Appendix B3

Noise and Vibration Management Sub Plan

Infrastructure Works Stage 1

Parramatta Light Rail – Stage 1

May 2020

PLR1INF-CPBD-ALL-NV-PLN-000001 Rev 8

NSW GOVERNMENT

Noise and Vibration Management Sub-plan

Project Name: Parramatta Light Rail Stage 1
Infrastructure Contract

Project number	N81080
Document number	PLR1INF-CPBD-ALL-NV-PLN-000001
Revision date	1/5/2020
Revision	8

Rev.	Date	Prepared By	Reviewed By	Approved By	Remarks
A	03/03/2019	B. Cole	D. Corish	M. Harvey	nil
B	08/04/2019	P. Monsted	D. Corish	M. Harvey	nil
0	08/04/2019	P. Monsted	D. Corish	M. Harvey	nil
1	04/06/2019	P. Monsted	D. Corish	M. Harvey	nil
2	05/08/2019	P. Monsted	D. Corish	D. Jackson	nil
3	13/08/2019	P. Monsted	D. Corish	D. Jackson	nil
4	15/08/2019	P. Monsted	D. Corish	D. Jackson	nil
5	15/08/2019	P. Monsted	D. Corish	D. Jackson	nil
6	8/11//2019	P. Monsted	D. Corish	D. Jackson	nil
7	10/02/2020	P. Monsted	P. Monsted	D. Jackson	nil
8	01/05/2020	P. Monsted	D. Corish	D. Jackson	nil

Details of Revision Amendments

Document Control

The Project Director is responsible for ensuring that this plan is reviewed and approved. The Project Director is responsible for updating this plan to reflect changes to the project, legal and other requirements, as required.

Amendments

Any revisions or amendments must be approved by the Project Director and/or client before being distributed / implemented.

Revision	Details
Rev A	Initial submission.
Rev B	Internal review.
Rev 0	First draft submitted to TfNSW and ER.
Rev 1	Incorporation of TfNSW / ER Rev 0 comments. Revision issued for external stakeholder consultation.
Rev 2	Second draft submitted to TfNSW and ER for ER endorsement.
Rev 3	Incorporation of AA comments and submitted to ER for endorsement.
Rev 4	Incorporation of ER comments and submitted to ER for endorsement.
Rev 5	Incorporation of ER endorsement and submitted to the DPIE for approval.
Rev 6	Incorporation of DPIE comments and ER endorsement letter qualifications. Submitted to the DPIE for approval.
Rev 7	Minor amendments following issue of Environmental Protection Licence 21347 and minor errors and omissions from Rev 6 raised by the AA.
Rev 8	Minor amendments following DPIE review of Rev 7.

THIS PAGE LEFT INTENTIONALLY BLANK

Contents

1 Introduction 1
1.1 Context 1
1.2 Background and project description 1
1.3 Infrastructure Works 4
1.4 Relationship with SOM 5
1.5 Scope of this sub-plan 5
1.6 Environmental Management Systems Overview 6
2 Purpose and objectives 9
2.1 Purpose 9
2.2 Objectives 9
2.3 Targets 9
3 Environmental requirements 10
3.1 Relevant legislation 10
3.2 Transport for NSW's Construction Noise and Vibration Strategy 10
3.3 Minister's Conditions of Approval 11
3.4 Revised Environmental Mitigation and Management Measures 38
3.5 Environmental Performance Outcomes 58
4 Consultation 60
5 Construction Hours of Work 61
5.1 Hours of Works 61
5.2 Works Outside of Standard Hours of Works (Out-of-Hours) 61
6 Construction Noise and Vibration Objectives 63
6.1 Construction noise and assessment objectives 63
6.2 Construction Noise Management Levels 63
6.3 Construction Ground-borne Noise Guideline 67
6.4 Construction Vibration criteria 68
7 Background noise and Noise Sensitive Receivers 72
7.1 Baseline noise and noise management levels 72
7.2 Precincts, Noise Catchment Areas and Surrounding Land Uses 75
7.3 Sensitive receivers 79
7.4 Heritage buildings 84
8 Environmental aspects and impacts 88
8.1 Environmental aspects 88
8.2 Environmental impacts 88
9 Construction noise and vibration assessment 94

9.1 Construction Noise and Vibration Impact Statements 94
10 Operational noise and vibration 95
10.1 Operational Noise and Vibration Assessment 95
11 Environmental control measures 96
11.1 Cumulative Impacts 96
11.2 Respite periods 96
11.3 Additional Noise and Vibration Mitigation Measures 97
11.4 Other Noise and Vibration Consultation Requirements 99
11.5 Hierarchy of Preferred Working Hours 100
11.6 Management and Mitigation Measures 101
12 Compliance management 124
12.1 Roles and responsibilities 124
12.2 Training 127
12.3 Inspection and monitoring 128
12.4 Monitoring and inspection schedule 134
12.5 Reporting 134
12.6 Auditing 147
12.7 Licences and permits 147
13 Review and improvement 148
13.1 Continuous improvement 148
13.2 Update and amendment 148
Appendix A – Out of Hours Work Protocol 149
Appendix B – Land Use Survey 150
Appendix C – Construction Works and Sound Power Levels for Construction Equipment 151
Appendix D – Predicted worst-case noise levels 154
Appendix E – Consultation Evidence 161
Appendix F – Acoustic Advisor and Environmental Representative Endorsement 176

