	No
R2247	F 1	W	294212.8	1247654.4	Residential	85	81	81	90	90	83	1.2	No
R2249	GF	W	294213.7	1247251.0	Residential	85	77	77	80	80	76	-0.6	No
R2249	F 1	W	294213.7	1247251.0	Residential	85	79	79	82	82	78	-0.7	No
R2253	GF	W	294216.3	1247393.6	Residential	85	76	76	77	77	75	-0.4	No
R2254	GF	W	294216.5	1247694.1	Residential	85	82	82	91	91	79	-2.6	No
R2255	GF	W	294217.5	1247671.1	Residential	85	79	79	90	90	79	-0.6	No
R2256	GF	W	294217.6	1247224.2	Residential	85	76	76	79	79	76	-0.4	No
R2256	F 1	W	294217.6	1247224.2	Residential	85	80	80	82	82	79	-0.5	No
R2258	GF	W	294218.7	1247432.2	Residential	85	75	75	79	79	75	-0.2	No
R2261	GF	W	294221.1	1247267.5	Residential	85	76	76	80	80	76	-0.1	No
R2262	GF	W	294221.9	1247720.3	Residential	85	81	81	90	90	81	-0.3	No
R2263	GF	NW	294222.3	1246325.2	Industrial	n/a	66	66	66	66	66	0.0	No
R2263	F 1	NW	294222.3	1246325.2	Industrial	n/a	70	70	70	70	70	0.0	No
R2264	GF	W	294222.2	1247445.7	Residential	85	75	75	77	77	75	-0.2	No
R2264	F 1	W	294222.2	1247445.7	Residential	85	76	76	82	82	77	0.9	No
R2264	F 2	W	294222.2	1247445.7	Residential	85	77	77	85	85	79	2.1	No
R2267	GF	W	294225.1	1247405.1	Residential	85	75	75	77	77	74	-0.3	No
R2267	F 1	W	294225.1	1247405.1	Residential	85	77	77	81	81	77	0.2	No
R2271	GF	W	294226.7	1247736.0	Residential	85	81	81	90	90	80	-0.4	No
R2272	GF	W	294228.1	1247299.0	Residential	85	76	76	78	78	75	-0.8	No
R2274	GF	W	294228.4	1247283.0	Residential	85	75	75	79	79	75	-0.6	No
R2277	GF	W	294229.2	1247755.3	Residential	85	81	81	90	90	80	-0.2	No
R2277	F 1	W	294229.2	1247755.3	Residential	85	82	82	90	90	84	1.5	No
R2279	GF	W	294231.6	1247342.7	Residential	85	76	76	77	77	74	-1.7	No
R2280	GF	W	294231.7	1247309.8	Residential	85	76	76	77	77	75	-1.0	No
R2281	GF	N	294239.3	1247581.2	Residential	85	75	75	77	77	74	-0.3	No
R2283	GF	W	294234.6	1247327.2	Residential	85	76	76	77	77	75	-0.8	No
R2283	F 1	W	294234.6	1247327.2	Residential	85	78	78	80	80	77	-1.1	No
R2284	GF	S	294241.6	1247683.3	Residential	85	76	76	81	81	76	-0.5	No
R2285	GF	W	294235.2	1247391.3	Residential	85	75	75	76	76	74	-0.8	No
R2285	F 1	W	294235.2	1247391.3	Residential	85	77	77	79	79	76	-1.0	No
R2286	GF	NW	294241.6	1246397.3	Industrial	n/a	69	69	70	70	70	0.4	No
R2286	F 1	NW	294241.6	1246397.3	Industrial	n/a	73	73	74	74	74	0.5	No
R2288	GF	S	294245.2	1247706.0	Residential	85	76	76	80	80	76	-0.3	No
R2289	GF	W	294237.1	1247793.1	Residential	85	80	80	90	90	82	2.0	No
R2289	F 1	W	294237.1	1247793.1	Residential	85	82	82	90	90	83	1.7	No
R2289	F 2	W	294237.1	1247793.1	Residential	85	84	84	90	90	88	3.9	Yes
R2289	F 3	W	294237.1	1247793.1	Residential	85	88	88	90	90	88	0.3	No
R2290	GF	NW	294237.9	1246338.9	Industrial	n/a	67	67	67	67	67	0.0	No
R2291	GF	W	294239.0	1247363.3	Residential	85	75	75	77	77	74	-0.8	No
R2291	F 1	W	294239.0	1247363.3	Residential	85	77	77	79	79	76	-1.0	No
R2293	GF	W	294240.0	1245950.2	Commercial	n/a	67	67	67	67	67	-0.2	No
R2294	GF	W	294240.8	1247816.0	Residential	85	80	80	90	90	82	1.9	No
R2294	F 1	W	294240.8	1247816.0	Residential	85	82	82	90	90	83	1.4	No
R2295	GF	S	294254.1	1247721.1	Residential	85	76	76	79	79	76	-0.1	No
R2296	GF	S	294243.5	1247429.7	Residential	85	71	71	73	73	71	0.3	No
R2296	F 1	S	294243.5	1247429.7	Residential	85	73	73	78	78	73	0.3	No
R2297	GF	W	294244.4	1247486.7	Residential	85	73	73	79	79	73	-0.3	No
R2297	F 1	W	294244.4	1247486.7	Residential	85	74	74	80	80	75	1.0	No
R2297	F 2	W	294244.4	1247486.7	Residential	85	76	76	82	82	78	1.8	No
R2299	GF	W	294245.9	1247137.4	Residential	85	77	77	78	78	77	0.0	No
R2299	F 1	W	294245.9	1247137.4	Residential	85	77	77	78	78	77	0.0	No
R2300	GF	W	294246.3	1247451.8	Residential	85	72	72	77	77	72	0.1	No
R2300	F 1	W	294246.3	1247451.8	Residential	85	74	74	80	80	74	0.4	No
R2301	GF	NE	294267.4	1246380.1	Industrial	n/a	69	69	70	70	69	0.0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2304	GF	W	294250.4	1247545.2	Residential	85	74	74	80	80	74	-0.3	No
R2305	GF	S	294261.7	1247743.6	Residential	85	74	74	79	79	75	0.8	No
R2306	GF	S	294256.7	1247682.3	Residential	85	75	75	80	80	75	-0.2	No
R2307	GF	S	294260.5	1247785.5	Residential	85	74	74	81	81	73	-0.4	No
R2307	F 1	S	294260.5	1247785.5	Residential	85	76	76	82	82	77	1.5	No
R2307	F 2	S	294260.5	1247785.5	Residential	85	77	77	83	83	80	2.7	No
R2307	F 3	S	294260.5	1247785.5	Residential	85	79	79	83	83	82	2.9	No
R2308	GF	W	294251.9	1247151.8	Residential	85	76	76	78	78	76	-0.7	No
R2311	GF	W	294254.2	1247829.4	Residential	85	80	80	89	89	80	-0.4	No
R2311	F 1	W	294254.2	1247829.4	Residential	85	82	82	89	89	82	-0.1	No
R2312	GF	S	294259.6	1247125.2	Residential	85	78	78	78	78	78	-0.1	No
R2312	F 1	S	294259.6	1247125.2	Residential	85	78	78	78	78	78	0.0	No
R2313	GF	N	294261.1	1247720.8	Residential	85	75	75	78	78	75	0.0	No
R2316	GF	W	294256.1	1247171.1	Residential	85	77	77	78	78	76	-1.0	No
R2317	GF	W	294256.7	1247188.4	Residential	85	76	76	77	77	75	-0.7	No
R2317	F 1	W	294256.7	1247188.4	Residential	85	78	78	80	80	77	-0.4	No
R2318	GF	W	294256.8	1247953.1	Commercial	n/a	90	90	92	92	91	1.2	No
R2319	GF	W	294256.8	1247892.4	Residential	85	84	84	90	90	81	-3.0	No
R2319	F 1	W	294256.8	1247892.4	Residential	85	85	85	90	90	83	-2.5	No
R2319	F 2	W	294256.8	1247892.4	Residential	85	87	87	90	90	86	-0.5	No
R2321	GF	W	294259.1	1247202.3	Residential	85	76	76	77	77	75	-0.6	No
R2322	GF	W	294260.1	1247210.3	Residential	85	75	75	77	77	74	-0.6	No
R2324	GF	SW	294260.7	1246199.1	Active recreation	n/a	70	70	70	70	70	-0.1	No
R2325	GF	W	294261.1	1247507.0	Residential	85	73	73	78	78	73	0.0	No
R2325	F 1	W	294261.1	1247507.0	Residential	85	74	74	79	79	75	1.1	No
R2326	GF	W	294261.5	1246347.2	Industrial	n/a	65	65	65	65	65	0.0	No
R2326	F 1	W	294261.5	1246347.2	Industrial	n/a	70	70	70	70	70	-0.1	No
R2327	GF	W	294263.8	1247588.8	Residential	85	75	75	78	78	75	-0.1	No
R2328	GF	W	294263.8	1247227.2	Residential	85	75	75	76	76	74	-0.5	No
R2328	F 1	W	294263.8	1247227.2	Residential	85	77	77	80	80	77	-0.4	No
R2330	GF	W	294265.9	1247525.5	Residential	85	73	73	78	78	73	-0.4	No
R2330	F 1	W	294265.9	1247525.5	Residential	85	74	74	80	80	75	0.9	No
R2331	GF	W	294266.1	1247243.4	Residential	85	74	74	77	77	74	-0.3	No
R2331	F 1	W	294266.1	1247243.4	Residential	85	77	77	80	80	77	-0.2	No
R2332	GF	W	294269.0	1247643.9	Residential	85	75	75	80	80	76	0.5	No
R2333	GF	W	294270.8	1247570.5	Residential	85	74	74	77	77	74	0.1	No
R2334	GF	N	294290.5	1245979.6	Commercial	n/a	67	67	67	67	67	-0.1	No
R2335	GF	W	294272.9	1247282.6	Residential	85	73	73	75	75	73	-0.5	No
R2335	F 1	W	294272.9	1247282.6	Residential	85	76	76	79	79	76	-0.6	No
R2336	GF	W	294273.1	1247160.2	Residential	85	75	75	76	76	74	-1.0	No
R2337	GF	S	294278.3	1247776.0	Residential	85	73	73	79	79	73	-0.3	No
R2337	F 1	S	294278.3	1247776.0	Residential	85	75	75	81	81	76	1.3	No
R2337	F 2	S	294278.3	1247776.0	Residential	85	76	76	82	82	79	2.4	No
R2337	F 3	S	294278.3	1247776.0	Residential	85	77	77	83	83	81	3.2	No
R2338	GF	S	294280.5	1247744.0	Residential	85	73	73	77	77	73	0.4	No
R2339	GF	W	294274.0	1247604.1	Residential	85	74	74	79	79	75	0.5	No
R2339	F 1	W	294274.0	1247604.1	Residential	85	75	75	82	82	77	1.3	No
R2341	GF	W	294275.8	1247301.7	Residential	85	73	73	75	75	73	-0.5	No
R2342	GF	N	294285.5	1247827.6	Residential	85	75	75	82	82	72	-3.1	No
R2343	GF	W	294278.4	1247318.9	Residential	85	72	72	73	73	72	-0.4	No
R2343	F 1	W	294278.4	1247318.9	Residential	85	75	75	78	78	74	-0.7	No
R2348	GF	W	294282.2	1247630.4	Residential	85	74	74	78	78	74	0.6	No
R2349	GF	W	294285.1	1247336.4	Residential	85	71	71	73	73	71	-0.3	No
R2350	GF	W	294283.3	1247665.1	Residential	85	74	74	80	80	75	0.8	No
R2350	F 1	W	294283.3	1247665.1	Residential	85	76	76	82	82	77	1.2	No
R2353	GF	W	294286.8	1247687.3	Residential	85	74	74	79	79	75	0.6	No
R2353	F 1	W	294286.8	1247687.3	Residential	85	76	76	82	82	77	0.9	No
R2354	GF	W	294287.1	1247358.0	Residential	85	72	72	73	73	71	-0.5	No
R2356	GF	W	294288.9	1247381.4	Residential	85	72	72	73	73	71	-0.5	No
R2356	F 1	W	294288.9	1247381.4	Residential	85	74	74	76	76	74	-0.6	No
R2358	GF	S	294297.2	1247271.5	Residential	85	72	72	73	73	71	-1.0	No
R2359	GF	W	294291.8	1247179.2	Residential	85	72	72	72	72	72	-0.4	No
R2360	GF	W	294292.2	1247195.4	Residential	85	72	72	72	72	71	-0.1	No
R2361	GF	S	294298.0	1247420.3	Residential	85	71	71	71	71	71	-0.5	No
R2362	GF	W	294292.4	1247399.1	Residential	85	72	72	72	72	71	-0.6	No
R2363	GF	W	294293.4	1247701.2	Residential	85	73	73	78	78	74	0.5	No
R2364	GF	S	294300.9	1247291.7	Residential	85	70	70	70	70	69	-0.2	No
R2366	GF	NW	294295.3	1246425.0	Industrial	n/a	71	71	72	72	72	0.4	No
R2371	GF	W	294299.6	1247231.7	Residential	85	71	71	73	73	71	-0.2	No
R2372	GF	W	294299.8	1247725.9	Residential	85	73	73	76	76	73	0.3	No
R2375	GF	W	294302.6	1247744.9	Residential	85	72	72	77	77	72	0.1	No
R2376	GF	N	294322.8	1245974.3	Commercial	n/a	66	66	66	66	66	-0.2	No
R2378	GF	S	294307.8	1247859.3	Residential	85	71	71	82	82	71	0.5	No
R2378	F 1	S	294307.8	1247859.3	Residential	85	73	73	82	82	73	0.0	No
R2378	F 2	S	294307.8	1247859.3	Residential	85	74	74	82	82	75	1.2	No
R2380	GF	S	294310.7	1247269.4	Residential	85	71	71	73	73	70	-0.4	No
R2381	GF	N	294315.3	1247438.3	Residential	85	68	68	72	72	69	0.4	No
R2381	F 1	N	294315.3	1247438.3	Residential	85	69	69	74	74	71	1.2	No
R2382	GF	W	294306.9	1247804.2	Residential	85	72	72	77	77	72	0.6	No
R2382	F 1	W	294306.9	1247804.2	Residential	85	73	73	79	79	73	0.0	No
R2382	F 2	W	294306.9	1247804.2	Residential	85	75	75	81	81	75	0.3	No
R2383	GF	W	294307.2	1247495.0	Residential	85	71	71	72	72	71	-0.5	No
R2383	F 1	W	294307.2	1247495.0	Residential	85	73	73	76	76	73	0.0	No
R2384	GF	N	294316.9	1247300.9	Residential	85	70	70	71	71	70	-0.3	No
R2385	GF	W	294310.0	1247480.1	Residential	85	71	71	73	73	71	-0.4	No
R2387	GF	W	294312.0	1247518.0	Residential	85	71	71	72	72	71	-0.3	No
R2387	F 1	W	294312.0	1247518.0	Residential	85	72	72	76	76	73	0.5	No
R2389	GF	W	294315.5	1247171.9	Residential	85	74	74	74	74	74	0.0	No
R2389	F 1	W	294315.5	1247171.9	Residential	85	76	76	77	77	76	-0.2	No
R2390	GF	W	294317.4	1247541.1	Residential	85	71	71	73	73	71	-0.1	No
R2392	GF	N	294328.3	1247232.4	Residential	85	69	69	70	70	68	-0.3	No
R2392	F 1	N	294328.3	1247232.4	Residential	85	70	70	73	73	70	-0.6	No
R2392	F 2	N	294328.3	1247232.4	Residential	85	71	71	75	75	70	-0.3	No
R2393	GF	W	294318.4	1247357.8	Residential	85	70	70	72	72	70	-0.1	No
R2393	F 1	W	294318.4	1247357.8	Residential	85	72	72	75	75	72	-0.4	No
R2394	GF	S	294321.2	1247853.3	Residential	85	70	70	80	80	71	1.1	No
R2394	F 1	S	294321.2	1247853.3	Residential	85	71	71	80	80	72	0.6	No
R2394	F 2	S	294321.2	1247853.3	Residential	85	72	72	80	80	73	1.0	No
R2394	F 3	S	294321.2	1247853.3	Residential	85	73	73	80	80	75	1.5	No
R2395	GF	W	294319.4	1247558.5	Residential	85	71	71	73	73	71	0.3	No
R2396	GF	SW	294327.0	1246169.7	Active recreation	n/a	68	68	68	68	68	0.2	No
R2398	GF	W	294321.2	1247202.2	Residential	85	71	71	72	72	71	-0.1	No
R2398	F 1	W	294321.2	1247202.2	Residential	85	75	75	76	76	75	-0.2	No
R2399	GF	N	294333.0	1247428.9	Residential	85	69	69	70	70	69	-0.1	No
R2400	GF	NW	294322.5	1246433.0	Industrial	n/a	70	70	71	71	70	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2402	GF	S	294328.4	1247787.4	Residential	85	70	70	73	73	70	0.4	No
R2402	F 1	S	294328.4	1247787.4	Residential	85	71	71	76	76	72	1.3	No
R2404	GF	W	294325.8	1247599.6	Residential	85	71	71	74	74	71	0.3	No
R2404	F 1	W	294325.8	1247599.6	Residential	85	72	72	77	77	73	1.2	No
R2405	GF	W	294326.2	1247578.4	Residential	85	71	71	74	74	71	0.6	No
R2405	F 1	W	294326.2	1247578.4	Residential	85	72	72	77	77	73	1.1	No
R2406	GF	N	294335.1	1247297.8	Residential	85	69	69	70	70	69	-0.4	No
R2407	GF	W	294327.4	1247273.7	Residential	85	72	72	72	72	72	-0.2	No
R2407	F 1	W	294327.4	1247273.7	Residential	85	75	75	77	77	74	-0.6	No
R2409	GF	W	294329.9	1247618.8	Residential	85	71	71	75	75	71	0.5	No
R2411	GF	W	294332.5	1247638.9	Residential	85	71	71	75	75	72	0.7	No
R2411	F 1	W	294332.5	1247638.9	Residential	85	72	72	78	78	73	1.2	No
R2411	F 2	W	294332.5	1247638.9	Residential	85	73	73	79	79	74	1.4	No
R2412	GF	W	294333.1	1247408.0	Residential	85	72	72	72	72	71	-0.6	No
R2413	GF	W	294334.2	1247309.9	Residential	85	71	71	72	72	71	0.1	No
R2414	GF	W	294334.3	1247778.1	Residential	85	70	70	75	75	71	0.7	No
R2415	GF	NW	294335.6	1246464.9	Industrial	n/a	72	72	73	73	72	0.1	No
R2416	GF	W	294335.0	1247651.4	Residential	85	71	71	76	76	72	1.0	No
R2416	F 1	W	294335.0	1247651.4	Residential	85	72	72	78	78	73	1.3	No
R2416	F 2	W	294335.0	1247651.4	Residential	85	73	73	79	79	74	1.5	No
R2417	GF	N	294345.1	1247902.6	Residential	85	70	70	70	70	70	-0.4	No
R2417	F 1	N	294345.1	1247902.6	Residential	85	73	73	72	72	72	-0.5	No
R2417	F 2	N	294345.1	1247902.6	Residential	85	75	75	75	75	75	-0.5	No
R2418	GF	N	294345.3	1247435.2	Residential	85	68	68	72	72	68	0.1	No
R2418	F 1	N	294345.3	1247435.2	Residential	85	71	71	74	74	71	0.0	No
R2421	GF	W	294339.8	1247690.9	Residential	85	70	70	74	74	71	0.6	No
R2421	F 1	W	294339.8	1247690.9	Residential	85	72	72	77	77	73	0.7	No
R2422	GF	N	294347.9	1247822.6	Residential	85	69	69	77	77	68	-0.1	No
R2423	GF	W	294340.3	1246746.3	Active recreation	n/a	77	77	77	77	77	0.0	No
R2425	GF	W	294341.7	1247676.5	Residential	85	71	71	75	75	72	0.9	No
R2425	F 1	W	294341.7	1247676.5	Residential	85	72	72	77	77	73	1.2	No
R2426	GF	W	294344.9	1247378.0	Residential	85	71	71	71	71	70	-0.6	No
R2427	GF	N	294353.2	1247315.3	Residential	85	69	69	70	70	69	-0.5	No
R2428	GF	W	294351.7	1247468.2	Residential	85	69	69	72	72	69	-0.3	No
R2429	GF	S	294352.8	1247262.7	Residential	85	69	69	71	71	69	-0.1	No
R2429	F 1	S	294352.8	1247262.7	Residential	85	72	72	74	74	72	-0.1	No
R2430	GF	W	294346.3	1247732.8	Residential	85	70	70	73	73	70	0.2	No
R2430	F 1	W	294346.3	1247732.8	Residential	85	71	71	76	76	72	0.6	No
R2432	GF	W	294346.6	1247713.0	Residential	85	70	70	72	72	70	0.3	No
R2436	GF	N	294360.2	1247899.6	Residential	85	69	69	69	69	69	-0.1	No
R2436	F 1	N	294360.2	1247899.6	Residential	85	71	71	71	71	71	-0.3	No
R2437	GF	S	294354.4	1247853.1	Residential	85	68	68	75	75	68	0.7	No
R2437	F 1	S	294354.4	1247853.1	Residential	85	70	70	76	76	70	0.2	No
R2440	GF	S	294359.3	1247803.7	Residential	85	69	69	70	70	69	-0.2	No
R2440	F 1	S	294359.3	1247803.7	Residential	85	71	71	74	74	71	0.6	No
R2442	GF	S	294357.2	1247633.8	Residential	85	68	68	67	67	67	-0.2	No
R2443	GF	S	294361.5	1247540.1	Residential	85	68	68	70	70	68	0.1	No
R2444	GF	N	294361.8	1247430.7	Residential	85	68	68	71	71	68	0.1	No
R2444	F 1	N	294361.8	1247430.7	Residential	85	71	71	74	74	71	-0.3	No
R2447	GF	W	294358.3	1247287.5	Residential	85	69	69	71	71	69	0.2	No
R2448	GF	S	294365.7	1247464.2	Residential	85	68	68	70	70	67	-0.2	No
R2448	F 1	S	294365.7	1247464.2	Residential	85	71	71	73	73	71	-0.3	No
R2449	GF	N	294367.1	1247312.8	Residential	85	68	68	70	70	68	-0.3	No
R2450	GF	W	294360.1	1247386.6	Residential	85	71	71	71	71	70	-0.2	No
R2451	GF	W	294361.1	1247929.6	Residential	85	71	71	70	70	70	-0.5	No
R2451	F 1	W	294361.1	1247929.6	Residential	85	73	73	73	73	72	-0.6	No
R2451	F 2	W	294361.1	1247929.6	Residential	85	75	75	75	75	75	-0.5	No
R2451	F 3	W	294361.1	1247929.6	Residential	85	77	77	77	77	76	-0.4	No
R2452	GF	W	294361.1	1247372.0	Residential	85	70	70	71	71	70	-0.2	No
R2453	GF	S	294370.2	1247599.3	Residential	85	70	70	71	71	69	-0.7	No
R2454	GF	S	294367.5	1247212.4	Residential	85	71	71	71	71	71	0.0	No
R2454	F 1	S	294367.5	1247212.4	Residential	85	72	72	72	72	72	-0.2	No
R2455	GF	N	294366.4	1247700.8	Residential	85	68	68	70	70	68	0.1	No
R2457	GF	W	294363.5	1247342.8	Residential	85	70	70	71	71	70	-0.1	No
R2457	F 1	W	294363.5	1247342.8	Residential	85	73	73	75	75	72	-0.4	No
R2457	F 2	W	294363.5	1247342.8	Residential	85	74	74	77	77	74	-0.5	No
R2458	GF	W	294363.6	1247714.9	Residential	85	69	69	69	69	69	-0.5	No
R2459	GF	NW	294364.0	1246121.7	Active recreation	n/a	68	68	68	68	68	0.0	No
R2460	GF	S	294379.3	1247617.8	Residential	85	70	70	70	70	69	-0.6	No
R2461	GF	S	294368.3	1247849.7	Residential	85	68	68	75	75	68	-0.3	No
R2461	F 1	S	294368.3	1247849.7	Residential	85	69	69	76	76	70	0.4	No
R2461	F 2	S	294368.3	1247849.7	Residential	85	70	70	76	76	71	0.9	No
R2463	GF	S	294370.2	1247769.6	Residential	85	69	69	74	74	69	0.7	No
R2463	F 1	S	294370.2	1247769.6	Residential	85	71	71	76	76	71	0.7	No
R2464	GF	N	294372.2	1247430.6	Residential	85	68	68	71	71	68	0.3	No
R2464	F 1	N	294372.2	1247430.6	Residential	85	68	68	73	73	69	0.7	No
R2465	GF	W	294366.4	1247320.6	Residential	85	70	70	72	72	70	-0.1	No
R2465	F 1	W	294366.4	1247320.6	Residential	85	73	73	75	75	73	-0.3	No
R2468	GF	S	294372.9	1247256.2	Residential	85	70	70	71	71	70	-0.4	No
R2470	GF	N	294376.5	1247290.5	Residential	85	67	67	67	67	67	-0.3	No
R2470	F 1	N	294376.5	1247290.5	Residential	85	68	68	71	71	68	0.3	No
R2471	GF	N	294377.5	1247814.2	Residential	85	66	66	74	74	67	0.5	No
R2471	F 1	N	294377.5	1247814.2	Residential	85	70	70	77	77	70	0.6	No
R2473	GF	W	294371.9	1247187.6	Residential	85	74	74	74	74	74	0.1	No
R2473	F 1	W	294371.9	1247187.6	Residential	85	75	75	74	74	75	0.0	No
R2475	GF	N	294378.0	1247701.0	Residential	85	68	68	69	69	67	-0.7	No
R2476	GF	S	294377.1	1247462.2	Residential	85	68	68	70	70	67	-0.2	No
R2476	F 1	S	294377.1	1247462.2	Residential	85	71	71	73	73	71	-0.2	No
R2477	GF	W	294373.9	1247728.2	Residential	85	68	68	71	71	68	0.2	No
R2477	F 1	W	294373.9	1247728.2	Residential	85	70	70	74	74	70	0.3	No
R2477	F 2	W	294373.9	1247728.2	Residential	85	71	71	77	77	72	1.0	No
R2478	GF	W	294373.9	1247951.7	Residential	85	70	70	70	70	70	0.3	No
R2478	F 1	W	294373.9	1247951.7	Residential	85	72	72	72	72	72	-0.3	No
R2478	F 2	W	294373.9	1247951.7	Residential	85	74	74	74	74	74	-0.2	No
R2478	F 3	W	294373.9	1247951.7	Residential	85	76	76	76	76	76	-0.3	No
R2479	GF	N	294381.2	1247310.1	Residential	85	66	66	67	67	65	-0.8	No
R2482	GF	W	294379.9	1247768.9	Residential	85	69	69	74	74	69	0.1	No
R2482	F 1	W	294379.9	1247768.9	Residential	85	70	70	76	76	71	1.2	No
R2484	GF	W	294378.6	1247569.8	Residential	85	70	70	71	71	69	-0.5	No
R2485	GF	S	294382.4	1247843.4	Residential	85	68	68	74	74	68	-0.2	No
R2485	F 1	S	294382.4	1247843.4	Residential	85	69	69	75	75	69	0.3	No
R2485	F 2	S	294382.4	1247843.4	Residential	85	70	70	76	76	71	1.2	No
R2486	GF	W	294379.4	1247215.6	Residential	85	72	72	72	72	72	0.0	No
R2488	GF	N	294404.3	1247969.8	Residential	85	70	70	71	71	71	0.6	No
R2488	F 1	N	294404.3	1247969.8	Residential	85	71	71	71	71	71	0.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2488	F 2	N	294404.3	1247969.8	Residential	85	71	71	72	72	72	0.5	No
R2488	F 3	N	294404.3	1247969.8	Residential	85	73	73	73	73	73	0.3	No
R2490	GF	W	294382.6	1247355.0	Residential	85	68	68	70	70	68	0.8	No
R2491	GF	N	294391.0	1247812.5	Residential	85	66	66	74	74	66	0.2	No
R2491	F 1	N	294391.0	1247812.5	Residential	85	69	69	76	76	70	0.8	No
R2492	GF	W	294383.5	1247958.5	Residential	85	71	71	71	71	71	0.2	No
R2492	F 1	W	294383.5	1247958.5	Residential	85	72	72	72	72	72	-0.4	No
R2492	F 2	W	294383.5	1247958.5	Residential	85	74	74	74	74	74	-0.2	No
R2492	F 3	W	294383.5	1247958.5	Residential	85	76	76	76	76	76	-0.1	No
R2494	GF	W	294384.1	1247385.0	Residential	85	69	69	70	70	69	-0.1	No
R2494	F 1	W	294384.1	1247385.0	Residential	85	72	72	73	73	71	-0.5	No
R2495	GF	N	294390.9	1247428.8	Residential	85	67	67	71	71	68	0.1	No
R2495	F 1	N	294390.9	1247428.8	Residential	85	70	70	73	73	70	0.0	No
R2496	GF	W	294384.3	1247370.4	Residential	85	69	69	70	70	69	-0.1	No
R2500	GF	S	294395.9	1247461.0	Residential	85	67	67	69	69	67	-0.1	No
R2500	F 1	S	294395.9	1247461.0	Residential	85	69	69	72	72	69	0.4	No
R2505	GF	W	294393.7	1247404.1	Residential	85	69	69	69	69	68	-0.6	No
R2506	GF	S	294397.5	1247842.2	Residential	85	67	67	71	71	66	-0.5	No
R2506	F 1	S	294397.5	1247842.2	Residential	85	68	68	73	73	69	0.7	No
R2506	F 2	S	294397.5	1247842.2	Residential	85	70	70	75	75	70	0.7	No
R2507	GF	S	294401.8	1247758.6	Residential	85	68	68	71	71	68	0.2	No
R2507	F 1	S	294401.8	1247758.6	Residential	85	69	69	74	74	70	0.8	No
R2508	GF	N	294408.3	1247425.9	Residential	85	67	67	70	70	67	0.6	No
R2508	F 1	N	294408.3	1247425.9	Residential	85	68	68	72	72	68	0.5	No
R2509	GF	S	294406.5	1247206.0	Residential	85	74	74	73	73	73	-0.3	No
R2510	GF	NW	294397.5	1245992.2	Active recreation	n/a	66	66	66	66	66	-0.1	No
R2512	GF	S	294404.4	1247175.4	Residential	85	74	74	74	74	74	-0.1	No
R2512	F 1	S	294404.4	1247175.4	Residential	85	75	75	75	75	75	0.0	No
R2513	GF	N	294408.1	1247809.7	Residential	85	65	65	73	73	65	0.6	No
R2513	F 1	N	294408.1	1247809.7	Residential	85	66	66	74	74	66	0.4	No
R2516	GF	S	294411.7	1247718.2	Residential	85	69	69	69	69	68	-0.5	No
R2519	GF	S	294412.7	1247457.2	Residential	85	68	68	70	70	67	-0.5	No
R2521	GF	W	294407.5	1247485.5	Residential	85	69	69	70	70	68	-0.4	No
R2522	GF	S	294412.8	1247839.6	Residential	85	67	67	72	72	67	-0.4	No
R2522	F 1	S	294412.8	1247839.6	Residential	85	68	68	74	74	69	0.8	No
R2522	F 2	S	294412.8	1247839.6	Residential	85	69	69	75	75	70	0.8	No
R2523	GF	W	294409.2	1247544.5	Residential	85	69	69	70	70	69	0.1	No
R2524	GF	W	294410.1	1247519.9	Residential	85	69	69	70	70	69	0.1	No
R2525	GF	N	294421.2	1247977.8	Residential	85	69	69	69	69	69	0.4	No
R2525	F 1	N	294421.2	1247977.8	Residential	85	70	70	70	70	70	0.5	No
R2525	F 2	N	294421.2	1247977.8	Residential	85	70	70	70	70	70	0.6	No
R2525	F 3	N	294421.2	1247977.8	Residential	85	71	71	71	71	71	0.5	No
R2526	GF	W	294412.4	1247254.0	Residential	85	71	71	72	72	71	-0.1	No
R2528	GF	W	294413.0	1247270.4	Residential	85	71	71	71	71	70	-0.3	No
R2529	GF	W	294413.2	1247560.7	Residential	85	69	69	71	71	69	0.0	No
R2529	F 1	W	294413.2	1247560.7	Residential	85	70	70	73	73	70	-0.2	No
R2529	F 2	W	294413.2	1247560.7	Residential	85	72	72	75	75	72	-0.3	No
R2530	GF	W	294413.8	1247691.1	Residential	85	69	69	69	69	69	-0.2	No
R2533	GF	W	294414.8	1247196.9	Residential	85	70	70	69	69	69	-0.3	No
R2535	GF	W	294417.1	1247581.5	Residential	85	69	69	72	72	69	0.1	No
R2536	GF	W	294417.5	1247295.4	Residential	85	70	70	70	70	70	-0.2	No
R2536	F 1	W	294417.5	1247295.4	Residential	85	73	73	74	74	72	-0.1	No
R2538	GF	S	294427.2	1247754.1	Residential	85	68	68	70	70	68	-0.5	No
R2538	F 1	S	294427.2	1247754.1	Residential	85	70	70	72	72	70	-0.1	No
R2540	GF	W	294418.9	1247211.3	Residential	85	67	67	67	67	67	-0.1	No
R2540	F 1	W	294418.9	1247211.3	Residential	85	74	74	74	74	74	-0.1	No
R2541	GF	W	294419.5	1247310.7	Residential	85	69	69	70	70	69	-0.2	No
R2541	F 1	W	294419.5	1247310.7	Residential	85	72	72	73	73	72	-0.1	No
R2542	GF	W	294419.8	1247601.6	Residential	85	69	69	71	71	69	-0.3	No
R2542	F 1	W	294419.8	1247601.6	Residential	85	71	71	73	73	71	-0.5	No
R2543	GF	S	294429.0	1247176.1	Residential	85	74	74	74	74	74	-0.1	No
R2543	F 1	S	294429.0	1247176.1	Residential	85	74	74	74	74	74	0.0	No
R2544	GF	W	294420.6	1247333.1	Residential	85	69	69	69	69	68	-0.4	No
R2544	F 1	W	294420.6	1247333.1	Residential	85	71	71	72	72	71	-0.3	No
R2545	GF	W	294421.7	1247662.5	Residential	85	70	70	70	70	69	-0.3	No
R2548	GF	S	294431.0	1247836.1	Residential	85	66	66	72	72	66	-0.2	No
R2549	GF	NW	294430.6	1245985.8	Active recreation	n/a	64	64	64	64	64	0.2	No
R2550	GF	W	294426.6	1247646.0	Residential	85	69	69	70	70	69	0.0	No
R2551	GF	N	294436.2	1247984.6	Residential	85	69	69	69	69	69	0.3	No
R2551	F 1	N	294436.2	1247984.6	Residential	85	70	70	70	70	70	0.8	No
R2551	F 2	N	294436.2	1247984.6	Residential	85	70	70	71	71	71	0.7	No
R2552	GF	S	294431.0	1247716.8	Residential	85	67	67	68	68	67	-0.2	No
R2553	GF	W	294431.6	1247373.7	Residential	85	67	67	68	68	67	-0.4	No
R2555	GF	W	294427.3	1247702.8	Residential	85	68	68	69	69	68	-0.2	No
R2556	GF	NW	294460.7	1246518.5	Industrial	n/a	70	70	70	70	70	-0.1	No
R2556	F 1	NW	294460.7	1246518.5	Industrial	n/a	72	72	72	72	72	-0.1	No
R2557	GF	W	294427.9	1247617.1	Residential	85	69	69	70	70	69	-0.1	No
R2561	GF	W	294432.7	1247679.2	Residential	85	69	69	70	70	69	0.2	No
R2562	GF	N	294444.6	1247214.0	Residential	85	64	64	65	65	64	-0.6	No
R2562	F 1	N	294444.6	1247214.0	Residential	85	68	68	69	69	68	0.0	No
R2563	GF	S	294439.8	1247249.3	Residential	85	72	72	72	72	72	-0.1	No
R2563	F 1	S	294439.8	1247249.3	Residential	85	73	73	73	73	72	-0.1	No
R2564	GF	N	294443.7	1247338.0	Residential	85	65	65	67	67	66	0.5	No
R2564	F 1	N	294443.7	1247338.0	Residential	85	66	66	70	70	67	0.4	No
R2565	GF	W	294435.2	1247400.3	Residential	85	67	67	69	69	67	-0.1	No
R2566	GF	N	294458.9	1247871.9	Residential	85	64	64	63	63	63	-0.8	No
R2566	F 1	N	294458.9	1247871.9	Residential	85	64	64	64	64	64	-0.7	No
R2566	F 2	N	294458.9	1247871.9	Residential	85	65	65	64	64	64	-0.5	No
R2566	F 3	N	294458.9	1247871.9	Residential	85	67	67	66	66	67	-0.3	No
R2567	GF	W	294437.3	1247916.8	Residential	85	64	64	64	64	64	-0.3	No
R2567	F 1	W	294437.3	1247916.8	Residential	85	67	67	65	65	66	-1.4	No
R2568	GF	W	294438.0	1247416.1	Residential	85	67	67	70	70	68	0.1	No
R2570	GF	S	294444.4	1247944.2	Residential	85	62	62	62	62	62	0.1	No
R2570	F 1	S	294444.4	1247944.2	Residential	85	66	66	64	64	65	-1.4	No
R2571	GF	S	294446.8	1247713.7	Residential	85	67	67	68	68	67	-0.2	No
R2571	F 1	S	294446.8	1247713.7	Residential	85	70	70	72	72	70	-0.1	No
R2572	GF	W	294439.9	1247729.3	Residential	85	68	68	69	69	67	-0.6	No
R2572	F 1	W	294439.9	1247729.3	Residential	85	70	70	72	72	70	0.0	No
R2573	GF	S	294448.5	1247367.8	Residential	85	65	65	66	66	65	-0.2	No
R2575	GF	S	294453.6	1247752.3	Residential	85	66	66	68	68	66	-0.1	No
R2575	F 1	S	294453.6	1247752.3	Residential	85	68	68	70	70	68	0.5	No
R2575	F 2	S	294453.6	1247752.3	Residential	85	70	70	72	72	69	-0.5	No
R2575	F 3	S	294453.6	1247752.3	Residential	85	70	70	74	74	70	-0.1	No
R2576	GF	NE	294450.4	1245972.3	Active recreation	n/a	64	64	65	65	64	-0.2	No
R2578	GF	N	294460.0	1247800.2	Residential	85	64	64	71	71	64	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2578	F 1	N	294460.0	1247800.2	Residential	85	64	64	72	72	65	0.4	No
R2578	F 2	N	294460.0	1247800.2	Residential	85	65	65	72	72	65	0.4	No
R2578	F 3	N	294460.0	1247800.2	Residential	85	65	65	72	72	66	0.4	No
R2579	GF	W	294444.4	1247850.2	Residential	85	67	67	65	65	66	-0.9	No
R2580	GF	W	294445.5	1247456.7	Residential	85	67	67	70	70	68	0.2	No
R2581	GF	N	294454.2	1247989.3	Residential	85	68	68	68	68	68	0.2	No
R2581	F 1	N	294454.2	1247989.3	Residential	85	69	69	70	70	70	0.4	No
R2583	GF	W	294447.9	1247478.1	Residential	85	68	68	70	70	68	0.1	No
R2584	GF	N	294451.2	1245997.1	Active recreation	n/a	66	66	66	66	66	-0.1	No
R2586	GF	S	294459.7	1247168.3	Residential	85	74	74	74	74	74	0.0	No
R2586	F 1	S	294459.7	1247168.3	Residential	85	74	74	74	74	74	0.0	No
R2587	GF	N	294459.3	1247332.5	Residential	85	65	65	66	66	65	0.3	No
R2587	F 1	N	294459.3	1247332.5	Residential	85	66	66	69	69	66	0.6	No
R2589	GF	S	294457.3	1247244.3	Residential	85	69	69	69	69	69	-0.2	No
R2590	GF	E	294474.4	1247846.7	Residential	85	62	62	62	62	62	-0.4	No
R2592	GF	W	294452.9	1247497.1	Residential	85	68	68	70	70	68	0.4	No
R2592	F 1	W	294452.9	1247497.1	Residential	85	69	69	72	72	69	0.0	No
R2594	GF	W	294453.1	1247928.8	Residential	85	64	64	64	64	64	-0.4	No
R2594	F 1	W	294453.1	1247928.8	Residential	85	67	67	65	65	66	-1.4	No
R2594	F 2	W	294453.1	1247928.8	Residential	85	67	67	67	67	67	-0.2	No
R2595	GF	S	294463.5	1247828.5	Residential	85	66	66	71	71	65	-1.0	No
R2599	GF	W	294456.3	1247199.9	Residential	85	67	67	67	67	67	0.0	No
R2599	F 1	W	294456.3	1247199.9	Residential	85	71	71	71	71	71	0.0	No
R2601	GF	W	294457.3	1247958.2	Residential	85	64	64	64	64	64	-0.2	No
R2601	F 1	W	294457.3	1247958.2	Residential	85	67	67	66	66	66	-1.1	No
R2603	GF	N	294466.9	1247379.2	Residential	85	65	65	66	66	65	0.7	No
R2603	F 1	N	294466.9	1247379.2	Residential	85	66	66	70	70	67	1.0	No
R2607	GF	W	294459.4	1247514.4	Residential	85	68	68	70	70	68	0.2	No
R2607	F 1	W	294459.4	1247514.4	Residential	85	69	69	73	73	69	0.1	No
R2607	F 2	W	294459.4	1247514.4	Residential	85	71	71	74	74	71	-0.2	No
R2609	GF	W	294461.0	1247553.9	Residential	85	68	68	69	69	67	-0.5	No
R2609	F 1	W	294461.0	1247553.9	Residential	85	70	70	71	71	69	-0.5	No
R2609	F 2	W	294461.0	1247553.9	Residential	85	71	71	74	74	71	-0.5	No
R2611	GF	N	294470.2	1247413.5	Residential	85	65	65	67	67	65	0.4	No
R2612	GF	W	294462.6	1247941.9	Residential	85	64	64	63	63	63	-0.9	No
R2612	F 1	W	294462.6	1247941.9	Residential	85	66	66	65	65	65	-0.9	No
R2613	GF	N	294466.5	1247991.3	Residential	85	66	66	66	66	66	-0.2	No
R2613	F 1	N	294466.5	1247991.3	Residential	85	68	68	68	68	68	-0.3	No
R2614	GF	S	294473.9	1247241.6	Residential	85	68	68	68	68	67	-0.2	No
R2615	GF	W	294464.9	1247575.7	Residential	85	68	68	70	70	68	-0.4	No
R2615	F 1	W	294464.9	1247575.7	Residential	85	71	71	73	73	71	-0.2	No
R2616	GF	W	294465.0	1247880.1	Residential	85	65	65	64	64	64	-0.8	No
R2618	GF	S	294474.4	1247314.7	Residential	85	67	67	67	67	67	-0.2	No
R2618	F 1	S	294474.4	1247314.7	Residential	85	71	71	71	71	71	-0.1	No
R2619	GF	W	294465.7	1247894.8	Residential	85	65	65	64	64	64	-0.9	No
R2622	GF	N	294471.1	1247457.7	Residential	85	66	66	68	68	67	0.5	No
R2624	GF	W	294467.4	1247532.2	Residential	85	67	67	69	69	67	0.0	No
R2625	GF	S	294476.6	1247276.0	Residential	85	67	67	68	68	67	-0.1	No
R2625	F 1	S	294476.6	1247276.0	Residential	85	71	71	72	72	71	-0.2	No
R2628	GF	W	294474.6	1247608.9	Residential	85	69	69	70	70	69	-0.2	No
R2628	F 1	W	294474.6	1247608.9	Residential	85	71	71	72	72	70	-0.3	No
R2629	GF	W	294472.2	1247594.3	Residential	85	68	68	69	69	68	-0.2	No
R2629	F 1	W	294472.2	1247594.3	Residential	85	70	70	72	72	70	-0.4	No
R2631	GF	W	294473.5	1247629.5	Residential	85	68	68	69	69	68	0.2	No
R2631	F 1	W	294473.5	1247629.5	Residential	85	69	69	72	72	70	0.2	No
R2632	GF	N	294482.0	1247992.9	Residential	85	67	67	67	67	67	-0.3	No
R2632	F 1	N	294482.0	1247992.9	Residential	85	68	68	68	68	68	0.1	No
R2633	GF	N	294482.9	1247378.6	Residential	85	65	65	67	67	65	0.1	No
R2635	GF	W	294474.2	1247457.1	Residential	85	66	66	68	68	66	0.5	No
R2637	GF	N	294483.9	1247411.4	Residential	85	65	65	68	68	65	0.1	No
R2638	GF	NW	294486.6	1246034.9	Active recreation	n/a	67	67	66	66	66	-0.2	No
R2640	GF	S	294477.1	1247439.0	Residential	85	67	67	69	69	67	-0.2	No
R2642	GF	W	294478.9	1247657.5	Residential	85	67	67	68	68	68	0.3	No
R2643	GF	W	294479.7	1247469.5	Residential	85	67	67	68	68	67	0.3	No
R2643	F 1	W	294479.7	1247469.5	Residential	85	68	68	71	71	68	0.0	No
R2644	GF	S	294485.8	1247240.6	Residential	85	67	67	67	67	67	-0.3	No
R2646	GF	W	294482.7	1247673.9	Residential	85	67	67	69	69	68	0.3	No
R2649	GF	W	294482.9	1247643.6	Residential	85	67	67	69	69	67	0.5	No
R2649	F 1	W	294482.9	1247643.6	Residential	85	68	68	71	71	69	1.0	No
R2650	GF	N	294484.6	1247959.3	Residential	85	63	63	63	63	63	-0.4	No
R2650	F 1	N	294484.6	1247959.3	Residential	85	66	66	65	65	65	-0.7	No
R2650	GF	N	294484.6	1247959.3	Residential	85	63	63	63	63	63	-0.4	No
R2650	F 1	N	294484.6	1247959.3	Residential	85	66	66	65	65	65	-0.7	No
R2652	GF	S	294486.8	1247692.8	Residential	85	68	68	70	70	68	0.4	No
R2653	GF	NE	294489.8	1245961.0	Active recreation	n/a	65	65	65	65	65	-0.1	No
R2654	GF	W	294486.3	1247992.9	Residential	85	66	66	66	66	66	-0.3	No
R2654	F 1	W	294486.3	1247992.9	Residential	85	68	68	67	67	67	-0.1	No
R2656	GF	W	294488.0	1247715.7	Residential	85	67	67	68	68	67	0.0	No
R2659	GF	NW	294489.9	1245992.3	Active recreation	n/a	63	63	63	63	63	0.0	No
R2660	GF	S	294494.6	1247962.1	Residential	85	63	63	63	63	63	-0.4	No
R2660	F 1	S	294494.6	1247962.1	Residential	85	65	65	64	64	65	-0.7	No
R2662	GF	N	294499.9	1247408.4	Residential	85	65	65	67	67	65	0.0	No
R2663	GF	NW	294493.1	1247340.0	Residential	85	65	65	66	66	65	-0.1	No
R2665	GF	NW	294492.8	1246422.5	Active recreation	n/a	66	66	66	66	66	-0.2	No
R2667	GF	SW	294495.7	1247747.1	Residential	85	67	67	68	68	67	-0.1	No
R2667	F 1	SW	294495.7	1247747.1	Residential	85	69	69	71	71	69	-0.2	No
R2670	GF	S	294504.4	1247191.6	Residential	85	70	70	70	70	70	0.0	No
R2670	F 1	S	294504.4	1247191.6	Residential	85	71	71	71	71	71	0.0	No
R2671	GF	W	294496.7	1247354.2	Residential	85	66	66	66	66	65	-0.1	No
R2671	F 1	W	294496.7	1247354.2	Residential	85	68	68	70	70	68	0.0	No
R2672	GF	S	294505.2	1247441.1	Residential	85	65	65	67	67	65	0.0	No
R2672	F 1	S	294505.2	1247441.1	Residential	85	68	68	71	71	68	0.0	No
R2673	GF	NW	294498.1	1245969.1	Active recreation	n/a	64	64	64	64	64	-0.2	No
R2675	GF	S	294502.8	1247773.6	Residential	85	66	66	66	66	66	0.3	No
R2676	GF	E	294504.3	1245977.7	Active recreation	n/a	59	59	59	59	59	-0.1	No
R2678	GF	W	294500.1	1247240.6	Residential	85	67	67	66	66	66	-0.4	No
R2678	F 1	W	294500.1	1247240.6	Residential	85	71	71	72	72	71	-0.1	No
R2681	GF	S	294508.7	1247702.9	Residential	85	65	65	66	66	65	0.0	No
R2681	F 1	S	294508.7	1247702.9	Residential	85	69	69	71	71	68	-0.5	No
R2682	GF	W	294501.4	1247792.7	Residential	85	65	65	71	71	65	0.0	No
R2682	F 1	W	294501.4	1247792.7	Residential	85	68	68	72	72	68	-0.5	No
R2685	GF	W	294503.6	1247808.9	Residential	85	65	65	71	71	65	0.0	No
R2685	F 1	W	294503.6	1247808.9	Residential	85	68	68	72	72	67	-0.4	No
R2686	GF	W	294504.7	1247272.8	Residential	85	66	66	66	66	66	-0.2	No
R2686	F 1	W	294504.7	1247272.8	Residential	85	71	71	71	71	71	-0.1	No
R2687	GF	W	294504.7	1247822.9	Residential	85	64	64	70	70	64	-0.1	No
R2687	F 1	W	294504.7	1247822.9	Residential	85	67	67	71	71	66	-0.4	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2687	F 2	W	294504.7	1247822.9	Residential	85	68	68	71	71	67	-0.5	No
R2689	GF	W	294506.1	1247838.1	Residential	85	64	64	66	66	64	-0.2	No
R2689	F 1	W	294506.1	1247838.1	Residential	85	65	65	68	68	65	0.0	No
R2689	F 2	W	294506.1	1247838.1	Residential	85	66	66	70	70	66	0.0	No
R2691	GF	W	294506.8	1247256.0	Residential	85	66	66	65	65	66	-0.3	No
R2691	F 1	W	294506.8	1247256.0	Residential	85	71	71	71	71	70	-0.1	No
R2693	GF	SW	294522.2	1245945.7	Active recreation	n/a	62	62	62	62	62	-0.1	No
R2694	GF	W	294508.3	1246579.1	Industrial	n/a	73	73	73	73	73	0.0	No
R2696	GF	S	294514.4	1247877.3	Educational institute	n/a	64	64	64	64	64	-0.5	No
R2697	GF	W	294510.8	1247634.0	Residential	85	66	66	65	65	66	-0.5	No
R2698	GF	W	294510.9	1247852.5	Residential	85	65	65	64	64	64	-0.6	No
R2698	F 1	W	294510.9	1247852.5	Residential	85	66	66	66	66	65	-0.6	No
R2698	F 2	W	294510.9	1247852.5	Residential	85	66	66	68	68	66	-0.2	No
R2699	GF	N	294514.1	1247404.6	Residential	85	65	65	67	67	65	0.0	No
R2699	F 1	N	294514.1	1247404.6	Residential	85	66	66	70	70	67	0.5	No
R2700	GF	S	294515.5	1247522.4	Residential	85	67	67	67	67	66	-0.6	No
R2701	GF	W	294512.5	1247303.0	Residential	85	66	66	66	66	66	-0.3	No
R2701	F 1	W	294512.5	1247303.0	Residential	85	70	70	70	70	70	-0.1	No
R2702	GF	NW	294515.3	1246441.6	Active recreation	n/a	65	65	65	65	65	-0.2	No
R2703	GF	W	294513.3	1247286.9	Residential	85	65	65	64	64	65	-0.4	No
R2703	F 1	W	294513.3	1247286.9	Residential	85	69	69	69	69	69	-0.1	No
R2704	GF	W	294514.5	1247319.0	Residential	85	66	66	65	65	65	-0.4	No
R2704	F 1	W	294514.5	1247319.0	Residential	85	70	70	70	70	70	-0.1	No
R2706	GF	W	294514.8	1247912.4	Educational institute	n/a	64	64	63	63	63	-0.8	No
R2706	F 1	W	294514.8	1247912.4	Educational institute	n/a	65	65	64	64	64	-0.5	No
R2706	F 2	W	294514.8	1247912.4	Educational institute	n/a	66	66	66	66	66	-0.3	No
R2708	GF	W	294515.3	1247335.2	Residential	85	65	65	65	65	65	-0.5	No
R2708	F 1	W	294515.3	1247335.2	Residential	85	70	70	71	71	70	0.0	No
R2709	GF	NW	294522.6	1246069.5	Active recreation	n/a	67	67	67	67	67	-0.1	No
R2709	F 1	NW	294522.6	1246069.5	Active recreation	n/a	68	68	68	68	68	-0.1	No
R2711	GF	W	294519.1	1247350.8	Residential	85	65	65	65	65	65	-0.5	No
R2711	F 1	W	294519.1	1247350.8	Residential	85	69	69	71	71	69	0.0	No
R2715	GF	S	294524.2	1247437.7	Residential	85	66	66	68	68	66	-0.1	No
R2716	GF	W	294521.5	1247365.9	Residential	85	66	66	67	67	66	-0.2	No
R2716	F 1	W	294521.5	1247365.9	Residential	85	69	69	71	71	68	-0.1	No
R2717	GF	S	294533.0	1247696.4	Residential	85	65	65	67	67	66	0.4	No
R2717	F 1	S	294533.0	1247696.4	Residential	85	68	68	70	70	68	0.0	No
R2718	GF	S	294525.4	1247108.9	Commercial	n/a	75	75	75	75	75	0.0	No
R2718	F 1	S	294525.4	1247108.9	Commercial	n/a	75	75	75	75	75	-0.1	No
R2719	GF	S	294527.9	1247742.6	Residential	85	65	65	66	66	65	-0.1	No
R2719	F 1	S	294527.9	1247742.6	Residential	85	68	68	70	70	68	0.0	No
R2719	F 2	S	294527.9	1247742.6	Residential	85	70	70	72	72	70	-0.3	No
R2720	GF	S	294526.7	1247645.2	Residential	85	66	66	66	66	66	0.0	No
R2723	GF	N	294537.1	1247405.1	Residential	85	64	64	68	68	64	0.8	No
R2723	F 1	N	294537.1	1247405.1	Residential	85	64	64	69	69	66	1.2	No
R2724	GF	W	294527.3	1247901.5	Educational institute	n/a	64	64	64	64	64	0.0	No
R2725	GF	W	294527.4	1247381.5	Residential	85	66	66	67	67	65	-0.3	No
R2725	F 1	W	294527.4	1247381.5	Residential	85	68	68	70	70	68	-0.2	No
R2726	GF	S	294530.6	1247435.2	Residential	85	66	66	68	68	66	-0.3	No
R2728	GF	W	294528.9	1247464.3	Residential	85	65	65	66	66	66	0.1	No
R2731	GF	S	294536.7	1247546.1	Residential	85	67	67	67	67	67	-0.3	No
R2734	GF	W	294535.3	1247481.3	Residential	85	66	66	66	66	66	-0.1	No
R2734	F 1	W	294535.3	1247481.3	Residential	85	67	67	69	69	67	-0.1	No
R2734	F 2	W	294535.3	1247481.3	Residential	85	69	69	72	72	69	-0.2	No
R2735	GF	W	294536.9	1247495.1	Residential	85	65	65	65	65	65	-0.5	No
R2736	GF	S	294542.6	1247570.5	Residential	85	66	66	66	66	66	-0.1	No
R2738	GF	S	294543.4	1247740.7	Residential	85	65	65	65	65	65	0.2	No
R2738	F 1	S	294543.4	1247740.7	Residential	85	66	66	69	69	67	0.7	No
R2740	GF	W	294538.9	1246999.1	Commercial	n/a	74	74	74	74	73	-0.1	No
R2740	F 1	W	294538.9	1246999.1	Commercial	n/a	74	74	74	74	74	-0.1	No
R2741	GF	NW	294551.6	1245974.1	Active recreation	n/a	64	64	64	64	64	-0.1	No
R2742	GF	S	294544.9	1247432.8	Residential	85	64	64	67	67	64	-0.1	No
R2743	GF	W	294540.4	1247669.3	Residential	85	66	66	67	67	66	0.3	No
R2744	GF	W	294541.5	1247506.7	Residential	85	66	66	66	66	65	-0.5	No
R2745	GF	W	294541.7	1247539.2	Residential	85	67	67	67	67	67	-0.1	No
R2745	F 1	W	294541.7	1247539.2	Residential	85	69	69	70	70	68	-0.2	No
R2747	GF	W	294543.9	1247522.8	Residential	85	66	66	66	66	66	0.0	No
R2747	F 1	W	294543.9	1247522.8	Residential	85	67	67	69	69	67	-0.1	No
R2747	F 2	W	294543.9	1247522.8	Residential	85	70	70	72	72	69	-0.3	No
R2749	GF	S	294550.2	1247705.1	Residential	85	64	64	64	64	64	-0.3	No
R2751	GF	W	294546.1	1247992.8	Educational institute	n/a	65	65	64	64	64	-1.0	No
R2751	F 1	W	294546.1	1247992.8	Educational institute	n/a	67	67	65	65	66	-1.1	No
R2752	GF	S	294552.2	1247228.5	Residential	85	67	67	67	67	67	0.0	No
R2752	F 1	S	294552.2	1247228.5	Residential	85	69	69	69	69	69	-0.1	No
R2754	GF	W	294548.8	1247575.9	Residential	85	66	66	66	66	66	0.3	No
R2754	F 1	W	294548.8	1247575.9	Residential	85	68	68	69	69	68	-0.1	No
R2755	GF	NW	294548.8	1246448.3	Active recreation	n/a	69	69	69	69	69	-0.2	No
R2758	GF	W	294552.7	1247565.4	Residential	85	67	67	67	67	67	-0.2	No