Tables

Table 3-1: Minister's Conditions of Approval 11
Table 3-2: Revised environmental mitigation measures relevant to this NVMP 38
Table 3-3: Environmental Performance Outcomes relevant to this NVMP 58
Table 4-1: Summary of Consultation and Approval 60
Table 6-1: NMLs at Residential Receivers 64
Table 6-2: ICNG NMLs for Other Sensitive Receivers 65
Table 6-3: NMLs for Project Specific Other Sensitive Receivers 66
Table 6-4: RNP Criteria for Assessing Construction Vehicles on Public Roads 67
Table 6-5: Preferred and Maximum Vibration Dose Values for Intermittent Vibration 68
Table 6-6: Transient Vibration Guide Values - Minimal Risk of Cosmetic Damage 69
Table 6-7: Recommended minimum working distances from vibration intensive equipment 70
Table 7-1: Noise Management Levels at Residential Receivers 73
Table 7-2: Precincts, Noise Catchment Areas and Surrounding Land Uses 75
Table 7-3: Other Noise and Vibration Sensitive Receivers 79
Table 7-4: Heritage Items Identified Within Cosmetic Damage Minimum Safe Working Distance . 84
Table 8-1: Predicted Ground-borne Noise Impacts from Rockbreaking Activities 90
Table 8-2: Construction vibration assessment summary (assuming use of a large rock breaker) - Westmead precinct 92
Table 11-1: Noise and vibration management and mitigation measures 98
Table 11-2: Noise and vibration management and mitigation measures 102
Table 12-1: Ambient Noise Monitoring Locations 130
Table 12-2: Inspection and Monitoring Requirements 135
Table 12-3: Reporting Requirements 141

Figures

Figure 1-1: Parramatta Light Rail Stage 1 Route 2
Figure 1-2: Parramatta Light Rail Stage 1 Delivery Strategy 4
Figure 1-3: Relationship between SOM and INF 5
Figure 1-4: Environmental Management System 8
Figure 7-1: Site Plan and Monitoring Locations (Westmead, Parramatta and Camellia) 77
Figure 7-2: Site Plan and Monitoring Locations (Carlingford) 78

Glossary/Abbreviations

Abbreviations	Expanded text
AA	The Acoustics Advisor for the CSSI, as defined by Condition of Approval A26
AltA	Alternate Accommodation
Ambient noise	The all-encompassing noise associated within a given environment at a given time, usually composed of sound from all sources near and far
Attenuation	The reduction in the level of sound or vibration
CAP	Communication Action Plan
CEP	Communication and Engagement Management Plan
CEMP	Construction Environmental Management Plan
CNVIS	Construction Noise and Vibration Impact Statement
CoA	Condition of Approval
dBA	Decibels using the A-weighted scale measured according to the frequency of the human ear
DPIE	NSW Department of Planning, Industry and Environment (functions of the former Department of Planning and Environment and Planning and Office of Environment and Heritage (OEH) are now administered by the Department of Planning, Industry and Environment)
EIS	Environmental Impact Statement
EMS	Environmental management system
Environmental aspect	Defined by AS/NZS ISO 14001:2015 as an element of an organisation's activities, products or services that can interact with the environment
Environmental impact	Defined by AS/NZS ISO 14001:2015 as any change to the environment, whether adverse or beneficial, wholly or partially resulting from an organisation's environmental aspects

Abbreviations	Expanded text
Environmental objective	Defined by AS/NZS ISO 14001:2015 as an overall environmental goal, consistent with the environmental policy, that an organisation sets itself to achieve
Environmental target	Defined by AS/NZS ISO 14001:2015 as a detailed performance requirement, applicable to the organisation or parts thereof, that arises from the environmental objectives and that needs to be set and met to achieve those objectives
EPA	NSW Environment Protection Authority
EP&A Act	*Environmental Planning and Assessment Act 1979*
ER	Environmental Representative
ECM	Environmental Control Map
Feasible and reasonable	Consideration of best practice taking into account the benefit of proposed measures and their technological and associated operational application in the NSW and Australian context. Feasible relates to engineering considerations and what is practical to build. Reasonable relates to the application of judgement in arriving at a decision, taking into account mitigation benefits and cost of mitigation versus benefits provided, community views and nature and extent of potential improvements
Highly Noise Affected	Activities that result in a noise level that exceed 75 dB(A)
High Noise Impact activity or works	Means jack hammering, rock breaking or hammering, pile driving, vibratory rolling, cutting of pavement, concrete or steel or other work occurring on the surface that generates noise with impulsive, intermittent, tonal or low frequency characteristics
JV, the	CPB Contractors and Downer EDI Works Joint Venture
LAeq (15min)	The A-weighted equivalent continuous (energy average) A-weighted sound pressure level of the construction works under consideration over a 15-minute period and excludes other noise sources such as from industry, road, rail and the community
LA (max)	The A-weighted maximum noise level only from the construction works under consideration, measured using the fast time weighting on a sound level meter
Noisy or Noise Affected	Activities that result in a noise level that exceed the Noise Management Level (see NML)

Abbreviations	Expanded text
NML	Noise Management Level Recommended Standard Hours - RBL + 10 dB Outside recommended standard hours - RBL + 5 dB
OEH	Former Office of Environment and Heritage. Relevant functions of the OEH are now administered by the Department of Planning, Industry and Environment
RBL	The Rating Background Level for each period is representative of the typical lowest ambient noise level not exceeded for more than 90% of the daytime, evening, or night-time period
REMMM	Revised Environmental Mitigation and Management Measure
SWP	Sound Power Level
SPIR	Submissions and Preferred Infrastructure Report
SPL	Sound Pressure Level
TCP	Traffic Control Plan
VMP	Site Vehicle Movement Plans