R2759	GF	W	294552.8	1245998.1	Active recreation	n/a	65	65	65	65	65	-0.2	No
R2760	GF	S	294560.6	1247739.2	Residential	85	64	64	65	65	64	0.3	No
R2760	F 1	S	294560.6	1247739.2	Residential	85	66	66	68	68	67	0.9	No
R2762	GF	S	294595.2	1247082.2	Commercial	n/a	72	72	72	72	72	-0.2	No
R2766	GF	W	294555.6	1247768.5	Residential	85	65	65	64	64	64	-0.9	No
R2767	GF	W	294555.6	1247267.2	Residential	85	66	66	65	65	66	-0.3	No
R2767	F 1	W	294555.6	1247267.2	Residential	85	69	69	69	69	69	0.0	No
R2768	GF	NW	294556.2	1246486.5	Active recreation	n/a	70	70	70	70	70	-0.1	No
R2771	GF	W	294558.2	1247285.2	Residential	85	65	65	64	64	64	-0.1	No
R2771	F 1	W	294558.2	1247285.2	Residential	85	68	68	68	68	68	0.0	No
R2772	GF	W	294559.5	1247612.9	Residential	85	66	66	67	67	66	0.1	No
R2772	F 1	W	294559.5	1247612.9	Residential	85	68	68	70	70	68	-0.2	No
R2773	GF	S	294566.1	1247226.4	Residential	85	69	69	69	69	69	0.0	No
R2774	GF	W	294560.1	1247554.3	Residential	85	66	66	66	66	66	0.0	No
R2776	GF	W	294561.4	1247301.7	Residential	85	64	64	63	63	64	-0.2	No
R2778	GF	W	294564.0	1247859.1	Residential	85	64	64	63	63	63	-1.0	No
R2779	GF	W	294564.7	1247600.5	Residential	85	66	66	67	67	66	0.2	No
R2782	GF	W	294567.3	1247635.0	Residential	85	66	66	67	67	66	0.1	No
R2782	F 1	W	294567.3	1247635.0	Residential	85	69	69	70	70	68	-0.4	No
R2785	GF	W	294569.0	1247321.7	Residential	85	65	65	64	64	65	-0.3	No
R2786	GF	W	294569.1	1247677.7	Residential	85	66	66	67	67	66	0.1	No
R2786	F 1	W	294569.1	1247677.7	Residential	85	68	68	70	70	68	-0.3	No
R2787	GF	W	294569.7	1247338.2	Residential	85	65	65	64	64	64	-0.3	No
R2788	GF	W	294570.4	1247657.8	Residential	85	66	66	68	68	66	0.1	No
R2788	F 1	W	294570.4	1247657.8	Residential	85	68	68	70	70	68	-0.1	No
R2788	F 2	W	294570.4	1247657.8	Residential	85	70	70	72	72	70	-0.1	No
R2790	GF	W	294571.2	1247356.2	Residential	85	65	65	64	64	64	-0.4	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2791	GF	W	294571.6	1247905.5	Educational institute	n/a	64	64	63	63	63	-0.7	No
R2791	F 1	W	294571.6	1247905.5	Educational institute	n/a	65	65	64	64	64	-0.6	No
R2794	GF	W	294575.6	1247384.8	Residential	85	65	65	66	66	65	0.1	No
R2795	GF	S	294576.0	1247739.8	Residential	85	65	65	65	65	65	-0.4	No
R2795	F 1	S	294576.0	1247739.8	Residential	85	68	68	69	69	68	-0.3	No
R2796	GF	S	294580.5	1247225.2	Residential	85	70	70	70	70	70	0.0	No
R2796	F 1	S	294580.5	1247225.2	Residential	85	71	71	71	71	70	-0.1	No
R2798	GF	W	294578.4	1247693.2	Residential	85	65	65	66	66	65	0.4	No
R2798	F 1	W	294578.4	1247693.2	Residential	85	66	66	69	69	67	0.9	No
R2800	GF	W	294578.9	1247894.2	Educational institute	n/a	63	63	62	62	62	-0.4	No
R2800	F 1	W	294578.9	1247894.2	Educational institute	n/a	65	65	64	64	64	-1.1	No
R2803	GF	W	294582.2	1247707.0	Residential	85	66	66	67	67	66	-0.1	No
R2804	GF	W	294582.7	1247433.4	Residential	85	65	65	67	67	65	0.3	No
R2804	F 1	W	294582.7	1247433.4	Residential	85	67	67	70	70	67	-0.2	No
R2806	GF	W	294586.4	1247734.8	Residential	85	66	66	67	67	66	0.0	No
R2806	F 1	W	294586.4	1247734.8	Residential	85	69	69	70	70	68	-0.4	No
R2807	GF	W	294587.2	1247837.5	Residential	85	63	63	63	63	63	-0.2	No
R2807	F 1	W	294587.2	1247837.5	Residential	85	64	64	65	65	64	-0.1	No
R2809	GF	N	294598.6	1247392.3	Residential	85	63	63	66	66	63	0.5	No
R2810	GF	W	294588.4	1247960.9	Educational institute	n/a	64	64	63	63	63	-0.7	No
R2810	F 1	W	294588.4	1247960.9	Educational institute	n/a	65	65	64	64	64	-0.9	No
R2811	GF	W	294588.8	1247470.5	Residential	85	65	65	66	66	65	-0.4	No
R2812	GF	W	294589.1	1247449.7	Residential	85	65	65	67	67	65	-0.2	No
R2812	F 1	W	294589.1	1247449.7	Residential	85	68	68	70	70	68	-0.4	No
R2812	F 2	W	294589.1	1247449.7	Residential	85	70	70	72	72	70	-0.4	No
R2813	GF	W	294603.5	1245982.0	Active recreation	n/a	65	65	65	65	65	0.0	No
R2813	F 1	W	294603.5	1245982.0	Active recreation	n/a	66	66	66	66	66	-0.1	No
R2813	F 2	W	294603.5	1245982.0	Active recreation	n/a	67	67	67	67	67	-0.1	No
R2813	F 3	W	294603.5	1245982.0	Active recreation	n/a	68	68	68	68	68	0.0	No
R2813	F 4	W	294603.5	1245982.0	Active recreation	n/a	68	68	68	68	68	-0.1	No
R2814	GF	W	294590.1	1247916.1	Educational institute	n/a	62	62	61	61	61	-0.3	No
R2814	F 1	W	294590.1	1247916.1	Educational institute	n/a	63	63	63	63	63	-0.3	No
R2818	GF	S	294598.9	1247220.8	Residential	85	70	70	70	70	70	0.0	No
R2818	F 1	S	294598.9	1247220.8	Residential	85	70	70	71	71	71	0.1	No
R2822	GF	W	294592.8	1247902.2	Educational institute	n/a	60	60	60	60	60	0.0	No
R2822	F 1	W	294592.8	1247902.2	Educational institute	n/a	65	65	63	63	64	-1.2	No
R2823	GF	W	294593.1	1247492.3	Residential	85	65	65	66	66	65	-0.3	No
R2823	F 1	W	294593.1	1247492.3	Residential	85	67	67	68	68	67	0.0	No
R2824	GF	W	294593.2	1247936.9	Educational institute	n/a	64	64	63	63	63	-0.7	No
R2824	F 1	W	294593.2	1247936.9	Educational institute	n/a	65	65	64	64	64	-0.9	No
R2825	GF	W	294593.6	1247861.8	Residential	85	63	63	62	62	63	-0.3	No
R2825	F 1	W	294593.6	1247861.8	Residential	85	64	64	64	64	64	-0.6	No
R2827	GF	S	294624.0	1247291.5	Residential	85	69	69	69	69	69	-0.1	No
R2829	GF	W	294597.4	1247512.9	Residential	85	64	64	64	64	64	-0.5	No
R2829	F 1	W	294597.4	1247512.9	Residential	85	66	66	67	67	66	-0.1	No
R2830	GF	W	294597.7	1247815.7	Residential	85	64	64	63	63	63	-0.5	No
R2830	F 1	W	294597.7	1247815.7	Residential	85	64	64	65	65	65	0.3	No
R2830	F 2	W	294597.7	1247815.7	Residential	85	69	69	70	70	68	-0.3	No
R2831	GF	W	294598.1	1247983.3	Educational institute	n/a	64	64	63	63	63	-1.0	No
R2831	F 1	W	294598.1	1247983.3	Educational institute	n/a	65	65	64	64	64	-0.8	No
R2832	GF	W	294598.6	1247884.4	Educational institute	n/a	63	63	62	62	62	-0.4	No
R2832	F 1	W	294598.6	1247884.4	Educational institute	n/a	65	65	64	64	64	-1.0	No
R2835	GF	W	294599.4	1247530.1	Residential	85	64	64	65	65	64	0.2	No
R2837	GF	W	294599.8	1247752.6	Residential	85	64	64	63	63	63	-1.2	No
R2837	F 1	W	294599.8	1247752.6	Residential	85	65	65	66	66	65	0.1	No
R2841	GF	SW	294608.7	1247328.9	Residential	85	66	66	65	65	65	-0.2	No
R2842	GF	W	294602.8	1247775.6	Residential	85	64	64	63	63	63	-1.0	No
R2842	F 1	W	294602.8	1247775.6	Residential	85	65	65	66	66	65	0.2	No
R2843	GF	W	294603.9	1247795.7	Residential	85	64	64	65	65	63	-0.8	No
R2843	F 1	W	294603.9	1247795.7	Residential	85	65	65	67	67	65	0.5	No
R2844	GF	S	294613.8	1247419.5	Residential	85	65	65	66	66	65	-0.4	No
R2845	GF	W	294605.9	1247367.6	Residential	85	66	66	66	66	66	0.1	No
R2848	GF	W	294606.5	1247547.0	Residential	85	64	64	65	65	65	0.2	No
R2848	F 1	W	294606.5	1247547.0	Residential	85	66	66	68	68	66	0.1	No
R2850	GF	S	294614.6	1247218.0	Residential	85	70	70	70	70	70	0.0	No
R2851	GF	N	294616.9	1247389.7	Residential	85	62	62	65	65	63	0.8	No
R2851	F 1	N	294616.9	1247389.7	Residential	85	65	65	68	68	65	0.0	No
R2854	GF	W	294610.7	1247263.8	Residential	85	65	65	65	65	65	-0.1	No
R2855	GF	W	294611.6	1247591.5	Residential	85	65	65	66	66	65	0.1	No
R2855	F 1	W	294611.6	1247591.5	Residential	85	67	67	69	69	67	-0.2	No
R2855	F 2	W	294611.6	1247591.5	Residential	85	69	69	71	71	69	-0.2	No
R2857	GF	W	294613.0	1247613.5	Residential	85	65	65	66	66	65	0.0	No
R2857	F 1	W	294613.0	1247613.5	Residential	85	68	68	69	69	68	-0.2	No
R2862	GF	W	294622.7	1247894.8	Educational institute	n/a	63	63	62	62	62	-0.9	No
R2862	F 1	W	294622.7	1247894.8	Educational institute	n/a	65	65	63	63	64	-0.9	No
R2863	GF	W	294621.5	1247649.6	Residential	85	67	67	68	68	67	-0.1	No
R2863	F 1	W	294621.5	1247649.6	Residential	85	69	69	70	70	69	-0.2	No
R2865	GF	S	294630.3	1247215.8	Residential	85	69	69	69	69	69	-0.1	No
R2865	F 1	S	294630.3	1247215.8	Residential	85	70	70	70	70	70	-0.1	No
R2867	GF	W	294625.1	1247449.3	Residential	85	63	63	63	63	63	-0.1	No
R2868	GF	W	294626.3	1247692.5	Residential	85	65	65	66	66	65	0.1	No
R2868	F 1	W	294626.3	1247692.5	Residential	85	68	68	70	70	68	0.0	No
R2870	GF	NW	294628.6	1246569.3	Active recreation	n/a	71	71	71	71	71	-0.2	No
R2871	GF	S	294635.4	1247372.5	Residential	85	64	64	64	64	64	-0.3	No
R2873	GF	W	294629.8	1247669.5	Residential	85	67	67	68	68	67	0.2	No
R2873	F 1	W	294629.8	1247669.5	Residential	85	70	70	70	70	69	-0.3	No
R2873	F 2	W	294629.8	1247669.5	Residential	85	69	69	71	71	69	-0.3	No
R2878	GF	S	294641.1	1247415.3	Residential	85	64	64	64	64	63	-0.4	No
R2878	F 1	S	294641.1	1247415.3	Residential	85	66	66	68	68	66	-0.1	No
R2880	GF	W	294633.6	1247255.0	Residential	85	65	65	64	64	64	-0.3	No
R2880	F 1	W	294633.6	1247255.0	Residential	85	70	70	70	70	70	-0.1	No
R2881	GF	S	294637.9	1247479.3	Residential	85	63	63	64	64	63	0.0	No
R2882	GF	W	294634.8	1247267.2	Residential	85	66	66	65	65	65	-0.2	No
R2882	F 1	W	294634.8	1247267.2	Residential	85	70	70	70	70	70	0.0	No
R2883	GF	W	294635.2	1247544.6	Residential	85	64	64	65	65	64	0.3	No
R2883	F 1	W	294635.2	1247544.6	Residential	85	67	67	69	69	67	-0.1	No
R2887	GF	W	294639.6	1247289.4	Residential	85	68	68	68	68	68	0.0	No
R2889	GF	S	294645.3	1247212.7	Residential	85	68	68	68	68	68	-0.1	No
R2889	F 1	S	294645.3	1247212.7	Residential	85	69	69	69	69	69	0.0	No
R2890	GF	W	294643.2	1247307.6	Residential	85	68	68	67	67	67	-0.1	No
R2891	GF	W	294643.3	1246209.3	Active recreation	n/a	65	65	65	65	65	0.0	No
R2891	F 1	W	294643.3	1246209.3	Active recreation	n/a	67	67	67	67	67	-0.1	No
R2891	F 2	W	294643.3	1246209.3	Active recreation	n/a	68	68	68	68	68	-0.1	No
R2893	GF	W	294644.3	1247731.5	Residential	85	64	64	65	65	64	0.2	No
R2893	F 1	W	294644.3	1247731.5	Residential	85	66	66	68	68	66	0.0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R2896	GF	W	294646.0	1247747.0	Residential	85	64	64	64	64	64	0.4	No
R2897	GF	W	294646.1	1247325.8	Residential	85	67	67	67	67	67	-0.2	No
R2897	F 1	W	294646.1	1247325.8	Residential	85	67	67	67	67	67	0.0	No
R2899	GF	W	294647.8	1246573.8	Active recreation	n/a	71	71	71	71	71	-0.1	No
R2902	GF	W	294653.1	1247764.4	Residential	85	63	63	65	65	64	0.3	No
R2902	F 1	W	294653.1	1247764.4	Residential	85	65	65	68	68	65	-0.5	No
R2902	F 2	W	294653.1	1247764.4	Residential	85	68	68	70	70	67	-0.4	No
R2904	GF	W	294655.8	1247798.8	Residential	85	63	63	64	64	63	0.3	No
R2904	F 1	W	294655.8	1247798.8	Residential	85	64	64	67	67	65	0.3	No
R2905	GF	W	294655.8	1247341.1	Residential	85	64	64	63	63	64	-0.3	No
R2905	F 1	W	294655.8	1247341.1	Residential	85	67	67	67	67	67	0.0	No
R2906	GF	W	294656.2	1246558.5	Active recreation	n/a	65	65	66	66	66	0.2	No
R2907	GF	S	294660.7	1247657.0	Residential	85	67	67	68	68	67	-0.2	No
R2909	GF	W	294660.0	1247362.4	Residential	85	64	64	63	63	64	-0.3	No
R2909	F 1	W	294660.0	1247362.4	Residential	85	67	67	67	67	67	0.0	No
R2910	GF	W	294660.8	1247844.1	Residential	85	63	63	62	62	62	-1.0	No
R2910	F 1	W	294660.8	1247844.1	Residential	85	64	64	64	64	64	0.2	No
R2913	GF	W	294661.4	1247378.0	Residential	85	63	63	62	62	63	-0.3	No
R2913	F 1	W	294661.4	1247378.0	Residential	85	66	66	66	66	66	-0.1	No
R2915	GF	W	294661.7	1247829.1	Residential	85	63	63	62	62	62	-0.4	No
R2915	F 1	W	294661.7	1247829.1	Residential	85	64	64	65	65	64	0.1	No
R2916	GF	S	294671.8	1247409.5	Residential	85	63	63	64	64	63	0.1	No
R2916	F 1	S	294671.8	1247409.5	Residential	85	68	68	68	68	68	0.0	No
R2919	GF	W	294669.3	1247457.3	Residential	85	65	65	66	66	65	-0.2	No
R2919	F 1	W	294669.3	1247457.3	Residential	85	68	68	69	69	68	-0.3	No
R2920	GF	W	294669.4	1247864.2	Residential	85	63	63	62	62	62	-0.9	No
R2920	F 1	W	294669.4	1247864.2	Residential	85	63	63	63	63	63	-0.2	No
R2921	GF	W	294671.6	1247437.2	Residential	85	64	64	64	64	64	-0.3	No
R2921	F 1	W	294671.6	1247437.2	Residential	85	68	68	68	68	67	-0.4	No
R2922	GF	S	294677.3	1247719.1	Residential	85	62	62	63	63	62	-0.2	No
R2923	GF	N	294688.2	1247887.1	Residential	85	63	63	62	62	62	-0.8	No
R2925	GF	W	294674.2	1247479.6	Residential	85	66	66	66	66	65	-0.1	No
R2928	GF	W	294675.9	1247904.6	Residential	85	63	63	62	62	63	-0.9	No
R2931	GF	W	294677.0	1247515.3	Residential	85	63	63	65	65	64	0.1	No
R2931	F 1	W	294677.0	1247515.3	Residential	85	66	66	68	68	66	0.0	No
R2932	GF	W	294677.1	1247925.5	Residential	85	63	63	62	62	62	-1.5	No
R2932	F 1	W	294677.1	1247925.5	Residential	85	64	64	63	63	63	-0.5	No
R2933	GF	SW	294682.7	1247227.3	Residential	85	65	65	64	64	65	-0.3	No
R2934	GF	W	294679.5	1247495.9	Residential	85	65	65	66	66	65	0.0	No
R2936	GF	W	294681.9	1247943.4	Residential	85	63	63	62	62	62	-1.2	No
R2936	F 1	W	294681.9	1247943.4	Residential	85	64	64	63	63	63	-0.6	No
R2937	GF	W	294682.8	1248001.1	Residential	85	63	63	62	62	62	-1.2	No
R2937	F 1	W	294682.8	1248001.1	Residential	85	64	64	63	63	63	-0.6	No
R2938	GF	W	294682.8	1247963.9	Residential	85	63	63	62	62	62	-1.1	No
R2938	F 1	W	294682.8	1247963.9	Residential	85	63	63	63	63	63	-0.6	No
R2939	GF	W	294683.4	1247978.0	Residential	85	63	63	62	62	62	-1.2	No
R2939	F 1	W	294683.4	1247978.0	Residential	85	63	63	62	62	63	-0.7	No
R2940	GF	W	294683.6	1247534.9	Residential	85	63	63	64	64	63	0.0	No
R2942	GF	W	294688.0	1247561.1	Residential	85	64	64	65	65	65	0.1	No
R2942	F 1	W	294688.0	1247561.1	Residential	85	67	67	68	68	67	-0.1	No
R2943	GF	S	294695.5	1247729.0	Residential	85	63	63	62	62	62	-0.2	No
R2945	GF	S	294694.4	1247259.7	Residential	85	64	64	63	63	63	-0.3	No
R2948	GF	SE	294700.0	1247241.0	Residential	85	62	62	61	61	62	-0.3	No
R2950	GF	S	294697.9	1247750.3	Residential	85	62	62	62	62	62	-0.1	No
R2951	GF	W	294693.3	1247578.1	Residential	85	65	65	66	66	65	0.0	No
R2951	F 1	W	294693.3	1247578.1	Residential	85	68	68	69	69	67	-0.3	No
R2954	GF	W	294696.5	1247292.7	Residential	85	62	62	60	60	61	-0.4	No
R2955	GF	W	294697.2	1247307.1	Residential	85	62	62	61	61	62	-0.2	No
R2956	GF	W	294697.4	1247922.3	Residential	85	63	63	62	62	62	-1.5	No
R2957	GF	W	294699.7	1247322.8	Residential	85	63	63	61	61	62	-0.3	No
R2958	GF	W	294700.3	1247596.0	Residential	85	65	65	67	67	65	-0.2	No
R2959	GF	W	294702.7	1247340.8	Residential	85	63	63	62	62	62	-0.4	No
R2960	GF	S	294706.6	1247891.4	Residential	85	64	64	63	63	63	-1.2	No
R2961	GF	N	294713.4	1247827.3	Residential	85	60	60	60	60	60	-0.2	No
R2961	F 1	N	294713.4	1247827.3	Residential	85	60	60	60	60	61	0.4	No
R2963	GF	S	294710.6	1247360.9	Residential	85	64	64	64	64	64	-0.1	No
R2964	GF	N	294715.1	1248002.7	Residential	85	61	61	60	60	60	-0.6	No
R2967	GF	NW	294708.9	1246158.0	Active recreation	n/a	63	63	63	63	63	0.1	No
R2968	GF	W	294710.9	1247715.2	Residential	85	63	63	63	63	63	-0.2	No
R2971	GF	W	294713.1	1247755.9	Residential	85	62	62	60	60	61	-1.2	No
R2971	F 1	W	294713.1	1247755.9	Residential	85	62	62	64	64	63	0.8	No
R2973	GF	W	294714.3	1247804.1	Residential	85	62	62	61	61	61	-1.3	No
R2974	GF	W	294715.0	1247733.9	Residential	85	62	62	62	62	63	0.2	No
R2975	GF	SW	294718.6	1247259.4	Residential	85	65	65	64	64	64	-0.3	No
R2976	GF	W	294715.6	1247899.5	Residential	85	64	64	62	62	62	-1.2	No
R2977	GF	NW	294717.2	1246111.1	Active recreation	n/a	63	63	63	63	63	0.0	No
R2978	GF	W	294717.5	1247111.0	Active recreation	n/a	69	69	69	69	69	0.1	No
R2979	GF	S	294721.7	1247424.9	Residential	85	66	66	66	66	66	0.0	No
R2980	GF	W	294717.6	1247878.7	Residential	85	64	64	62	62	62	-1.2	No
R2982	GF	W	294719.3	1247446.3	Residential	85	65	65	64	64	64	-0.2	No
R2982	F 1	W	294719.3	1247446.3	Residential	85	67	67	68	68	67	-0.1	No
R2984	GF	W	294720.8	1247988.0	Residential	85	61	61	60	60	60	-0.6	No
R2984	F 1	W	294720.8	1247988.0	Residential	85	63	63	62	62	62	-0.7	No
R2985	GF	S	294727.5	1247359.3	Residential	85	63	63	63	63	63	-0.2	No
R2989	GF	W	294722.8	1247771.3	Residential	85	62	62	63	63	61	-1.1	No
R2991	GF	SW	294728.1	1247279.6	Residential	85	66	66	65	65	65	-0.3	No
R2992	GF	W	294724.5	1247461.1	Residential	85	63	63	63	63	63	0.0	No
R2992	F 1	W	294724.5	1247461.1	Residential	85	66	66	66	66	66	-0.1	No
R2993	GF	W	294725.5	1247938.5	Residential	85	63	63	61	61	61	-1.8	No
R2993	F 1	W	294725.5	1247938.5	Residential	85	63	63	62	62	62	-0.4	No
R2994	GF	NW	294725.6	1247797.4	Residential	85	62	62	60	60	61	-1.1	No
R2995	GF	S	294731.2	1247403.3	Residential	85	65	65	65	65	65	0.0	No
R2996	GF	W	294726.8	1247476.0	Residential	85	63	63	64	64	63	0.1	No
R2996	F 1	W	294726.8	1247476.0	Residential	85	67	67	68	68	67	-0.1	No
R2997	GF	W	294727.0	1247299.5	Residential	85	65	65	64	64	64	-0.3	No
R2999	GF	W	294728.9	1247813.1	Residential	85	60	60	58	58	59	-0.8	No
R2999	F 1	W	294728.9	1247813.1	Residential	85	62	62	61	61	62	-0.4	No
R3001	GF	W	294729.2	1247874.8	Residential	85	62	62	60	60	61	-1.4	No
R3001	F 1	W	294729.2	1247874.8	Residential	85	62	62	62	62	62	-0.3	No
R3002	GF	W	294729.7	1247831.8	Residential	85	61	61	60	60	60	-0.2	No
R3002	F 1	W	294729.7	1247831.8	Residential	85	62	62	61	61	62	-0.4	No
R3003	GF	W	294731.3	1247492.2	Residential	85	64	64	65	65	64	0.0	No
R3003	F 1	W	294731.3	1247492.2	Residential	85	68	68	69	69	68	-0.1	No
R3004	GF	W	294733.4	1247851.5	Residential	85	62	62	60	60	61	-1.2	No
R3004	F 1	W	294733.4	1247851.5	Residential	85	62	62	62	62	62	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R3005	GF	W	294734.7	1247510.1	Residential	85	65	65	66	66	65	-0.1	No
R3005	F 1	W	294734.7	1247510.1	Residential	85	68	68	69	69	68	-0.1	No
R3006	GF	W	294735.1	1247525.7	Residential	85	65	65	66	66	65	-0.1	No
R3006	F 1	W	294735.1	1247525.7	Residential	85	68	68	69	69	68	-0.1	No
R3007	GF	S	294741.1	1247325.6	Residential	85	66	66	66	66	66	0.1	No
R3008	GF	W	294736.1	1247958.7	Residential	85	62	62	61	61	61	-1.3	No
R3008	F 1	W	294736.1	1247958.7	Residential	85	62	62	62	62	62	-0.4	No
R3009	GF	W	294737.1	1247547.1	Residential	85	65	65	66	66	65	0.0	No
R3010	GF	S	294742.8	1247350.0	Residential	85	65	65	65	65	65	-0.4	No
R3010	F 1	S	294742.8	1247350.0	Residential	85	68	68	67	67	67	-0.3	No
R3014	GF	S	294751.9	1247113.9	Active recreation	n/a	67	67	67	67	67	0.1	No
R3016	GF	W	294742.2	1247567.0	Residential	85	65	65	66	66	65	0.0	No
R3016	F 1	W	294742.2	1247567.0	Residential	85	67	67	69	69	67	-0.2	No
R3017	GF	W	294742.5	1247585.5	Residential	85	65	65	65	65	65	-0.1	No
R3017	F 1	W	294742.5	1247585.5	Residential	85	67	67	68	68	67	-0.2	No
R3019	GF	W	294743.0	1247914.5	Residential	85	62	62	61	61	61	-1.4	No
R3020	GF	N	294751.5	1247993.1	Residential	85	61	61	61	61	61	-0.5	No
R3021	GF	W	294744.4	1247893.8	Residential	85	62	62	60	60	61	-1.4	No
R3021	F 1	W	294744.4	1247893.8	Residential	85	62	62	61	61	61	-0.7	No
R3021	F 2	W	294744.4	1247893.8	Residential	85	62	62	62	62	63	0.4	No
R3023	GF	W	294745.5	1247597.8	Residential	85	64	64	64	64	64	0.1	No
R3023	F 1	W	294745.5	1247597.8	Residential	85	67	67	68	68	67	-0.2	No
R3024	GF	S	294757.2	1247924.0	Residential	85	61	61	60	60	60	-1.7	No
R3025	GF	N	294753.0	1247413.5	Residential	85	66	66	66	66	66	-0.2	No
R3027	GF	W	294747.2	1247315.1	Residential	85	64	64	64	64	64	-0.2	No
R3028	GF	W	294748.4	1247197.1	Residential	85	67	67	67	67	67	-0.1	No
R3030	GF	W	294748.6	1247611.1	Residential	85	62	62	63	63	62	0.3	No
R3033	GF	S	294759.2	1247355.8	Residential	85	66	66	66	66	66	-0.1	No
R3034	GF	W	294753.3	1247626.5	Residential	85	62	62	63	63	62	0.1	No
R3034	F 1	W	294753.3	1247626.5	Residential	85	66	66	67	67	66	-0.4	No
R3038	GF	S	294758.3	1247419.4	Residential	85	66	66	66	66	66	-0.1	No
R3040	GF	W	294755.2	1247664.3	Residential	85	61	61	61	61	62	0.2	No
R3040	F 1	W	294755.2	1247664.3	Residential	85	64	64	65	65	64	0.0	No
R3041	GF	W	294755.7	1247329.4	Residential	85	65	65	65	65	65	-0.1	No
R3042	GF	W	294755.8	1247644.8	Residential	85	62	62	61	61	62	0.2	No
R3042	F 1	W	294755.8	1247644.8	Residential	85	66	66	66	66	65	-0.1	No
R3043	GF	S	294761.0	1247942.1	Residential	85	59	59	58	58	58	-0.6	No
R3043	F 1	S	294761.0	1247942.1	Residential	85	61	61	60	60	60	-1.0	No
R3046	GF	W	294757.5	1247211.4	Residential	85	68	68	67	67	67	-0.1	No
R3047	GF	W	294758.8	1247403.2	Residential	85	65	65	65	65	65	0.0	No
R3047	F 1	W	294758.8	1247403.2	Residential	85	68	68	68	68	68	-0.1	No
R3048	GF	W	294760.8	1247679.2	Residential	85	62	62	61	61	61	-0.3	No
R3049	GF	W	294760.9	1247978.4	Residential	85	60	60	59	59	59	-1.0	No
R3049	F 1	W	294760.9	1247978.4	Residential	85	62	62	61	61	62	-0.2	No
R3049	F 2	W	294760.9	1247978.4	Residential	85	62	62	62	62	62	0.3	No
R3050	GF	S	294765.3	1247432.9	Residential	85	67	67	67	67	67	0.0	No
R3051	GF	W	294761.9	1247709.9	Residential	85	62	62	61	61	61	-0.4	No
R3051	F 1	W	294761.9	1247709.9	Residential	85	61	61	63	63	62	0.5	No
R3053	GF	W	294764.0	1247225.6	Residential	85	68	68	67	67	67	-0.2	No
R3054	GF	W	294764.5	1247343.3	Residential	85	65	65	65	65	65	-0.1	No
R3054	F 1	W	294764.5	1247343.3	Residential	85	68	68	68	68	68	-0.1	No
R3055	GF	W	294764.9	1247726.9	Residential	85	62	62	61	61	61	-0.6	No
R3055	F 1	W	294764.9	1247726.9	Residential	85	62	62	63	63	62	0.1	No
R3058	GF	W	294768.8	1247563.2	Residential	85	63	63	63	63	62	-0.6	No
R3058	F 1	W	294768.8	1247563.2	Residential	85	68	68	69	69	68	-0.2	No
R3060	GF	W	294769.5	1247420.8	Residential	85	66	66	66	66	66	0.0	No
R3060	F 1	W	294769.5	1247420.8	Residential	85	67	67	68	68	67	0.0	No
R3061	GF	W	294769.9	1247748.6	Residential	85	62	62	60	60	61	-1.3	No
R3061	F 1	W	294769.9	1247748.6	Residential	85	62	62	62	62	62	0.1	No
R3064	GF	W	294770.8	1247239.8	Residential	85	68	68	67	67	67	-0.2	No
R3067	GF	W	294771.8	1247768.4	Residential	85	61	61	60	60	60	-1.5	No
R3070	GF	W	294774.3	1247358.7	Residential	85	66	66	66	66	66	-0.1	No
R3071	GF	S	294783.9	1247479.7	Residential	85	67	67	67	67	67	-0.1	No
R3071	F 1	S	294783.9	1247479.7	Residential	85	68	68	68	68	68	-0.2	No
R3072	GF	S	294779.5	1247709.0	Residential	85	58	58	58	58	59	1.1	No
R3073	GF	W	294775.0	1247579.8	Residential	85	61	61	61	61	61	-0.3	No
R3074	GF	W	294780.4	1247193.8	Residential	85	68	68	68	68	68	0.0	No
R3076	GF	W	294777.8	1247254.6	Residential	85	67	67	67	67	67	0.0	No
R3077	GF	W	294778.0	1247436.7	Residential	85	66	66	66	66	66	-0.1	No
R3077	F 1	W	294778.0	1247436.7	Residential	85	68	68	68	68	68	-0.2	No
R3077	F 2	W	294778.0	1247436.7	Residential	85	67	67	67	67	67	-0.2	No
R3078	GF	W	294778.8	1247806.2	Residential	85	61	61	59	59	60	-1.5	No
R3078	F 1	W	294778.8	1247806.2	Residential	85	61	61	60	60	61	-0.2	No
R3081	GF	W	294779.2	1247788.3	Residential	85	61	61	59	59	60	-1.4	No
R3081	F 1	W	294779.2	1247788.3	Residential	85	61	61	61	61	61	0.1	No
R3083	GF	W	294780.3	1247452.7	Residential	85	63	63	63	63	63	-0.2	No
R3083	F 1	W	294780.3	1247452.7	Residential	85	68	68	68	68	68	-0.2	No
R3086	GF	W	294781.5	1247827.3	Residential	85	62	62	60	60	60	-1.9	No
R3086	F 1	W	294781.5	1247827.3	Residential	85	61	61	61	61	61	-0.3	No
R3086	F 2	W	294781.5	1247827.3	Residential	85	59	59	59	59	59	0.2	No
R3089	GF	W	294784.2	1247467.1	Residential	85	68	68	68	68	68	-0.2	No
R3091	GF	W	294786.6	1247850.1	Residential	85	61	61	59	59	60	-1.7	No
R3091	F 1	W	294786.6	1247850.1	Residential	85	60	60	59	59	59	-0.5	No
R3092	GF	W	294787.6	1247268.8	Residential	85	66	66	66	66	66	0.1	No
R3096	GF	S	294794.4	1247714.6	Residential	85	61	61	59	59	60	-0.7	No
R3098	GF	W	294788.4	1247864.6	Residential	85	61	61	59	59	59	-1.7	No
R3098	F 1	W	294788.4	1247864.6	Residential	85	61	61	60	60	61	-0.8	No
R3099	GF	S	294795.9	1247696.6	Residential	85	60	60	59	59	60	-0.7	No
R3101	GF	W	294791.7	1247886.7	Residential	85	61	61	59	59	59	-1.7	No
R3101	F 1	W	294791.7	1247886.7	Residential	85	61	61	60	60	61	-0.7	No
R3102	GF	S	294800.4	1247187.0	Residential	85	66	66	66	66	66	0.0	No
R3102	F 1	S	294800.4	1247187.0	Residential	85	68	68	68	68	68	-0.1	No
R3103	GF	W	294795.0	1247903.6	Residential	85	61	61	59	59	59	-1.4	No
R3103	F 1	W	294795.0	1247903.6	Residential	85	61	61	60	60	61	-0.6	No
R3105	GF	W	294796.5	1247282.0	Residential	85	67	67	67	67	67	-0.1	No
R3107	GF	W	294799.1	1247923.1	Residential	85	60	60	59	59	59	-1.2	No
R3107	F 1	W	294799.1	1247923.1	Residential	85	61	61	60	60	60	-1.1	No
R3110	GF	W	294800.8	1247616.3	Residential	85	62	62	60	60	61	-0.6	No
R3111	GF	W	294801.0	1247534.9	Residential	85	62	62	63	63	62	0.1	No
R3111	F 1	W	294801.0	1247534.9	Residential	85	65	65	66	66	65	0.0	No
R3113	GF	W	294801.3	1247959.9	Residential	85	61	61	59	59	60	-1.6	No
R3117	GF	W	294801.8	1247937.6	Residential	85	60	60	59	59	59	-1.5	No
R3117	F 1	W	294801.8	1247937.6	Residential	85	61	61	60	60	60	-1.0	No
R3117	F 2	W	294801.8	1247937.6	Residential	85	61	61	61	61	61	0.2	No
R3118	GF	W	294802.1	1247728.3	Residential	85	61	61	59	59	60	-1.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R3119	GF	W	294803.5	1247515.7	Residential	85	61	61	62	62	62	0.4	No
R3119	F 1	W	294803.5	1247515.7	Residential	85	63	63	64	64	63	0.0	No
R3120	GF	W	294805.0	1247494.9	Residential	85	60	60	59	59	59	-0.3	No
R3120	F 1	W	294805.0	1247494.9	Residential	85	61	61	62	62	61	0.3	No
R3121	GF	W	294805.3	1247295.2	Residential	85	66	66	66	66	66	-0.1	No
R3122	GF	W	294806.7	1247479.4	Residential	85	59	59	59	59	59	0.0	No
R3122	F 1	W	294806.7	1247479.4	Residential	85	66	66	66	66	66	-0.3	No
R3122	F 2	W	294806.7	1247479.4	Residential	85	66	66	67	67	66	-0.2	No
R3123	GF	W	294807.9	1247671.8	Residential	85	60	60	59	59	59	-0.3	No
R3125	GF	S	294824.8	1247605.1	Residential	85	59	59	59	59	59	-0.4	No
R3126	GF	S	294816.5	1247184.2	Residential	85	67	67	67	67	67	0.0	No
R3126	F 1	S	294816.5	1247184.2	Residential	85	68	68	68	68	68	-0.1	No
R3128	GF	W	294811.3	1247312.7	Residential	85	67	67	66	66	66	-0.1	No
R3132	GF	W	294814.2	1247549.9	Residential	85	61	61	61	61	61	-0.1	No
R3132	F 1	W	294814.2	1247549.9	Residential	85	62	62	64	64	62	0.0	No
R3137	GF	W	294817.2	1247576.1	Residential	85	61	61	60	60	60	-0.6	No
R3137	F 1	W	294817.2	1247576.1	Residential	85	63	63	64	64	63	-0.1	No
R3139	GF	W	294817.6	1247955.3	Residential	85	60	60	59	59	59	-1.2	No
R3140	GF	W	294818.2	1247838.8	Residential	85	59	59	58	58	59	-0.8	No
R3142	GF	S	294830.7	1247252.5	Residential	85	67	67	68	68	68	0.2	No
R3143	GF	W	294823.4	1247781.1	Residential	85	61	61	59	59	59	-1.3	No
R3144	GF	W	294823.7	1247634.1	Residential	85	61	61	59	59	60	-1.1	No
R3144	F 1	W	294823.7	1247634.1	Residential	85	61	61	61	61	61	0.1	No
R3148	GF	NW	294824.9	1247333.3	Residential	85	66	66	66	66	66	-0.1	No
R3149	GF	W	294825.3	1247654.4	Residential	85	61	61	59	59	60	-0.9	No
R3153	GF	W	294827.9	1247593.1	Residential	85	61	61	60	60	60	-0.4	No
R3153	F 1	W	294827.9	1247593.1	Residential	85	62	62	63	63	62	0.2	No
R3155	GF	W	294828.6	1247732.6	Residential	85	61	61	60	60	60	-1.2	No
R3156	GF	S	294832.5	1247889.7	Residential	85	61	61	59	59	60	-1.6	No
R3159	GF	W	294831.9	1247245.2	Residential	85	67	67	67	67	67	0.0	No
R3160	GF	W	294835.8	1247908.0	Residential	85	58	58	57	57	58	-0.4	No
R3160	F 1	W	294835.8	1247908.0	Residential	85	61	61	59	59	60	-1.2	No
R3161	GF	W	294833.2	1247700.3	Residential	85	60	60	59	59	60	-0.9	No
R3161	F 1	W	294833.2	1247700.3	Residential	85	61	61	60	60	60	-0.3	No
R3161	F 2	W	294833.2	1247700.3	Residential	85	61	61	62	62	61	0.2	No
R3162	GF	W	294833.9	1247776.8	Residential	85	60	60	58	58	59	-1.2	No
R3164	GF	NW	294835.0	1247344.0	Residential	85	66	66	66	66	66	-0.2	No
R3166	GF	W	294835.2	1247715.9	Residential	85	60	60	59	59	59	-1.1	No
R3166	F 1	W	294835.2	1247715.9	Residential	85	61	61	60	60	61	-0.1	No
R3169	GF	W	294836.1	1247883.9	Residential	85	61	61	59	59	59	-1.7	No
R3176	GF	N	294848.6	1247956.2	Residential	85	58	58	58	58	58	-0.1	No
R3176	F 1	N	294848.6	1247956.2	Residential	85	59	59	59	59	59	-0.3	No
R3177	GF	W	294841.5	1247666.1	Residential	85	61	61	59	59	60	-1.1	No
R3178	GF	W	294841.7	1247737.4	Residential	85	61	61	59	59	59	-1.4	No
R3178	F 1	W	294841.7	1247737.4	Residential	85	61	61	60	60	61	0.0	No
R3180	GF	W	294844.4	1247258.4	Residential	85	64	64	64	64	64	-0.3	No
R3180	F 1	W	294844.4	1247258.4	Residential	85	67	67	67	67	67	-0.1	No
R3181	GF	W	294844.8	1247755.2	Residential	85	60	60	58	58	59	-1.3	No
R3181	F 1	W	294844.8	1247755.2	Residential	85	59	59	59	59	59	-0.1	No
R3186	GF	S	294856.6	1247873.9	Residential	85	59	59	57	57	58	-0.9	No
R3186	F 1	S	294856.6	1247873.9	Residential	85	59	59	57	57	58	-1.3	No
R3188	GF	W	294850.7	1247271.8	Residential	85	65	65	65	65	65	-0.1	No
R3188	F 1	W	294850.7	1247271.8	Residential	85	65	65	65	65	65	0.1	No
R3191	GF	W	294851.2	1247798.6	Residential	85	60	60	58	58	58	-1.5	No
R3191	F 1	W	294851.2	1247798.6	Residential	85	60	60	59	59	59	-0.8	No
R3193	GF	S	294858.1	1247323.2	Residential	85	65	65	65	65	65	0.1	No
R3194	GF	W	294854.1	1247286.6	Residential	85	65	65	65	65	65	-0.1	No
R3196	GF	W	294854.3	1247815.9	Residential	85	60	60	58	58	59	-1.5	No
R3198	GF	NW	294854.8	1247182.9	Residential	85	67	67	67	67	67	0.1	No
R3199	GF	S	294861.1	1247929.8	Residential	85	60	60	58	58	58	-1.5	No
R3202	GF	W	294858.6	1247834.4	Residential	85	60	60	58	58	59	-1.4	No
R3202	F 1	W	294858.6	1247834.4	Residential	85	60	60	59	59	59	-1.1	No
R3203	GF	W	294861.2	1247858.1	Residential	85	60	60	58	58	58	-1.7	No
R3203	F 1	W	294861.2	1247858.1	Residential	85	60	60	59	59	59	-1.3	No
R3204	GF	W	294861.5	1247387.7	Residential	85	65	65	65	65	65	-0.2	No
R3204	F 1	W	294861.5	1247387.7	Residential	85	67	67	67	67	67	-0.2	No
R3206	GF	NW	294862.9	1247194.8	Residential	85	67	67	67	67	67	0.1	No
R3206	F 1	NW	294862.9	1247194.8	Residential	85	68	68	68	68	68	0.0	No
R3209	GF	W	294865.3	1247302.5	Residential	85	64	64	64	64	64	0.0	No
R3210	GF	S	294877.4	1247496.0	Residential	85	61	61	60	60	60	-0.3	No
R3211	GF	S	294872.0	1247869.5	Residential	85	59	59	57	57	57	-1.3	No
R3211	F 1	S	294872.0	1247869.5	Residential	85	59	59	58	58	58	-1.4	No
R3212	GF	W	294865.9	1247897.1	Residential	85	59	59	57	57	58	-1.4	No
R3212	F 1	W	294865.9	1247897.1	Residential	85	60	60	59	59	59	-1.1	No
R3213	GF	W	294867.6	1247537.8	Residential	85	60	60	59	59	59	-0.7	No
R3213	F 1	W	294867.6	1247537.8	Residential	85	62	62	62	62	62	0.2	No
R3216	GF	S	294874.6	1247326.9	Residential	85	65	65	65	65	65	0.0	No
R3218	GF	W	294869.5	1247550.0	Residential	85	60	60	59	59	60	-0.8	No
R3220	GF	NW	294870.7	1247207.8	Residential	85	65	65	65	65	65	0.0	No
R3220	F 1	NW	294870.7	1247207.8	Residential	85	68	68	68	68	68	0.0	No
R3221	GF	W	294871.3	1247923.9	Residential	85	60	60	58	58	58	-2.0	No
R3221	F 1	W	294871.3	1247923.9	Residential	85	60	60	59	59	60	-0.7	No
R3222	GF	W	294872.3	1247911.1	Residential	85	60	60	58	58	59	-1.6	No
R3223	GF	W	294872.8	1247566.4	Residential	85	60	60	59	59	59	-0.9	No
R3226	GF	W	294875.1	1247937.0	Residential	85	60	60	58	58	58	-1.7	No
R3228	GF	NW	294877.5	1247218.1	Residential	85	64	64	64	64	64	-0.1	No
R3230	GF	S	294888.2	1247370.9	Residential	85	65	65	65	65	65	0.0	No
R3231	GF	W	294878.9	1247604.2	Residential	85	60	60	58	58	59	-0.9	No
R3231	F 1	W	294878.9	1247604.2	Residential	85	60	60	61	61	61	0.1	No
R3234	GF	W	294880.4	1247314.7	Residential	85	63	63	62	62	63	-0.2	No
R3235	GF	W	294881.3	1247581.5	Residential	85	60	60	58	58	59	-1.0	No
R3236	GF	W	294881.7	1247690.9	Residential	85	60	60	58	58	59	-1.3	No
R3236	F 1	W	294881.7	1247690.9	Residential	85	61	61	59	59	60	-0.6	No
R3238	GF	W	294883.9	1247623.9	Residential	85	60	60	58	58	59	-1.2	No
R3238	F 1	W	294883.9	1247623.9	Residential	85	60	60	60	60	60	0.2	No
R3239	GF	W	294884.5	1247707.8	Residential	85	59	59	57	57	58	-0.9	No
R3239	F 1	W	294884.5	1247707.8	Residential	85	60	60	59	59	59	-1.0	No
R3240	GF	S	294894.7	1247331.9	Residential	85	65	65	64	64	65	0.0	No
R3241	GF	W	294885.7	1247646.8	Residential	85	60	60	58	58	59	-1.1	No
R3241	F 1	W	294885.7	1247646.8	Residential	85	60	60	59	59	60	-0.1	No
R3243	GF	NW	294886.7	1247233.0	Residential	85	64	64	63	63	64	-0.2	No
R3244	GF	W	294887.3	1247659.4	Residential	85	60	60	58	58	58	-1.3	No
R3244	F 1	W	294887.3	1247659.4	Residential	85	60	60	59	59	60	-0.3	No
R3247	GF	W	294889.8	1247727.5	Residential	85	60	60	58	58	58	-1.5	No
R3248	GF	W	294890.1	1247320.9	Residential	85	63	63	62	62	63	-0.3	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R3250	GF	W	294892.6	1247750.4	Residential	85	60	60	58	58	58	-1.8	No
R3250	F 1	W	294892.6	1247750.4	Residential	85	60	60	58	58	59	-0.9	No
R3253	GF	W	294893.5	1247768.3	Residential	85	60	60	57	57	58	-1.6	No
R3253	F 1	W	294893.5	1247768.3	Residential	85	58	58	57	57	57	-1.3	No
R3254	GF	NW	294894.1	1247245.1	Residential	85	64	64	64	64	64	-0.1	No
R3257	GF	S	294905.2	1247533.6	Industrial	n/a	60	60	60	60	60	-0.3	No
R3257	F 1	S	294905.2	1247533.6	Industrial	n/a	63	63	63	63	63	0.0	No
R3258	GF	W	294897.1	1247789.2	Residential	85	60	60	58	58	58	-1.6	No
R3258	F 1	W	294897.1	1247789.2	Residential	85	60	60	58	58	58	-1.3	No
R3262	GF	W	294901.6	1247811.0	Residential	85	60	60	57	57	58	-1.5	No
R3263	GF	S	294909.3	1247680.7	Residential	85	58	58	56	56	58	-0.6	No
R3263	F 1	S	294909.3	1247680.7	Residential	85	58	58	58	58	58	-0.2	No
R3264	GF	W	294903.4	1247828.2	Residential	85	60	60	57	57	58	-1.8	No
R3264	F 1	W	294903.4	1247828.2	Residential	85	60	60	58	58	58	-1.4	No
R3266	GF	NW	294903.6	1247258.3	Residential	85	63	63	63	63	63	-0.4	No
R3268	GF	E	294917.1	1247652.8	Residential	85	59	59	57	57	58	-1.1	No
R3272	GF	W	294910.5	1247849.4	Residential	85	60	60	57	57	58	-1.9	No
R3272	F 1	W	294910.5	1247849.4	Residential	85	59	59	58	58	58	-1.3	No
R3275	GF	W	294911.0	1247864.4	Residential	85	60	60	57	57	58	-1.9	No
R3275	F 1	W	294911.0	1247864.4	Residential	85	60	60	58	58	58	-1.1	No
R3277	GF	W	294913.7	1247882.4	Residential	85	59	59	57	57	57	-1.8	No
R3281	GF	W	294916.5	1247908.0	Residential	85	59	59	58	58	58	-1.4	No
R3281	F 1	W	294916.5	1247908.0	Residential	85	59	59	58	58	58	-0.9	No
R3283	GF	W	294918.7	1247651.4	Residential	85	59	59	57	57	57	-1.4	No
R3284	GF	W	294920.8	1247268.1	Residential	85	64	64	64	64	64	0.1	No
R3286	GF	W	294922.8	1247615.5	Residential	85	60	60	58	58	58	-1.4	No
R3288	GF	W	294923.9	1247764.7	Residential	85	60	60	58	58	58	-1.8	No
R3289	GF	S	294929.3	1247388.6	Residential	85	65	65	65	65	65	0.2	No
R3298	GF	W	294933.4	1247284.8	Residential	85	64	64	64	64	64	-0.2	No
R3298	F 1	W	294933.4	1247284.8	Residential	85	68	68	68	68	68	0.1	No
R3300	GF	W	294934.1	1247301.1	Residential	85	65	65	65	65	65	0.0	No
R3300	F 1	W	294934.1	1247301.1	Residential	85	68	68	68	68	68	0.0	No
R3301	GF	W	294934.4	1247643.1	Residential	85	59	59	57	57	58	-0.8	No
R3301	F 1	W	294934.4	1247643.1	Residential	85	59	59	58	58	59	0.0	No
R3302	GF	SW	294936.0	1247247.8	Residential	85	60	60	60	60	60	-0.2	No
R3303	GF	W	294936.1	1247318.5	Residential	85	65	65	65	65	65	0.0	No
R3303	F 1	W	294936.1	1247318.5	Residential	85	66	66	66	66	66	0.0	No
R3304	GF	SE	294948.5	1247445.3	Residential	85	63	63	63	63	63	0.0	No
R3307	GF	W	294939.2	1247393.6	Residential	85	61	61	61	61	61	-0.2	No
R3307	F 1	W	294939.2	1247393.6	Residential	85	64	64	64	64	64	-0.2	No
R3308	GF	W	294939.8	1247343.7	Residential	85	65	65	65	65	65	-0.1	No
R3309	GF	W	294940.4	1247896.4	Residential	85	59	59	57	57	57	-2.0	No
R3309	F 1	W	294940.4	1247896.4	Residential	85	59	59	58	58	58	-0.9	No
R3310	GF	NW	294940.8	1247477.6	Residential	85	65	65	64	64	64	-0.2	No
R3311	GF	W	294941.7	1247376.8	Residential	85	63	63	63	63	63	-0.2	No
R3312	GF	W	294942.9	1247682.5	Residential	85	59	59	57	57	57	-1.5	No
R3312	F 1	W	294942.9	1247682.5	Residential	85	59	59	58	58	58	-0.7	No
R3312	F 2	W	294942.9	1247682.5	Residential	85	57	57	57	57	57	0.1	No
R3314	GF	W	294943.5	1247361.5	Residential	85	61	61	61	61	61	0.0	No
R3314	F 1	W	294943.5	1247361.5	Residential	85	67	67	67	67	67	0.0	No
R3317	GF	W	294945.0	1247237.1	Residential	85	60	60	59	59	60	-0.1	No
R3318	GF	W	294945.4	1247423.5	Residential	85	61	61	61	61	61	-0.2	No
R3319	GF	W	294946.0	1247407.8	Residential	85	62	62	62	62	62	-0.1	No
R3322	GF	W	294949.4	1247698.9	Residential	85	59	59	57	57	57	-1.3	No
R3322	F 1	W	294949.4	1247698.9	Residential	85	57	57	56	56	56	-0.8	No
R3325	GF	S	294959.6	1247632.8	Residential	85	58	58	56	56	57	-0.9	No
R3326	GF	W	294952.3	1247437.3	Residential	85	60	60	59	59	60	-0.3	No
R3326	F 1	W	294952.3	1247437.3	Residential	85	64	64	64	64	64	-0.5	No
R3327	GF	NW	294957.8	1247495.5	Residential	85	62	62	62	62	62	-0.2	No
R3331	GF	SW	294958.1	1247219.6	Residential	85	62	62	62	62	62	0.1	No
R3331	F 1	SW	294958.1	1247219.6	Residential	85	64	64	64	64	64	0.0	No
R3334	GF	W	294959.4	1247736.3	Residential	85	59	59	57	57	57	-1.7	No
R3334	F 1	W	294959.4	1247736.3	Residential	85	59	59	57	57	58	-1.1	No
R3335	GF	W	294960.5	1247884.2	Residential	85	59	59	57	57	57	-1.8	No
R3335	F 1	W	294960.5	1247884.2	Residential	85	59	59	58	58	58	-1.2	No
R3336	GF	W	294961.2	1247718.6	Residential	85	58	58	56	56	57	-1.5	No
R3336	F 1	W	294961.2	1247718.6	Residential	85	59	59	57	57	57	-1.1	No
R3339	GF	S	294983.9	1247606.1	Industrial	n/a	57	57	57	57	57	-0.8	No
R3339	F 1	S	294983.9	1247606.1	Industrial	n/a	58	58	58	58	58	0.0	No
R3340	GF	W	294966.1	1247758.4	Residential	85	59	59	57	57	57	-1.5	No
R3340	F 1	W	294966.1	1247758.4	Residential	85	58	58	57	57	57	-1.2	No
R3344	GF	W	294970.5	1247776.8	Residential	85	59	59	57	57	57	-1.9	No
R3346	GF	W	294974.1	1247639.2	Residential	85	58	58	56	56	57	-0.9	No
R3346	F 1	W	294974.1	1247639.2	Residential	85	59	59	58	58	58	-0.5	No
R3347	GF	S	294980.8	1247483.7	Residential	85	61	61	61	61	61	-0.3	No
R3348	GF	W	294976.3	1247837.3	Residential	85	58	58	56	56	57	-1.6	No
R3348	F 1	W	294976.3	1247837.3	Residential	85	58	58	57	57	57	-1.3	No
R3349	GF	W	294977.3	1247796.0	Residential	85	59	59	57	57	57	-1.5	No
R3350	GF	W	294977.3	1247280.4	Residential	85	62	62	61	61	61	-0.1	No
R3350	F 1	W	294977.3	1247280.4	Residential	85	66	66	66	66	66	0.0	No
R3351	GF	W	294978.6	1247812.8	Residential	85	59	59	57	57	57	-2.1	No
R3352	GF	W	294979.4	1247302.7	Residential	85	60	60	59	59	59	-0.4	No
R3352	F 1	W	294979.4	1247302.7	Residential	85	64	64	64	64	64	0.1	No
R3356	GF	W	294983.7	1247863.4	Residential	85	59	59	56	56	57	-1.9	No
R3356	F 1	W	294983.7	1247863.4	Residential	85	59	59	57	57	57	-1.4	No
R3358	GF	E	294998.4	1247357.7	Residential	85	62	62	62	62	62	0.0	No
R3359	GF	S	294991.5	1247320.2	Residential	85	63	63	63	63	63	0.2	No
R3360	GF	E	294998.5	1247370.4	Residential	85	64	64	64	64	64	0.0	No
R3364	GF	E	295002.4	1247390.5	Residential	85	65	65	65	65	65	0.0	No
R3366	GF	NW	294987.4	1247512.6	Residential	85	62	62	62	62	62	-0.2	No
R3368	GF	SE	295000.1	1247462.7	Residential	85	62	62	62	62	62	-0.2	No
R3373	GF	E	295004.6	1247406.9	Residential	85	63	63	63	63	63	0.0	No
R3374	GF	N	295007.4	1247312.6	Residential	85	61	61	61	61	61	0.2	No
R3378	GF	NW	294999.6	1247525.5	Residential	85	62	62	62	62	62	-0.3	No
R3378	F 1	NW	294999.6	1247525.5	Residential	85	63	63	63	63	63	0.0	No
R3381	GF	W	295000.2	1247671.6	Residential	85	58	58	56	56	57	-1.5	No
R3382	GF	SW	295000.9	1247481.3	Residential	85	64	64	64	64	64	-0.2	No
R3384	GF	S	295005.8	1247318.5	Residential	85	63	63	63	63	63	0.1	No
R3384	F 1	S	295005.8	1247318.5	Residential	85	65	65	65	65	65	0.1	No
R3387	GF	SW	295006.6	1247244.6	Residential	85	64	64	64	64	64	0.1	No
R3387	F 1	SW	295006.6	1247244.6	Residential	85	67	67	67	67	67	0.0	No
R3388	GF	W	295003.6	1247691.4	Residential	85	58	58	56	56	57	-0.9	No
R3388	F 1	W	295003.6	1247691.4	Residential	85	59	59	57	57	58	-1.1	No
R3390	GF	SW	295007.0	1247417.3	Residential	85	64	64	64	64	64	0.0	No
R3392	GF	W	295007.0	1247713.6	Residential	85	59	59	56	56	57	-1.7	No