1 Introduction

1.1 Context

This Construction Noise and Vibration Management Sub Plan (NVMP or Sub-plan) forms part of the Construction Environmental Management Plan (CEMP) for Parramatta Light Rail Stage 1, Package 4 Infrastructure Works (Infrastructure Works). This NVMP has been prepared to address the requirements of the Minister's Conditions of Approval (CoA) SSI-8285, the revised environmental mitigation and management measures (REMMMs) and Environmental Performance Outcomes (EPO's) listed in *Parramatta Light Rail Stage 1 Westmead to Carlingford via Parramatta CBD and Camellia Environmental Impact Statement* (the EIS), as amended by the *Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Submissions Report (incorporating Preferred Infrastructure Report)* (February 2018) (the SPIR). In addition, this Sub-plan addresses all applicable legislation and contractual requirements, including the PLR Stage 1 Infrastructure Contract Project Deed (ISD-17-6721).

1.2 Background and project description

1.2.1 Parramatta Light Rail – Stage 1 description

Parramatta Light Rail is one of the NSW Government's major infrastructure projects being delivered to serve a growing Sydney.

Parramatta Light Rail Stage 1 (Stage 1) will connect Westmead to Carlingford via Parramatta Central Business District (CBD) and Camellia. Stage 1 is expected to be operational in 2023.

Stage 1 will create new communities, connect great places and help both local residents and visitors move around and explore what the region has to offer. The route will link Parramatta's CBD and train station to a number of key locations, including the Westmead Precinct, the Parramatta North Growth Centre, the new Western Sydney Stadium, the Camellia Town Centre, the new Powerhouse Museum and Riverside Theatre arts and cultural precinct, the private and social housing redevelopment at Telopea, the Rosehill Gardens Racecourse and the three Western Sydney University campuses.

In summary, the key features of Stage 1 include:

- A new dual track light rail network of approximately twelve (12) kilometres in length, including approximately seven (7) kilometres within the existing road corridor and approximately five (5) kilometres within the existing Carlingford Line and Sandown Line, replacing current heavy rail services
- Sixteen (16) stops that are fully accessible and integrated into the urban environment including a terminus stop at each end of Westmead and Carlingford
- High frequency 'turn-up-and-go' services operating seven days a week from 5am to 1am. Weekday services will operate approximately every 7.5 minutes in the peak period between 7am and 7pm
- Modern and comfortable air-conditioned light rail vehicles, nominally 45 metres long and driver-operated, each carrying up to 300 passengers.
- Intermodal interchanges with existing public transport services at Westmead terminus, Parramatta CBD and the Carlingford terminus
- Creation of two light rail and pedestrian zones (no general vehicle access) within the Parramatta CBD along Church Street (generally between Market Street and Macquarie Street) and along Macquarie Street (generally between Horwood Place and Smith Street)

- A Stabling and Maintenance (SaM) Facility located in Camellia for light rail vehicles (LRV) to be stabled, cleaned and maintained
- New bridge structures along the alignment including over James Ruse Drive and Clay Cliff Creek, Parramatta River (near the Cumberland Hospital), Kissing Point Road and Vineyard Creek, Rydalmere
- Alterations to the existing road network including line marking, additional traffic lanes and turning lanes, new traffic signals, and changes to traffic flows
- Relocation and protection of existing utilities
- Public domain and urban design works along the corridor and at Stop precincts
- Closure of the heavy rail line between Carlingford and Clyde
- Active transport corridors and additional urban design features along Sections of the alignment and within Stop precincts
- Integration with the Opal Electronic Ticketing System (ETS)
- Real time information in light rail vehicles and at Stops via visual displays and audio.

An overview of Parramatta Light Rail Stage 1 route is shown in **Figure 1-1**.

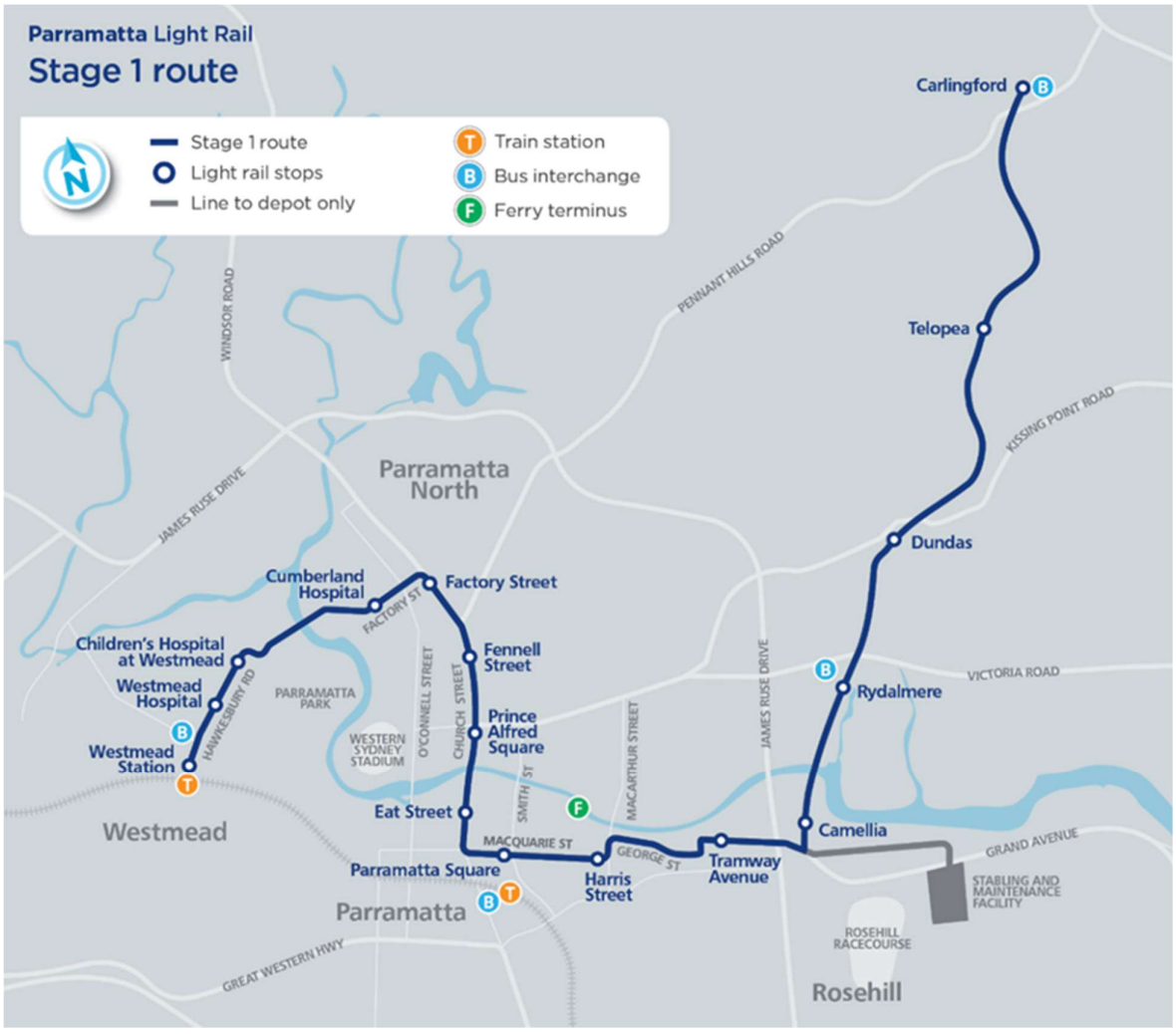


Figure 1-1: Parramatta Light Rail Stage 1 Route

1.2.2 Statutory Context

The Parramatta Light Rail is subject to environmental impact assessment under the *Environmental Planning and Assessment Act 1979* (EP&A Act). It is classified as Critical State Significant Infrastructure (CSSI). The EIS assessed impacts for Parramatta Light Rail Stage 1 (Westmead to Carlingford). This covered the light rail and associated works including road enabling work.

Stage 1 received Infrastructure Approval from the Minister for Planning under Section 5.19 of the EP&A Act on 29 May 2018 (Critical State Significant Infrastructure Application SSI-8285), subject to the conditions provided in the Instrument of Approval, specifically Schedule B – Ministerial Conditions of Approval.

The Infrastructure Approval was subsequently modified under Section 5.25 of the EP&A Act on 21 December 2018 and 25 January 2019.

The planning approval, modifications and related environmental assessment documents are located at: http://majorprojects.planning.nsw.gov.au/index.pl?action=view_job&job_id=8285.

1.2.3 Stage 1 Delivery Strategy

Delivery of Stage 1 is achieved through the following five packages of work:

- **Enabling Works (Package 1)** – Local road network improvements including O'Connell Street and George Street (off-alignment)
- **Westmead Precinct Works (Package 2)** – Hawkesbury Road widening and demolition at Cumberland Hospital (east and west Campus)
- **Early Works (Package 3)** – Remediation of the Stabling and Maintenance (SaM) Facility
- **Infrastructure Works (Package 4) (the subject of this Sub-plan)** – Design and construction of civil works, public domain and light rail infrastructure up to road level/top of rail and to the top of the concrete slab at stops, including provision of utility services (excluding high-voltage power supply and cabling for rail systems), and decommissioning of the T6 Carlingford Line
- **Supply, Operate and Maintain Works (Package 5)** – Design and construction of the light rail systems, high-voltage power supply and stops above slab level, the supply of light rail vehicles, and the design and construction of the SaM Facility, including all light rail operations, customer service and asset management.

Each package of work is to be delivered under separate contracts on behalf of the proponent Transport for NSW. While the packages will commence at different times under separate construction approvals, there will be periods during which the packages works will overlap. The interactions between the packages are shown in **Figure 1-2**.