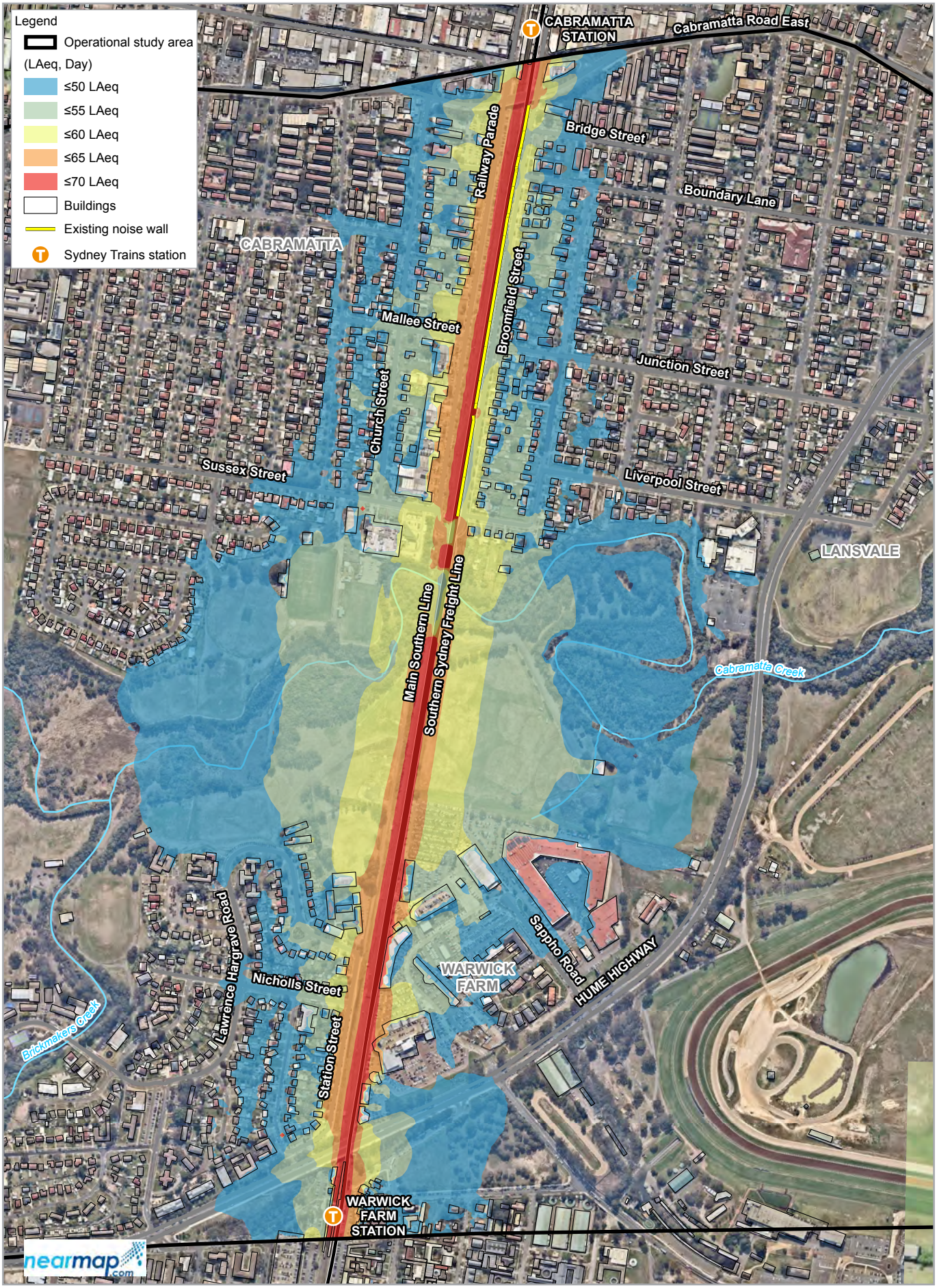
Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R3392	F 1	W	295007.0	1247713.6	Residential	85	58	58	57	57	57	-1.4	No
R3396	GF	W	295010.8	1247348.5	Residential	85	65	65	65	65	65	0.0	No
R3396	F 1	W	295010.8	1247348.5	Residential	85	66	66	66	66	66	0.0	No
R3397	GF	SE	295027.7	1247525.9	Residential	85	59	59	59	59	59	0.3	No
R3398	GF	W	295011.7	1247736.4	Residential	85	58	58	56	56	56	-1.9	No
R3398	F 1	W	295011.7	1247736.4	Residential	85	58	58	56	56	57	-1.6	No
R3399	GF	W	295012.7	1247369.5	Residential	85	66	66	66	66	66	-0.1	No
R3399	F 1	W	295012.7	1247369.5	Residential	85	67	67	67	67	67	0.0	No
R3400	GF	W	295013.0	1247240.0	Residential	85	65	65	65	65	65	0.0	No
R3403	GF	W	295014.3	1247752.2	Residential	85	58	58	56	56	56	-1.8	No
R3403	F 1	W	295014.3	1247752.2	Residential	85	58	58	56	56	57	-1.3	No
R3405	GF	SW	295027.1	1247487.8	Residential	85	63	63	63	63	63	0.1	No
R3406	GF	W	295016.8	1247768.9	Residential	85	58	58	56	56	56	-1.8	No
R3406	F 1	W	295016.8	1247768.9	Residential	85	58	58	57	57	57	-1.3	No
R3407	GF	S	295023.0	1247430.4	Residential	85	65	65	65	65	65	0.0	No
R3411	GF	W	295019.5	1247803.8	Residential	85	58	58	56	56	57	-1.5	No
R3411	F 1	W	295019.5	1247803.8	Residential	85	58	58	56	56	57	-1.2	No
R3412	GF	NW	295019.8	1247385.7	Residential	85	67	67	67	67	67	-0.1	No
R3412	F 1	NW	295019.8	1247385.7	Residential	85	68	68	68	68	68	0.0	No
R3413	GF	W	295020.1	1247617.4	Industrial	n/a	59	59	58	58	58	-0.4	No
R3414	GF	W	295020.1	1247784.1	Residential	85	58	58	56	56	57	-1.7	No
R3414	F 1	W	295020.1	1247784.1	Residential	85	58	58	57	57	57	-1.4	No
R3416	GF	SW	295027.5	1247399.9	Residential	85	66	66	66	66	66	-0.1	No
R3421	GF	W	295029.1	1247269.6	Residential	85	63	63	63	63	63	-0.1	No
R3421	F 1	W	295029.1	1247269.6	Residential	85	67	67	67	67	67	0.0	No
R3422	GF	SW	295030.0	1247515.5	Residential	85	62	62	62	62	62	-0.1	No
R3426	GF	W	295029.9	1247674.1	Residential	85	58	58	56	56	57	-1.4	No
R3426	F 1	W	295029.9	1247674.1	Residential	85	58	58	57	57	57	-0.9	No
R3428	GF	NW	295033.5	1247453.1	Residential	85	64	64	64	64	64	-0.2	No
R3430	GF	S	295042.1	1247231.7	Residential	85	65	65	65	65	65	0.0	No
R3430	F 1	S	295042.1	1247231.7	Residential	85	66	66	66	66	66	0.0	No
R3430	GF	S	295042.1	1247231.7	Residential	85	65	65	65	65	65	0.0	No
R3430	F 1	S	295042.1	1247231.7	Residential	85	66	66	66	66	66	0.0	No
R3432	GF	W	295035.5	1247284.7	Residential	85	65	65	64	64	65	-0.1	No
R3433	GF	SE	295047.2	1247497.3	Residential	85	60	60	60	60	60	0.3	No
R3436	GF	NW	295039.5	1247418.2	Residential	85	64	64	63	63	63	-0.2	No
R3436	F 1	NW	295039.5	1247418.2	Residential	85	67	67	67	67	67	0.0	No
R3438	GF	W	295038.8	1247297.9	Residential	85	65	65	65	65	65	0.0	No
R3440	GF	W	295046.0	1247806.5	Residential	85	58	58	56	56	56	-1.7	No
R3445	GF	W	295044.1	1247316.3	Residential	85	65	65	65	65	65	-0.1	No
R3446	GF	S	295050.6	1247758.0	Residential	85	58	58	55	55	56	-1.6	No
R3448	GF	S	295052.5	1247662.2	Residential	85	56	56	54	54	56	-0.7	No
R3448	F 1	S	295052.5	1247662.2	Residential	85	57	57	56	56	56	-0.3	No
R3450	GF	SE	295061.9	1247448.9	Residential	85	59	59	60	60	60	0.7	No
R3451	GF	W	295049.1	1247789.9	Residential	85	57	57	55	55	56	-1.1	No
R3452	GF	W	295049.7	1247333.6	Residential	85	64	64	64	64	64	0.0	No
R3454	GF	S	295061.4	1247235.1	Residential	85	65	65	65	65	65	0.1	No
R3457	GF	NW	295056.1	1247431.9	Residential	85	64	64	64	64	64	-0.1	No
R3459	GF	W	295054.4	1247350.2	Residential	85	64	64	64	64	64	0.0	No
R3466	GF	NW	295061.3	1247367.9	Residential	85	66	66	66	66	66	0.0	No
R3466	F 1	NW	295061.3	1247367.9	Residential	85	66	66	66	66	66	0.0	No
R3467	GF	S	295082.7	1247657.2	Residential	85	57	57	55	55	56	-0.7	No
R3467	F 1	S	295082.7	1247657.2	Residential	85	56	56	56	56	56	-0.3	No
R3468	GF	NW	295067.5	1247480.1	Residential	85	62	62	61	61	62	-0.2	No
R3468	F 1	NW	295067.5	1247480.1	Residential	85	64	64	64	64	64	0.0	No
R3469	GF	W	295065.0	1247269.2	Residential	85	66	66	66	66	66	0.1	No
R3470	GF	W	295066.2	1247762.5	Residential	85	58	58	56	56	56	-1.6	No
R3470	F 1	W	295066.2	1247762.5	Residential	85	58	58	56	56	57	-1.4	No
R3471	GF	NW	295071.7	1247441.6	Residential	85	65	65	64	64	64	-0.4	No
R3471	F 1	NW	295071.7	1247441.6	Residential	85	64	64	64	64	63	-0.4	No
R3475	GF	S	295078.6	1247238.9	Residential	85	64	64	64	64	64	0.1	No
R3476	GF	W	295070.0	1247710.2	Residential	85	58	58	56	56	56	-1.6	No
R3478	GF	NW	295072.5	1247383.5	Residential	85	65	65	65	65	65	0.0	No
R3481	GF	W	295073.7	1247302.2	Residential	85	67	67	67	67	67	0.0	No
R3482	GF	W	295075.4	1247284.3	Residential	85	67	67	67	67	67	0.0	No
R3482	F 1	W	295075.4	1247284.3	Residential	85	67	67	67	67	67	0.0	No
R3483	GF	SW	295077.9	1247454.9	Residential	85	64	64	63	63	63	-0.2	No
R3484	GF	W	295076.2	1247320.0	Residential	85	66	66	66	66	66	0.2	No
R3486	GF	SW	295079.3	1247538.3	Residential	85	61	61	60	60	60	-0.4	No
R3487	GF	SE	295088.5	1247623.3	Industrial	n/a	59	59	58	58	59	-0.3	No
R3488	GF	W	295081.5	1247749.7	Residential	85	58	58	56	56	57	-1.3	No
R3494	GF	NW	295084.5	1247394.8	Residential	85	64	64	64	64	64	0.0	No
R3494	F 1	NW	295084.5	1247394.8	Residential	85	66	66	66	66	66	0.0	No
R3494	GF	NW	295084.5	1247394.8	Residential	85	64	64	64	64	64	0.0	No
R3494	F 1	NW	295084.5	1247394.8	Residential	85	66	66	66	66	66	0.0	No
R3496	GF	W	295086.3	1247527.2	Residential	85	60	60	60	60	60	0.0	No
R3496	F 1	W	295086.3	1247527.2	Residential	85	63	63	63	63	63	0.0	No
R3498	GF	SE	295095.5	1247441.1	Residential	85	59	59	60	60	60	0.5	No
R3499	GF	W	295088.0	1247684.8	Residential	85	57	57	55	55	56	-1.2	No
R3499	F 1	W	295088.0	1247684.8	Residential	85	57	57	57	57	57	-0.6	No
R3503	GF	NW	295091.2	1247332.6	Residential	85	64	64	64	64	64	0.0	No
R3503	F 1	NW	295091.2	1247332.6	Residential	85	67	67	67	67	67	0.1	No
R3507	GF	NW	295092.5	1247350.4	Residential	85	65	65	65	65	65	0.1	No
R3507	F 1	NW	295092.5	1247350.4	Residential	85	67	67	67	67	67	0.1	No
R3509	GF	W	295095.4	1247726.2	Residential	85	58	58	56	56	57	-1.4	No
R3509	F 1	W	295095.4	1247726.2	Residential	85	55	55	54	54	54	-1.1	No
R3513	GF	SE	295106.7	1247394.6	Residential	85	58	58	58	58	58	0.1	No
R3517	GF	NW	295102.2	1247364.6	Residential	85	64	64	63	63	63	-0.1	No
R3520	GF	W	295104.7	1247414.0	Residential	85	62	62	62	62	62	0.0	No
R3523	GF	W	295106.6	1247536.1	Residential	85	57	57	55	55	55	-1.5	No
R3527	GF	NW	295114.8	1247503.7	Residential	85	58	58	58	58	58	-0.4	No
R3532	GF	NW	295119.4	1247376.0	Residential	85	60	60	59	59	59	-0.3	No
R3532	F 1	NW	295119.4	1247376.0	Residential	85	66	66	65	65	65	-0.1	No
R3535	GF	S	295131.2	1247533.5	Residential	85	58	58	58	58	58	-0.1	No
R3537	GF	SW	295124.8	1247397.3	Residential	85	59	59	59	59	59	-0.2	No
R3541	GF	SW	295125.5	1247472.8	Residential	85	57	57	56	56	57	-0.5	No
R3541	F 1	SW	295125.5	1247472.8	Residential	85	59	59	59	59	59	0.0	No
R3548	GF	SW	295131.8	1247641.2	Industrial	n/a	58	58	55	55	57	-0.9	No
R3550	GF	W	295133.1	1247499.1	Residential	85	58	58	56	56	57	-0.5	No
R3552	GF	S	295142.7	1247372.1	Residential	85	54	54	54	54	54	-0.1	No
R3556	GF	SW	295138.1	1247458.5	Residential	85	57	57	58	58	58	0.3	No
R3556	F 1	SW	295138.1	1247458.5	Residential	85	58	58	59	59	59	0.6	No
R3557	GF	S	295145.6	1247536.0	Residential	85	58	58	57	57	58	-0.1	No
R3561	GF	SW	295149.8	1247445.3	Residential	85	58	58	57	57	57	-0.4	No
R3561	F 1	SW	295149.8	1247445.3	Residential	85	61	61	61	61	61	-0.1	No
R3567	GF	W	295155.4	1247539.5	Residential	85	57	57	56	56	57	0.5	No
R3567	F 1	W	295155.4	1247539.5	Residential	85	60	60	60	60	60	-0.3	No
R3569	GF	W	295156.9	1247493.8	Residential	85	57	57	55	55	56	-0.5	No
R3570	GF	SW	295157.3	1247431.3	Residential	85	57	57	56	56	56	-0.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Coordinate (MGA56, X)	Coordinate (MGA56, Y)	Receiver type	Noise criteria (LAmax)	No build 2023 LAmax	No build 2033 LAmax	Build 2023 LAmax	Build 2033 LAmax	Build 2033 with wall LAmax	Increase (2033, with wall) Build-No build	Qualifies for additional mitigation?
R3577	GF	S	295172.6	1247480.5	Residential	85	56	56	54	54	56	-0.7	No
R3578	GF	S	295192.1	1247527.7	Residential	85	56	56	55	55	56	-0.5	No
R3579	GF	NW	295178.3	1247457.3	Residential	85	55	55	54	54	55	-0.4	No
R3579	F 1	NW	295178.3	1247457.3	Residential	85	57	57	57	57	57	0.0	No
R3586	GF	S	295192.3	1247485.1	Residential	85	57	57	55	55	56	-0.5	No
R3589	GF	NW	295191.7	1247472.5	Residential	85	56	56	54	54	55	-0.7	No
R3595	GF	SW	295209.4	1247490.8	Residential	85	57	57	56	56	56	-0.6	No
R3595	F 1	SW	295209.4	1247490.8	Residential	85	59	59	58	58	58	-0.4	No
R3597	GF	S	295219.2	1247519.4	Residential	85	56	56	55	55	55	-0.4	No
R3602	GF	S	295236.7	1247520.6	Residential	85	55	55	54	54	55	-0.4	No
R3602	F 1	S	295236.7	1247520.6	Residential	85	56	56	56	56	56	-0.1	No
R3609	GF	S	295255.1	1247516.5	Residential	85	55	55	53	53	54	-0.3	No