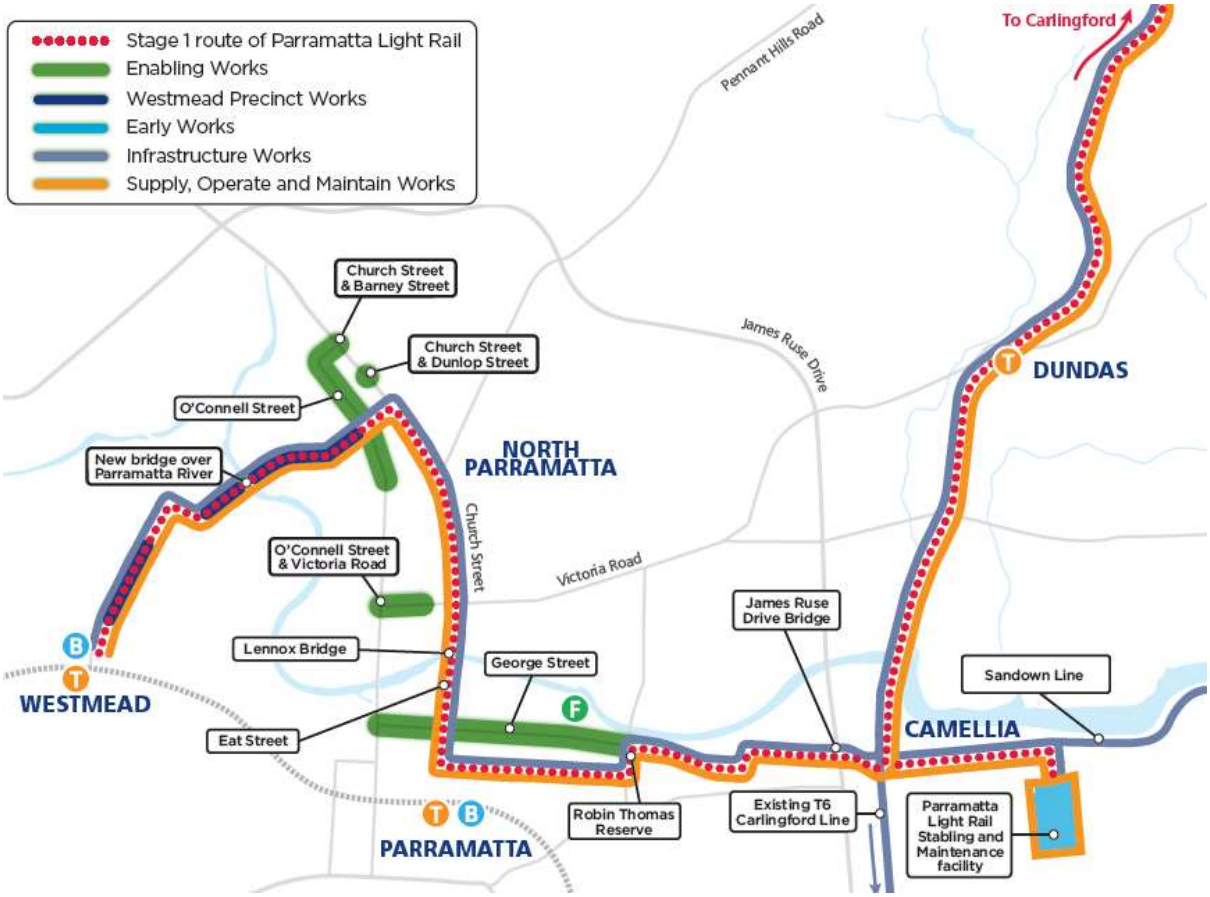


Figure 1-2: Parramatta Light Rail Stage 1 Delivery Strategy

1.3 Infrastructure Works

The CPB Contractors and Downer EDI Works Joint Venture (JV) has been engaged to deliver Package 4 – Infrastructure Works (INF).

In summary the Infrastructure Works include:

- Utility Services adjustment and relocation works (for more than minor impact)
- Property demolition to make space for the light rail tracks and ancillary facilities
- Decommissioning of the existing Carlingford T6 heavy rail line and disused Sandown Line
- Earthworks and retaining structures
- Drainage works
- Intersection signalling works
- The light rail civil infrastructure and Stop slabs
- Urban and architectural design and finishes of the corridor and public domain
- Rail, track slabs, ballasted track and grass tracks
- Footpath and kerb realignment including intersection works and road upgrades to accommodate light rail and other traffic (both temporary and permanent)
- New light rail bridges carrying the light rail over the Parramatta River (at Cumberland Hospital), James Ruse Drive, Vineyard Creek and Kissing Point Road and bridge strengthening and modifications to existing bridges as required

- Provision of the Active Transport Link for pedestrians and cyclists
- Staff and passenger facilities at each light rail terminus
- Rail/road interaction including traffic signals and road sharing
- Testing and commissioning of the Infrastructure Works.

1.4 Relationship with SOM

The Infrastructure Works is closely aligned to the Package 5, Supply, Operate and Maintain (SOM) Works which is being delivered by the Great River City Light Rail consortium. A graphical representation of the split in scope between the two packages is depicted in **Figure 1-3**.

The reasoning for dividing this work into two stages is to ensure that suitably qualified and experienced sub-contractors are in place for each specialised component; civil infrastructure, and operational systems. The Infrastructure Works will deliver the civil infrastructure components of Stage 1 and will not trigger the operational conditions with the exception of those that relate to detailed design.

An interface between the two Joint Ventures has been established to monitor cumulative impacts and the coordination of environmental complaints management, site management controls, and the delineation of incident reporting and non-conformance management. Opportunities to share information, materials and resources will also be explored to support an overall minimisation of noise and vibration impacts during construction (cumulative) and operation.

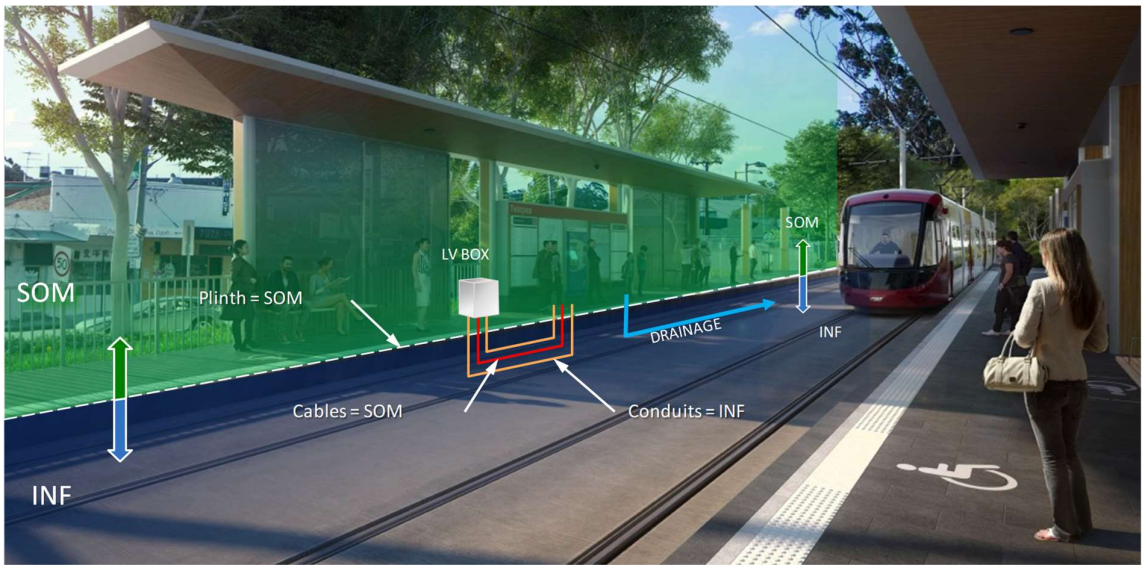


Figure 1-3: Relationship between SOM and INF

1.5 Scope of this sub-plan

This Sub-plan outlines the mitigation and management measures the CPB Contractors and Downer EDI Works Joint Venture (the JV) will use to address potential impacts to noise and vibration during design and construction of the Infrastructure Works, while complying with relevant approval, statutory and contract requirements. Sections 3.3, 3.4 and 3.5 provide compliance tables identifying where in this Sub-plan relevant requirements are addressed.

This Sub-plan is applicable to all activities during construction of the Infrastructure Works, including all areas where physical works will occur or areas that may be otherwise impacted by the construction works, and under the control of the JV. All the JV staff and sub-contractors are required to operate fully under the requirements of this Sub-plan and related environmental management plans, over the full duration of the construction program.

1.6 Environmental Management Systems Overview

The environmental management system (EMS) overview is described in Section 1.5 of the CEMP. The relationship between this Sub-plan and the CEMP is detailed in **Figure 1-4**. Key interactions for this Sub-plan with components of the EMS include:

- **The JV Environment and Sustainability Policy** – outlines the commitments and intentions established by the JV to ensure environmental performance and sustainability objectives and targets are achieved (Appendix A3 of the CEMP)
- **The CEMP** – This document details the processes and procedures to be implemented during the Infrastructure Works to comply with applicable CoA, REMMMs, EPOs, legislative obligations and contractual requirements
- **Environmental Management Sub-plans** – these documents describe procedures and controls for specific environmental aspects requiring more rigorous management strategies
- **Environmental Design Review Reports** – reports to accompany each design package that will demonstrate consideration of environmental impacts including, where relevant, noise and vibration impacts
- **Environmental Work Method Statements (EWMS)** – task-specific risk assessment prepared for high-risk construction activities with a focus on activities with significant environmental risks
- **Environmental Control Maps (ECMs)** – reflecting the outcomes of risk assessments, ECMs depict environmental risks and controls on site-specific maps
- **Geographic Information System (GIS)** – management of spatial data of key features of the alignment and relevant environmental constraints. Features include heritage items and sensitive receivers identified in the Land Use Survey amongst other site relevant features. The GIS forms the basis of Environmental Control Maps (ECMs)
- **Procedures, strategies and protocols** – detailed procedures.

Key interactions for this Sub-plan with other management plans and documents include:

- **Land Use Survey (CoA E20)** – current survey to identify sensitive receivers (including critical working areas such as operating theatres, precision laboratories housing sensitive equipment and drama theatres) potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration (included in Appendix B)
- **Out of Hours Works (OOHW) Protocol (CoA E28)** – outlines a process for the consideration, management and approval of works which are outside the permitted hours defined in Conditions CoA E21 to E22, where an EPL does not apply
- **Construction Noise and Vibration Impact Statements (CoA E42)** – site specific assessments which utilise information from the Land Use Survey to predict noise and vibration impacts of construction activities used to determine suitable mitigation measures
- **TfNSW Community Communication Strategy (CoA B1)** – provides the framework for communication and engagement for Stage 1 of the Parramatta Light Rail (PLR)
- **JV Community and Engagement Management Plan (CEP)** – details specific procedures and processes for community notification, consultation and complaints management for the Infrastructure Works
- **Heritage Management Sub-plan (Appendix B3 of the CEMP)** – details the management controls and requirements for managing potential vibration impacts on identified heritage items

- **Grey-headed flying fox Monitoring Program –** identifies safeguards, including for noise control in relation to the protection of the grey-headed flying fox camp within Parramatta Park
- **Safety Management Plan** – provides the framework including details of procedures and protocols to manage potential noise and vibration impacts to workers.