Appendix M – Operational noise contours (LAeq, Day)



Paper Size ISO A4

0 60 120 180 240

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Day) - No build 2023

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure M-1

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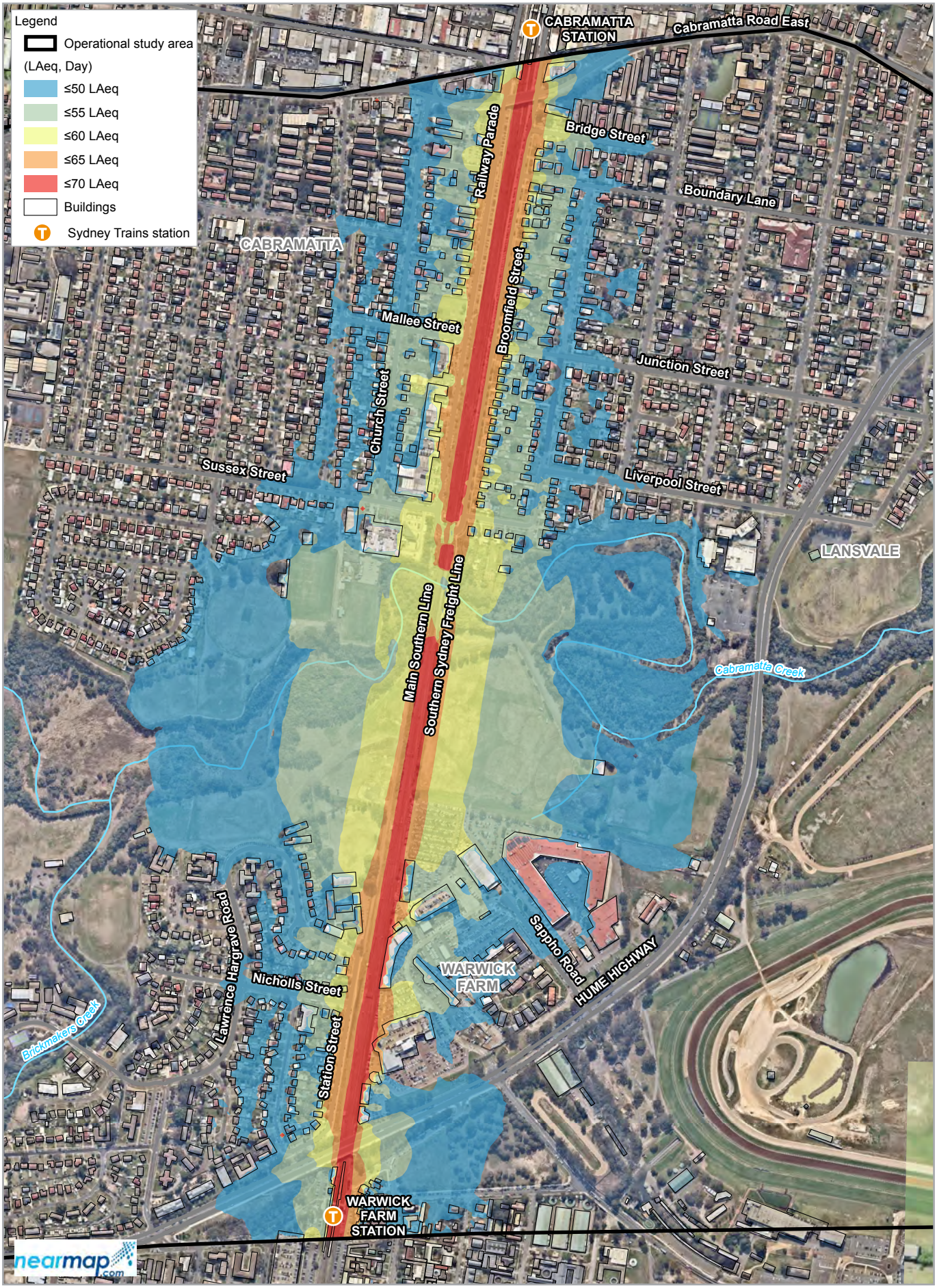

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Day) - Build 2023

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure M-2

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_M-O_0.aprx
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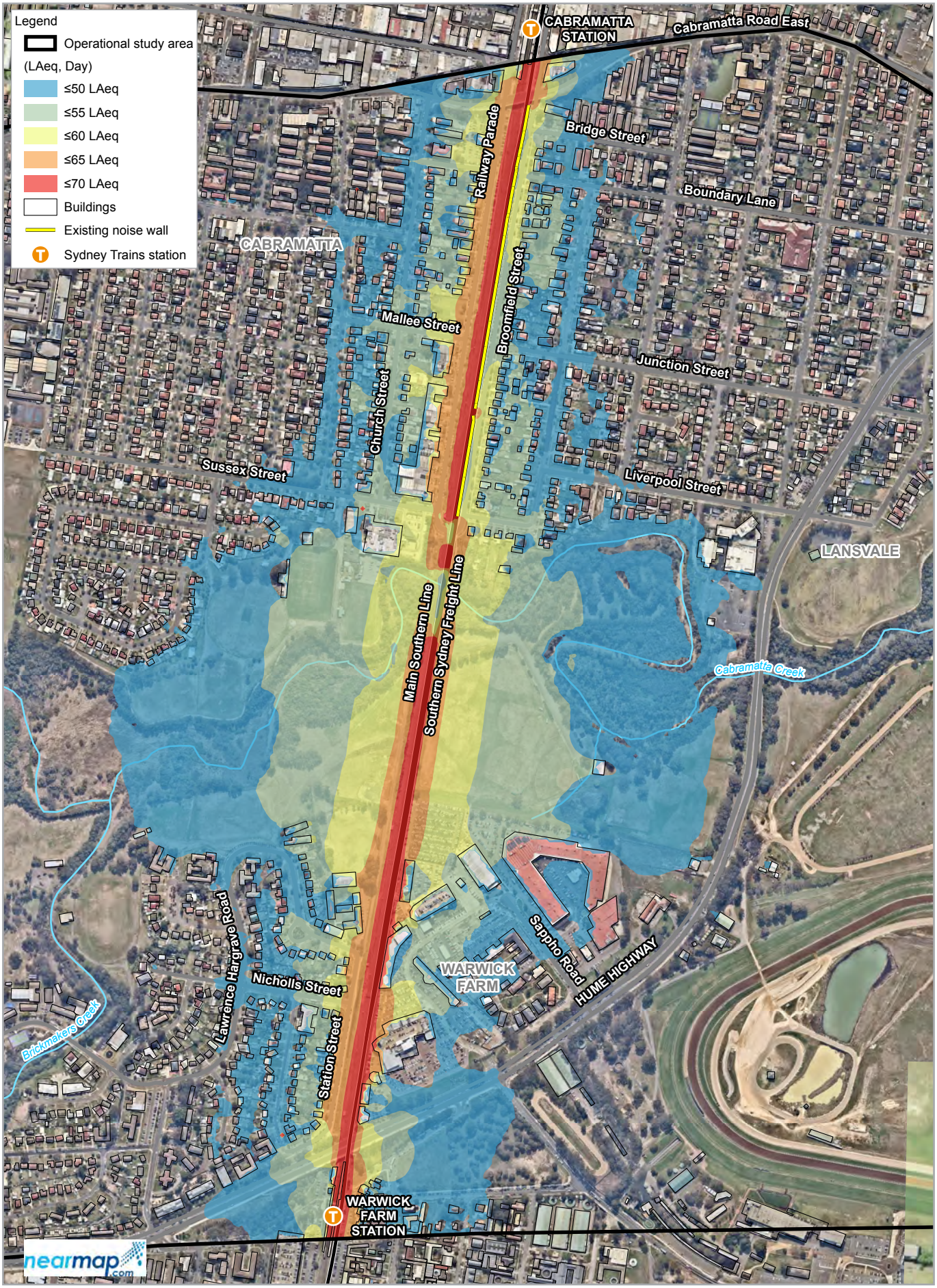

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Day) - No build 2033

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure M-3

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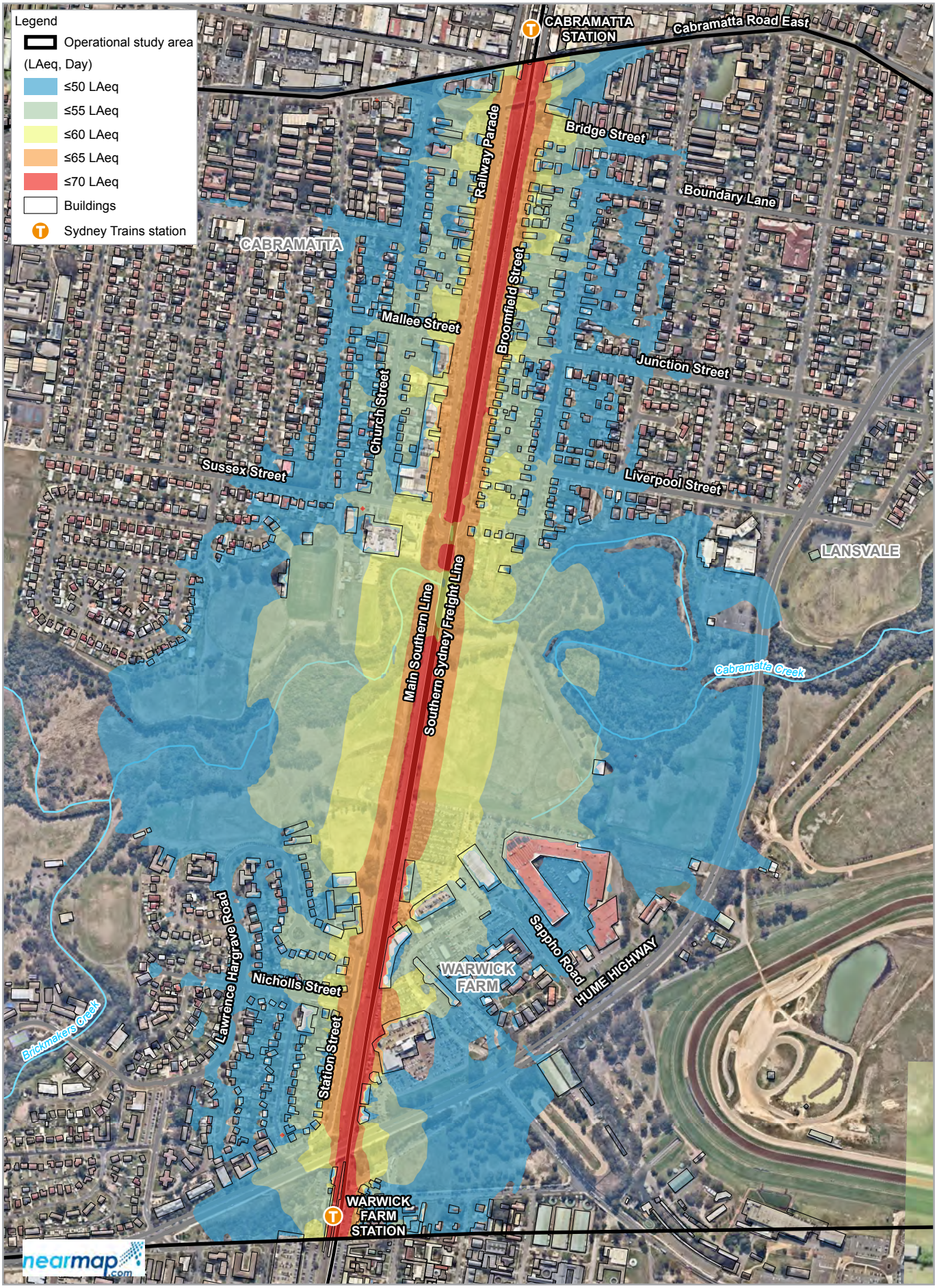

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Day) - Build 2033

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure M-4

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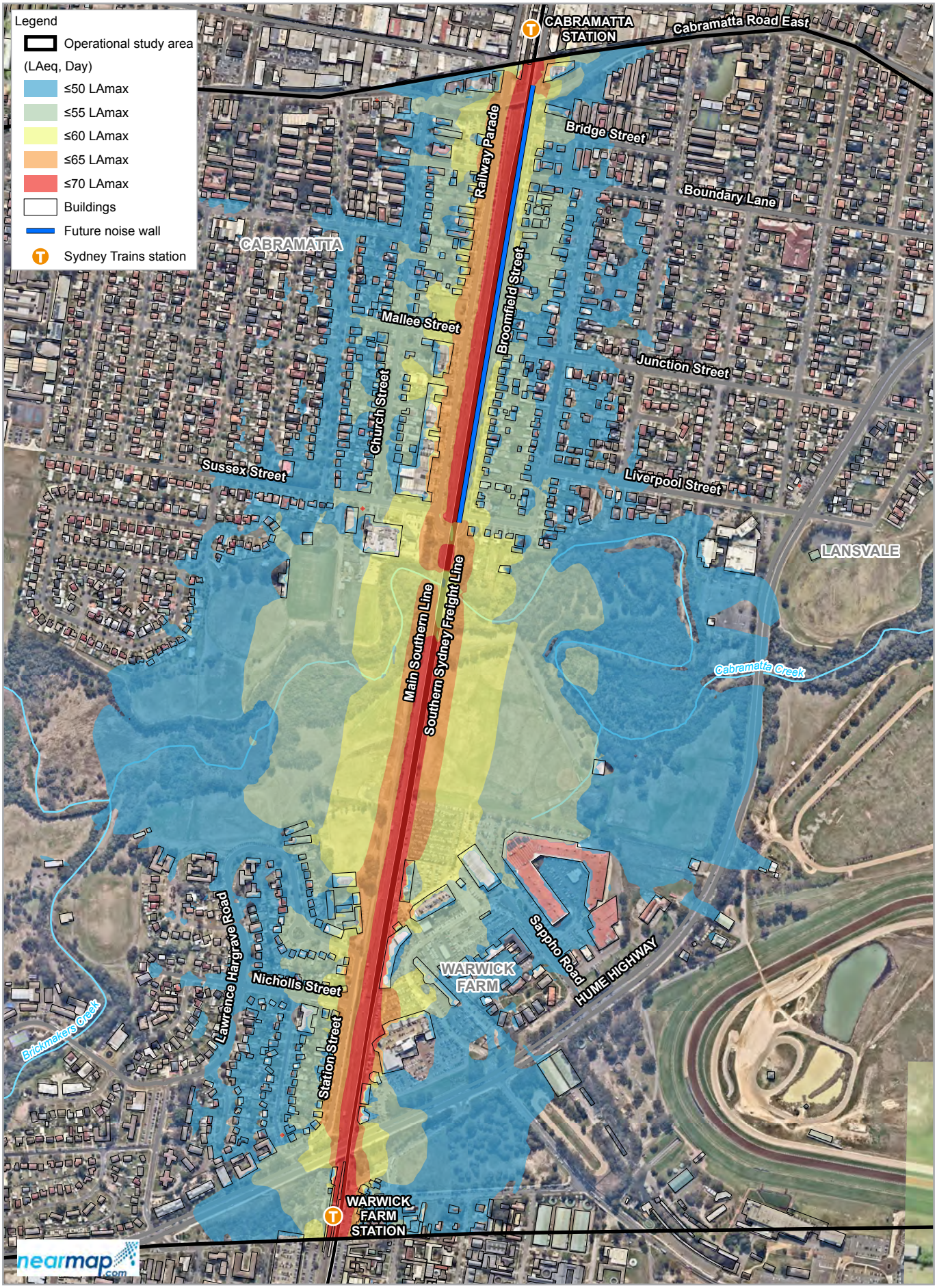

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Day) - Build 2033 (With wall)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure M-5

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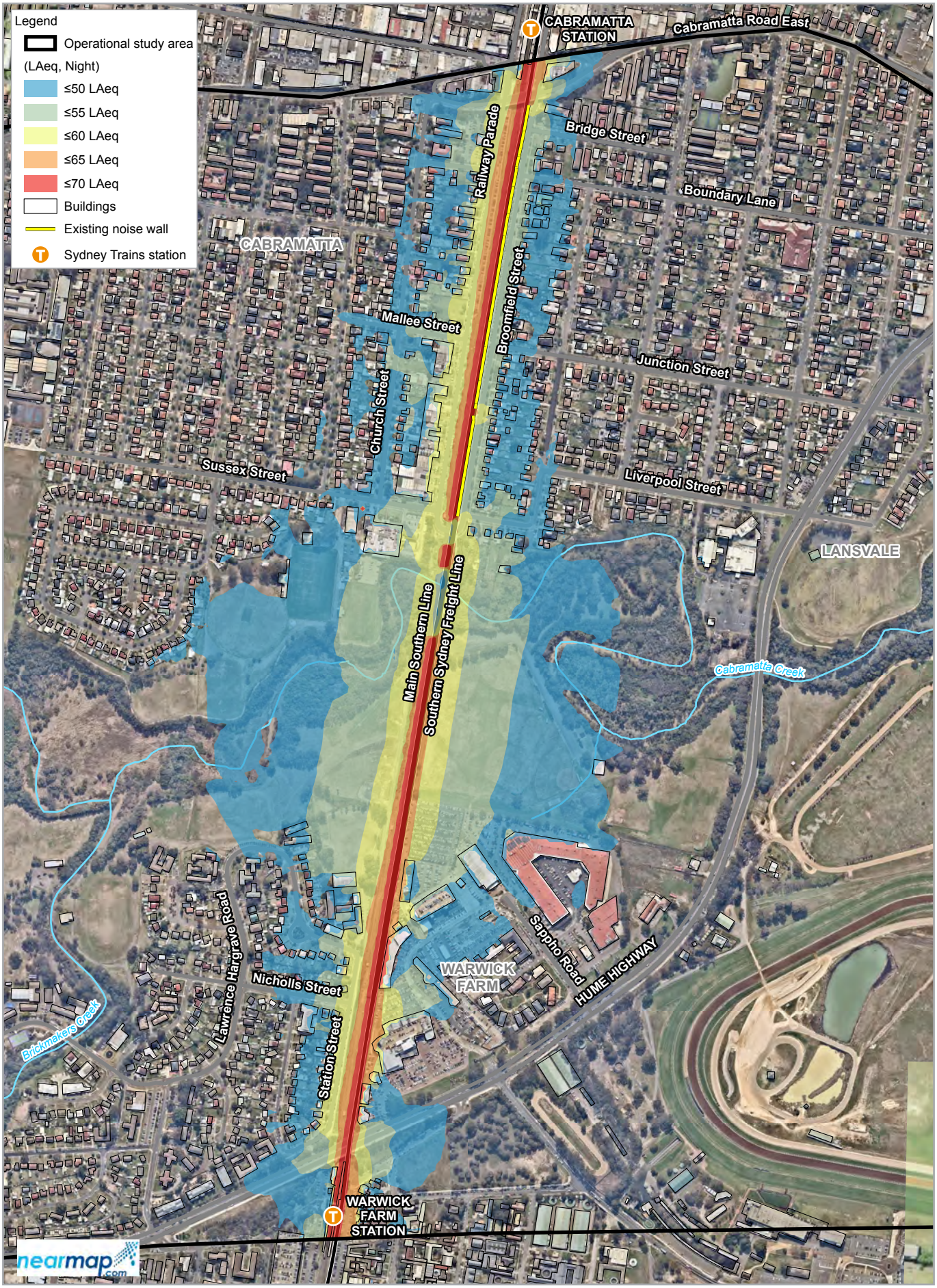
Print date: 11 Apr 2019 - 14:22

Data source: LPI: DTDB\DCDB, 2017. LPI_Imagery_Best: © Department of Finance, Services & Innovation 2017. Created by: tmorton

Appendix N – Operational noise contours (LAeq, Night)



Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Night) - No build 2023

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure N-1

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_M-O_0.aprx
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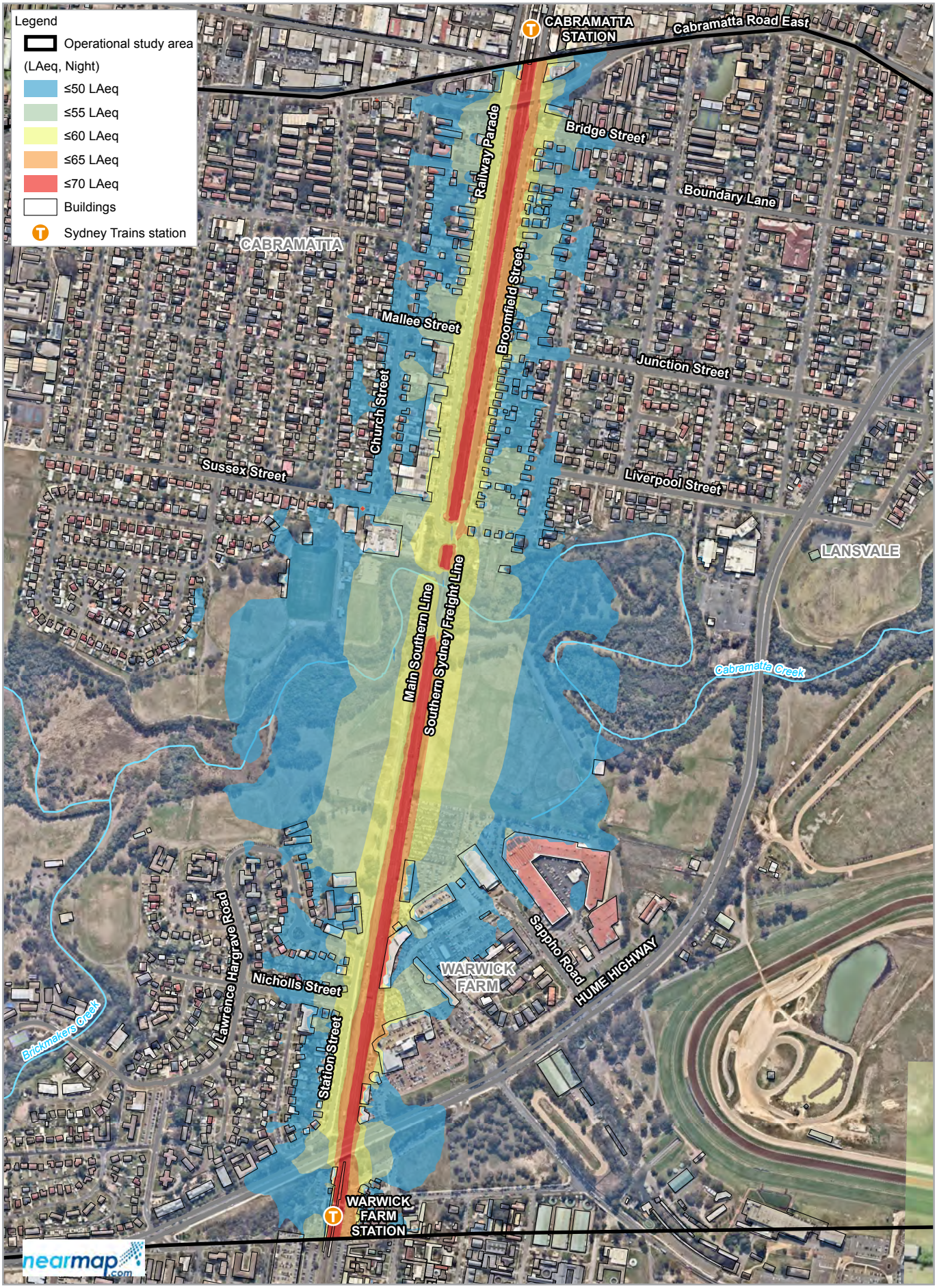

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Night) - Build 2023

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure N-2

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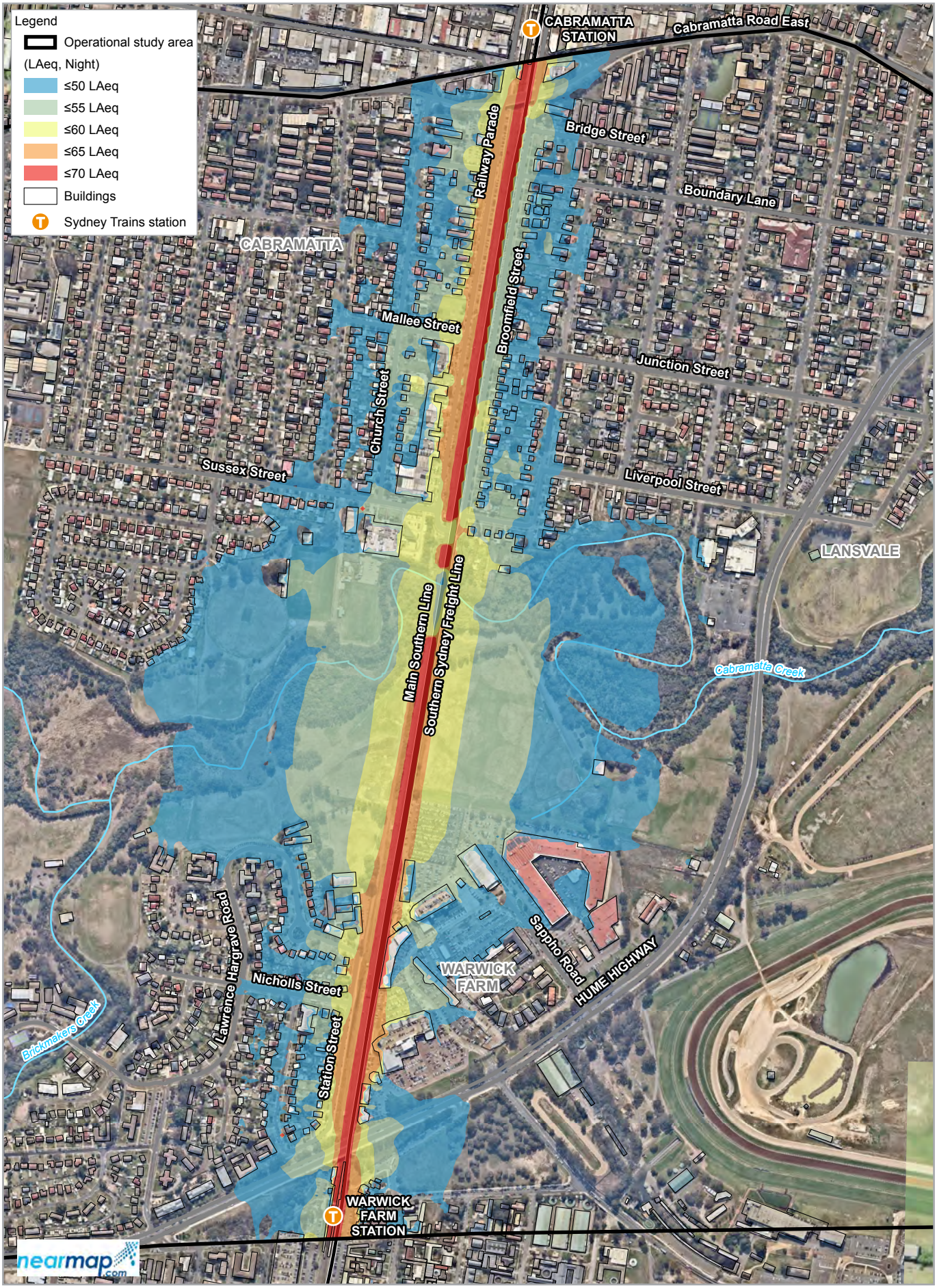

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. 22-19800
Revision No. 0
Date 11/04/2019

Operational noise contours (LAeq, Night) - No build 2033

Figure N-3

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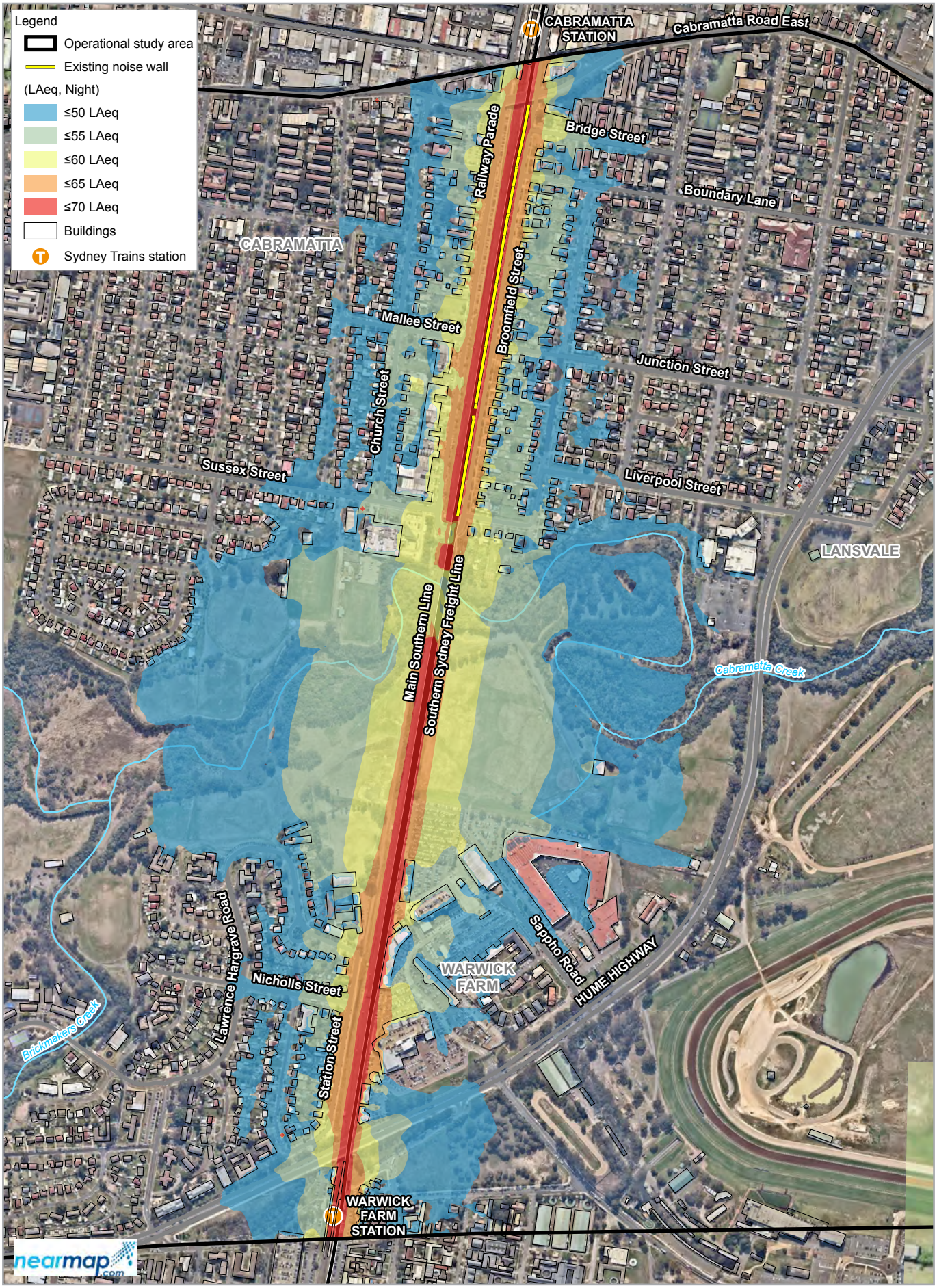