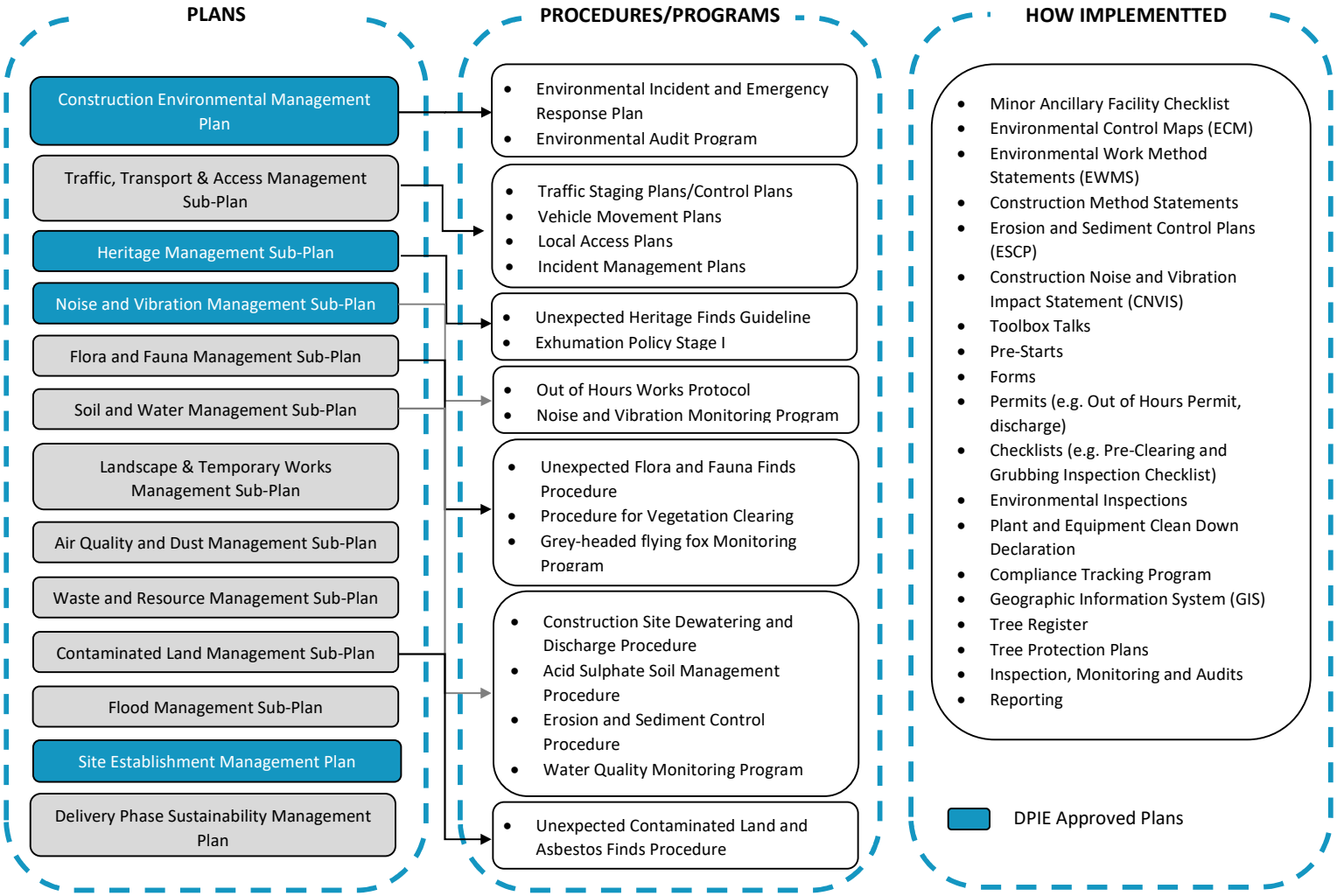


Figure 1-4: Environmental Management System

2 Purpose and objectives

2.1 Purpose

The purpose of this Sub-plan is to describe how the JV proposes to manage potential noise and vibration impacts during construction of the Infrastructure Works.

2.2 Objectives

The key objective of the NVMP is to ensure all CoA, REMMMs, EPOs and licence/permit requirements relevant to noise and vibration are described, scheduled and assigned responsibility as outlined in:

- Environmental Impact Assessment prepared for Parramatta Light Rail – Stage 1
- Submissions and Preferred Infrastructure Report prepared for Parramatta Light Rail – Stage 1
- Conditions of Approval granted to the project on 29 May 2018 and modifications
- PLR Stage 1 Infrastructure Contract Project Deed (Project Deed).

Additional objectives and strategies of the Sub-plan include:

- Minimise noise and vibration impacts to the community resulting from construction and operation
- Avoid any damage to buildings, utilities, heritage items and sensitive equipment from vibration during construction.

2.3 Targets

The following targets have been established for the management of noise and vibration impacts during the project:

- Comply fully with all relevant legislative requirements, CoA, REMMMs and EPOs
- Control noise and vibration at the source, on the source to receiver transmission path and at the receiver
- Meet the specific noise levels and vibration criteria as specified in the Planning approval
- No divergence from the noise management process
- No recurring or major exceedances of vibration goals for human comfort criteria
- Minimise noise levels with the aim of achieving the noise management levels where feasible and reasonable.

3 Environmental requirements

3.1 Relevant legislation

3.1.1 Legislation

All legislation relevant to this NVMP is included in Appendix A1 of the CEMP.