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Night) - Build 2033

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure N-4

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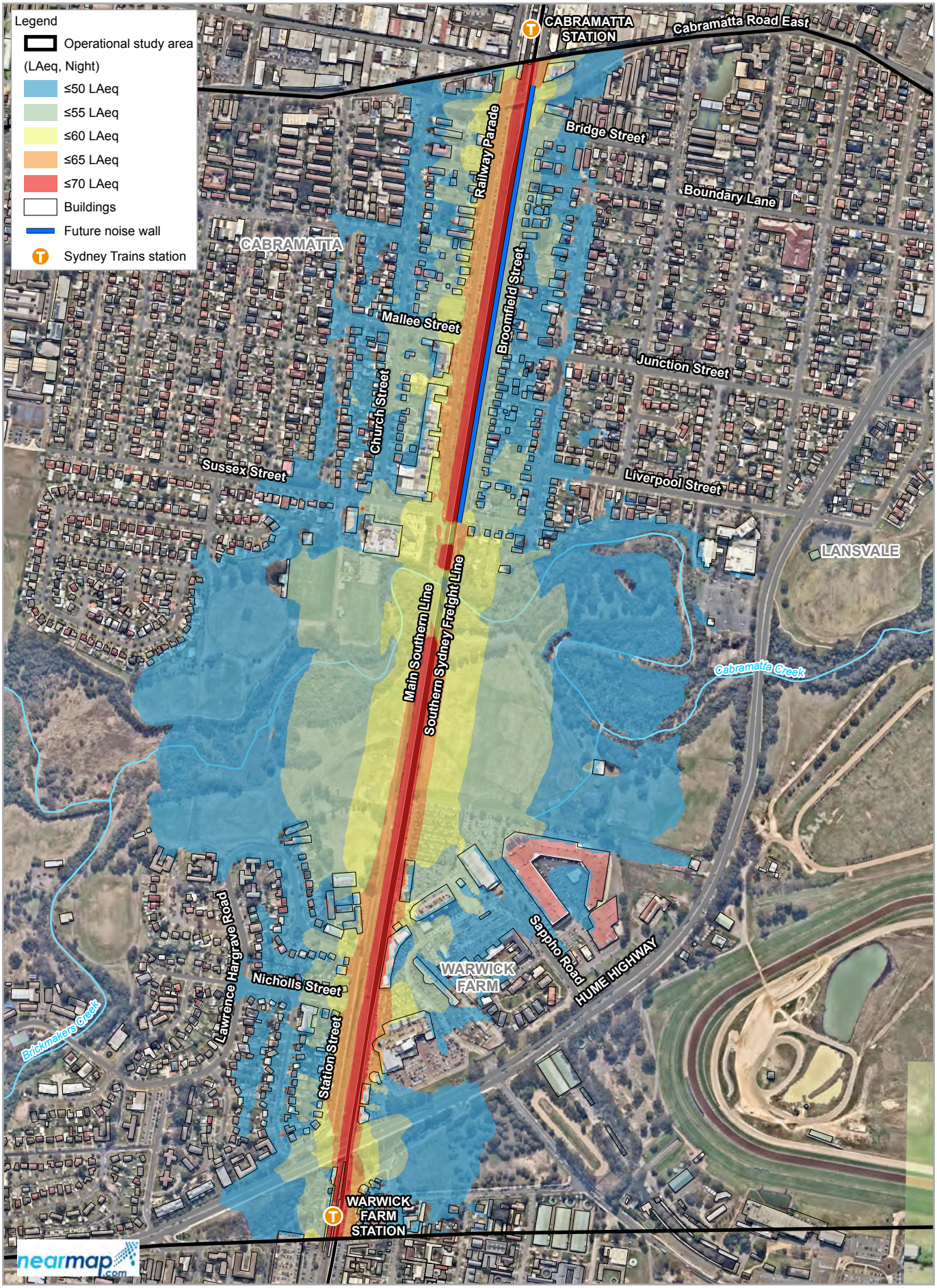

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

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Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAeq, Night) - Build 2033 (With wall)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure N-5

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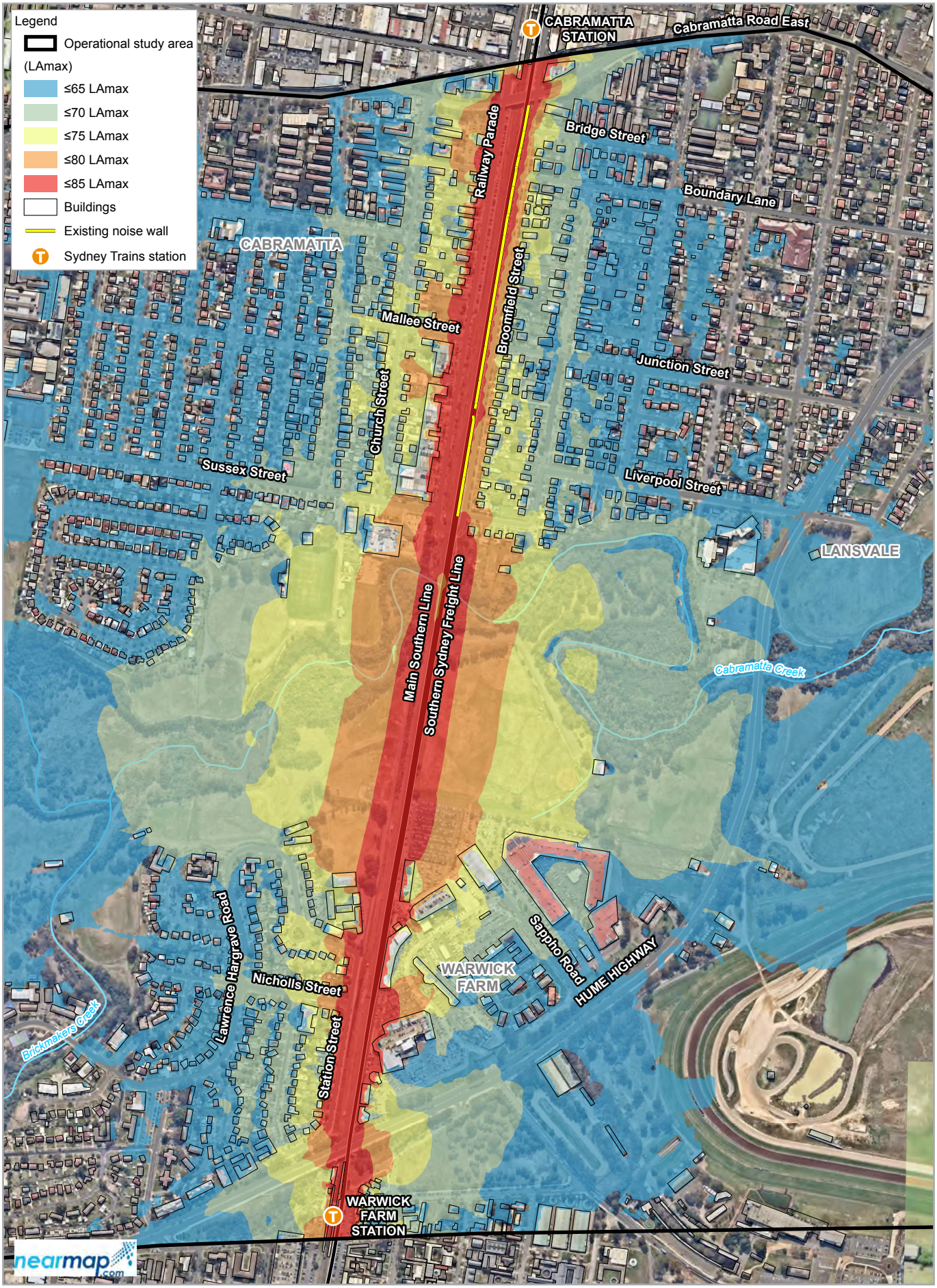
Appendix O – Operational noise contours (LAmax)



Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAmax) - No build 2023

Project No. 22-19800
Revision No. 0
Date 11/04/2019

Figure O-1

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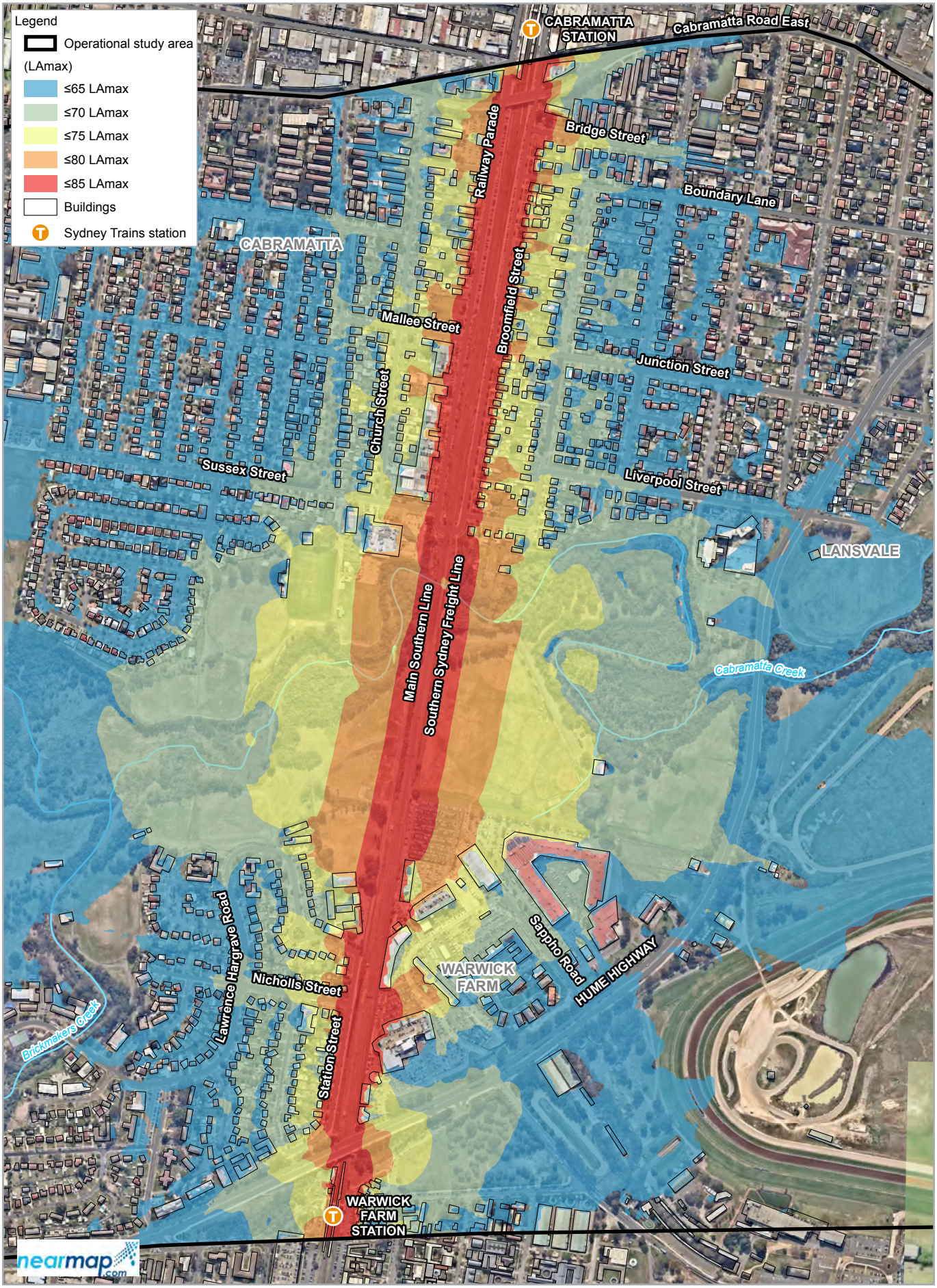

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAmax) - Build 2023

Project No. 22-19800
Revision No. 0
Date 11/04/2019

Figure O-2

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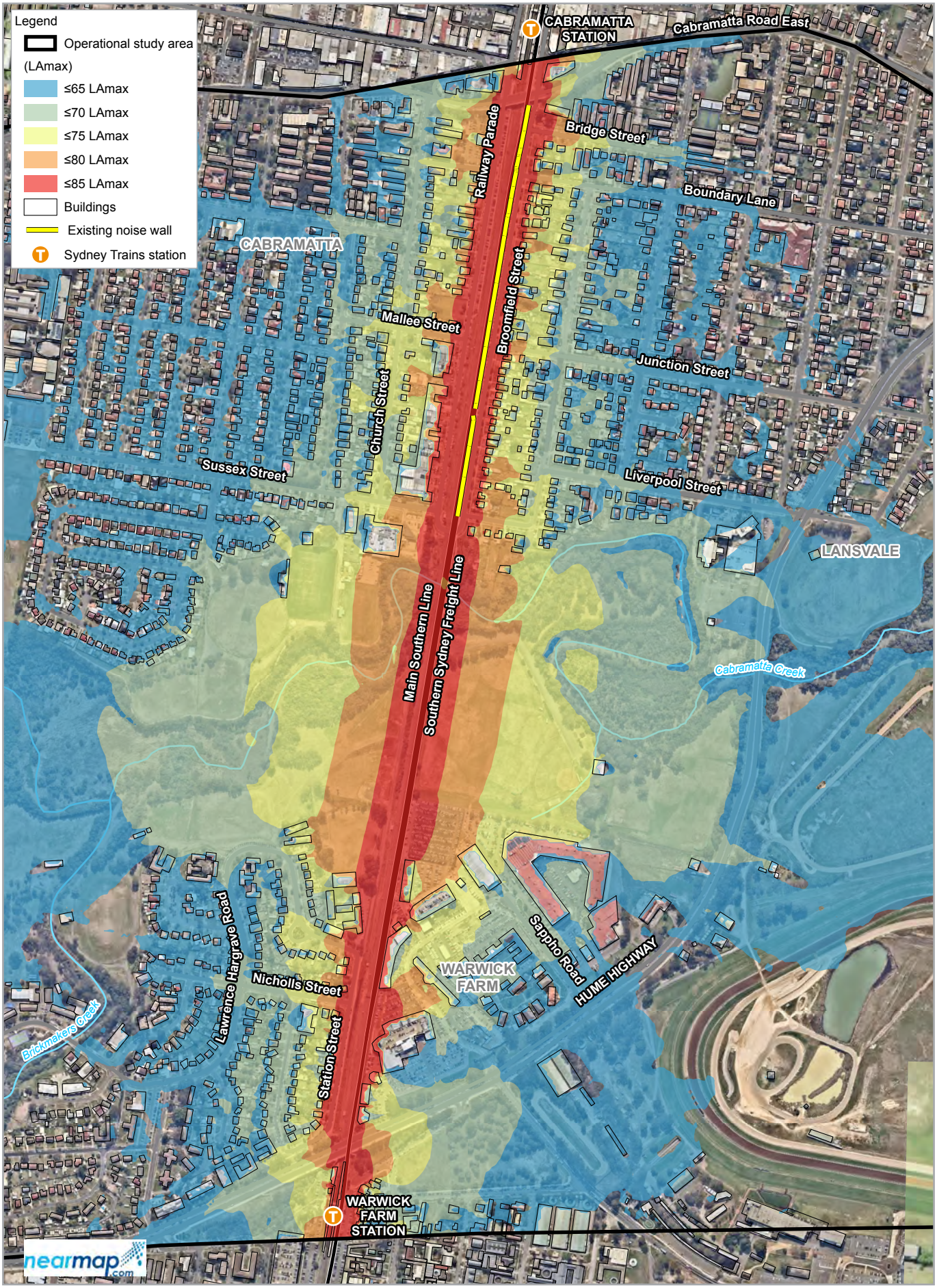

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAmax) - No build 2033

Project No. 22-19800
Revision No. 0
Date 11/04/2019

Figure O-3

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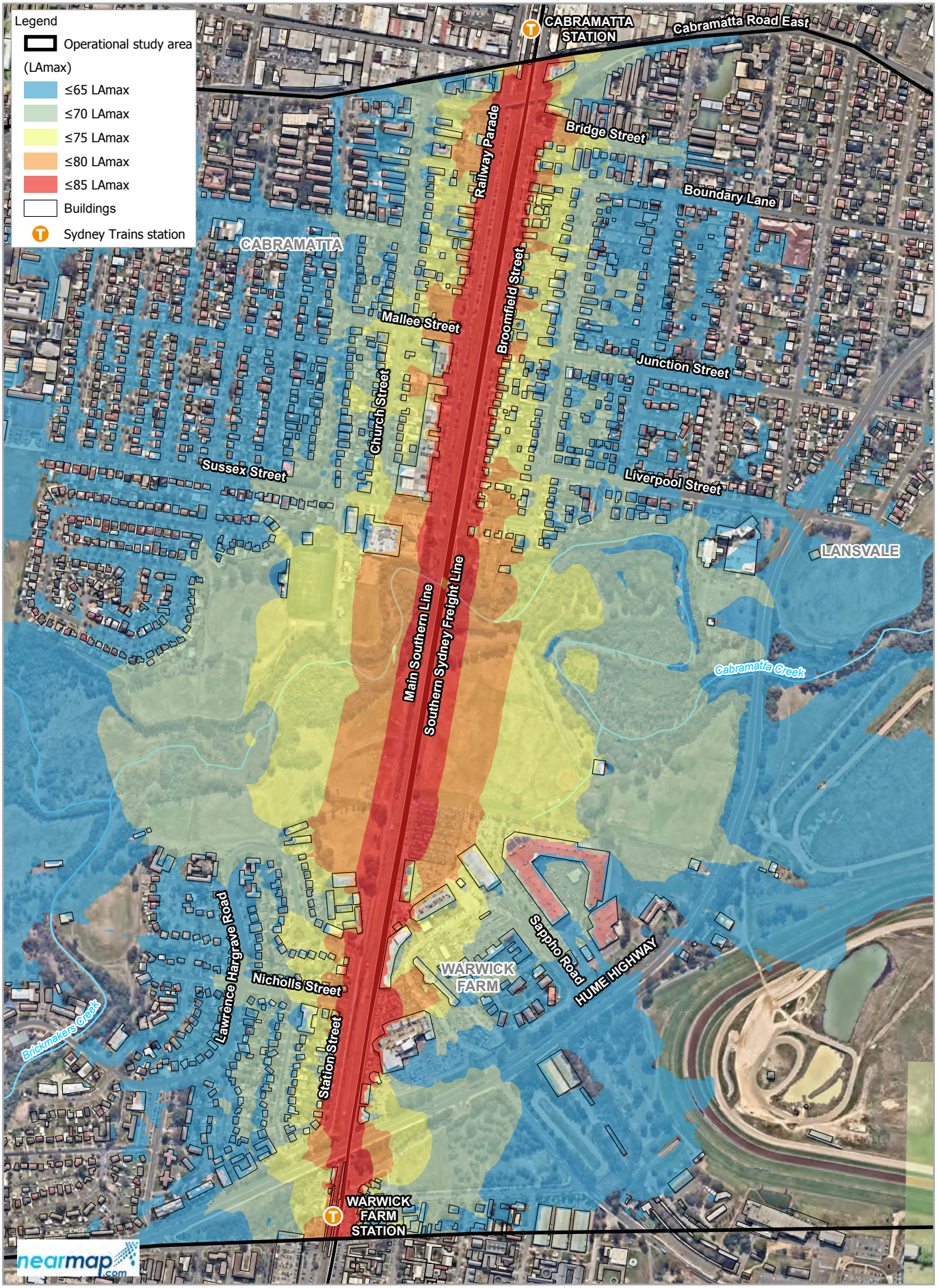

Paper Size ISO A4

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Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Project No. 22-19800
Revision No. 0
Date 11/04/2019

Operational noise contours (LAmax) - Build 2033

Figure O-4

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Print date: 11 Apr 2019 - 14:24

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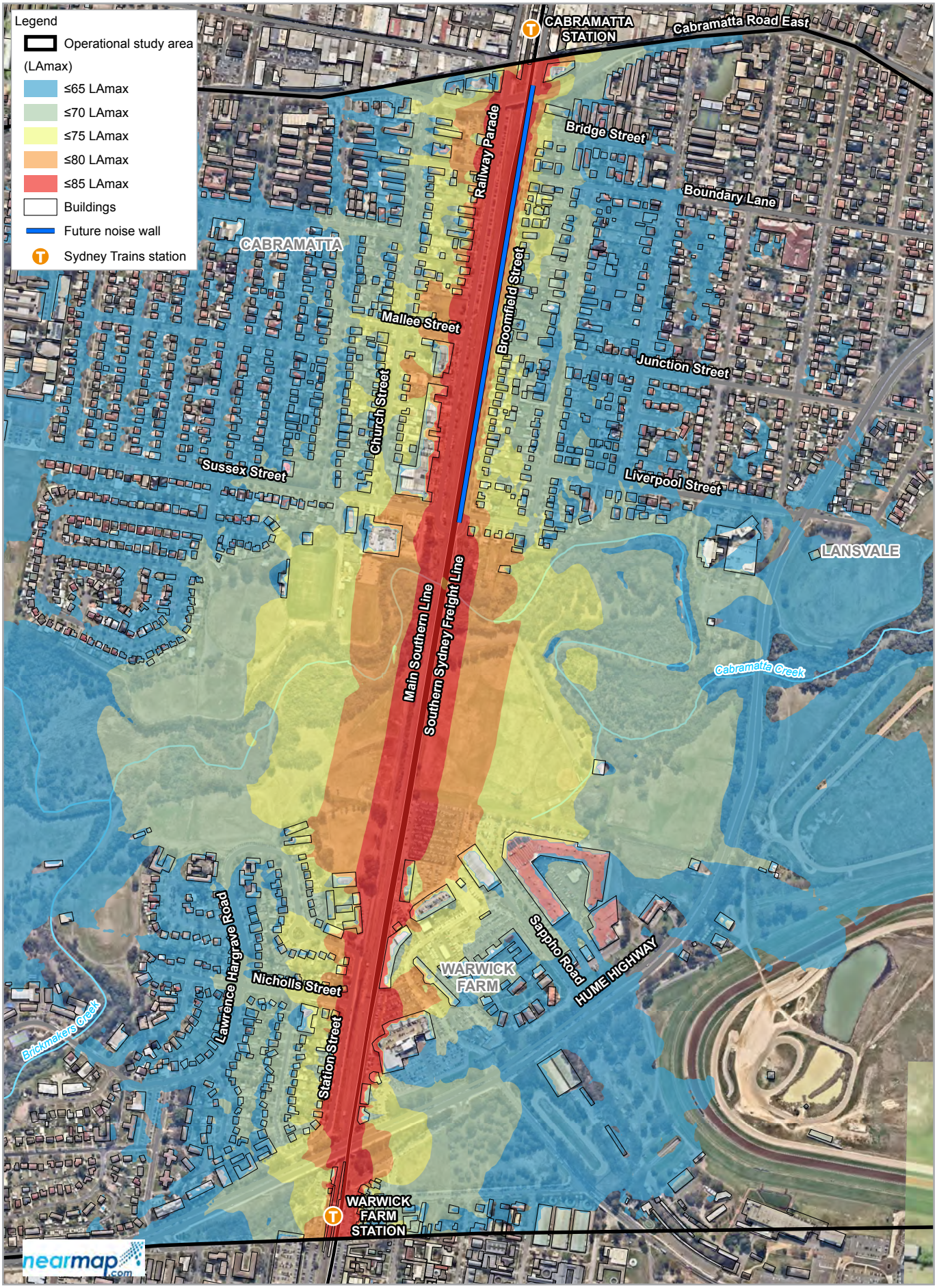

Paper Size ISO A4

0 60 120 180 240

Meters

Map Projection: Transverse Mercator
Horizontal Datum: Australian 1966
Grid: AGD 1966 ISG 56 1

N

GHD

Australia Rail Track Corp Ltd
Cabramatta Rail Loop
Noise and Vibration Impact Assessment

Operational noise contours (LAmax) - Build 2033 (With wall)

Project No. **22-19800**
Revision No. **0**
Date **11/04/2019**

Figure O-5

G:\22\19800\GIS\Maps\2219800_CabramattaLoop\Noise_Report_Appendix_M-O_0.aprx
\2219800_NVIA_O005_Operational_Contours_Build2033_WithWall_0
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2219800-11276/https://projects.ghd.com/oc/Sydney1/cabramattaloopprejec/Delivery/Documents/2219800-REP-A-Noise and Vibration Impact Assessment.docx

Document Status

Revision	Author	Reviewer		Approved for Issue		
		Name	Signature	Name	Signature	Date
2	P Pandey	E Milton		S Page		08/08/2019

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CABRAMATTA LOOP PROJECT

ENVIRONMENTAL IMPACT STATEMENT

VOLUME 2 — TECHNICAL REPORT