3.1.2 Guidelines

The main guidelines, specifications and policy documents relevant to this Sub-plan include:

- Australian Standard 2107-2000, Acoustics - Recommended design sound levels and reverberation times for building interiors
- Australian Standard 2187.2-2006, Explosives - Storage and use - Part 2 Use of explosives
- Australian Standard 2436-1981, Guide to Noise Control on Construction, Maintenance and Demolition Sites
- Australian Standard 2834-1995, Computer Accommodation, Chapter 2.9 Vibration
- British Standard 6472-2008, Evaluation of human exposure to vibration in buildings (1-80Hz)
- British Standard 7385.2-1993, Evaluation and measurement of vibration in buildings
- German Standard DIN4150-1999, Structural vibration Part 3: Effects of vibration on Structures
- IS Technical Manual Version 1.2, Infrastructure Sustainability Council of Australia (ISCA) 2016
- Noise Policy for Industry, NSW Environment Protection Authority 2017
- NSW Assessing Vibration – a technical guideline (AVTG), Department of Environment and Conservation 2006
- NSW Interim Construction Noise Guideline (ICNG), Department of Environment and Climate Change 2009
- NSW Road Noise Policy, Department of Environment, Climate Change and Water 2011
- Transport for NSW's Construction Noise and Vibration Strategy (7TP-ST-157/4.0)
- Transport for NSW's Construction Noise Estimation Tool (9TP-FT-150).

3.2 Transport for NSW's Construction Noise and Vibration Strategy

Transport for NSW's Construction Noise and Vibration Strategy (CNVS) is a key reference document for the development of this Sub-plan that is referred to by the Planning Approval and the Submissions and Preferred Infrastructure Report. The CNVS provides a framework for the assessment of impacts and standard, source and path mitigation measures that must be implemented relevant to infrastructure construction works.

The mitigation measures in Tables 4, 5, 6 and 7 of the CNVS have been referenced in the development of the mitigation and management measures in Section 11.

3.3 Minister's Conditions of Approval

The CoA relevant to this Sub-plan are listed **Table 3-1** below. A cross reference is also included to indicate where the condition is addressed in this Sub-plan or other project management documents.

Table 3-1: Minister's Conditions of Approval

CoA No.	Condition Requirements	Document Reference	How Addressed
A1	The CSSI must be carried out in accordance with the terms of this approval and generally in accordance with the description of the CSSI in the Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Environmental Impact Statement (dated August 2017) (the EIS) as amended by (a) the Parramatta Light Rail (Stage 1) Westmead to Carlingford via Parramatta CBD and Camellia Submissions Report (incorporating Preferred Infrastructure Report) (February 2018) (the SPIR); (b) SSI 8285 Administrative modification (November 2018) (MOD 1); and (c) SSI 8285 Correction to Administrative modification (January 2019) (MOD 2).	Section 3.3 Section 3.4	Compliance tables demonstrate where and how the terms of the Planning Approval (based on the consolidated conditions following MOD 2) and the REMMMs in the SPIR have been addressed in this Sub-plan.

CoA No.	Condition Requirements	Document Reference	How Addressed
A5	Where the terms of this approval require a document or monitoring program to be prepared or a review to be undertaken in consultation with identified parties, evidence of the consultation undertaken must be submitted to the Secretary with the document or monitoring program or review. The evidence must include: (a) documentation of the engagement with the party(ies) identified in the relevant condition of approval before submitting the document for approval; (b) log of the points of engagement or attempted engagement with the identified party(ies) and a summary of the issues raised by the identified party(ies); (c) documentation of any follow-up with the identified party(ies), where feedback has not been provided, to confirm that the identified party(ies) has none or has failed to provide feedback after repeated requests; (d) outline of the issues raised by the identified party(ies) and how they have been addressed, including evidence that the party(ies) is satisfied the issues have been addressed; and (e) where there are outstanding issues raised by the identified party(ies) that have not been adopted, the reasons why they have not been/could not be adopted must be provided, including evidence of consultation with the relevant party(ies).	Section 4 Appendix E	Details of consultation carried out during the development of this Sub-plan is provided in Section 4 and Appendix E.

CoA No.	Condition Requirements	Document Reference	How Addressed
A18	The Proponent must use best endeavours to ensure that the duration of construction in any one location or zone, as defined to the Secretary's satisfaction, is such that any receiver is impacted by construction works for the minimum, reasonably practicable time. The Proponent must demonstrate the principles that would be adopted to minimise the duration of construction in zones as part of the Staging Report required by Condition A13.	Section 9.1	CNVIS will assess the potential impacts including duration. CNVIS will be used in the development of construction work procedures.
A26	A suitably qualified and experienced Acoustics Advisor (AA) must be engaged for the duration of construction and for no less than six months following completion of construction of the CSSI. The AA must provide a statutory declaration to the Secretary that they are independent of the design and construction personnel. The Proponent must cooperate with the AA by: (a) Providing access to noise and vibration monitoring activities as they take place; (b) Providing for review noise and vibration plans, assessments, monitoring reports and data analyses undertaken; and (c) Considering any recommendations to improve practices and demonstrating, to the satisfaction of the AA, why any recommendation is not adopted.	Section 12.1.2	A suitably qualified and experienced Acoustics Advisor has been appointed to the Project and has been approved by the DPIE. The AA has demonstrated independence to the design and construction personnel on the Project.

CoA No.	Condition Requirements	Document Reference	How Addressed
A27	The AA must meet the following minimum requirements: (a) Relevant experience in the last ten years as a senior acoustic specialist on major infrastructure projects, including a fieldwork and construction management component; (b) Tertiary qualifications in an acoustic related discipline or equivalent experience; and (c) Proven understanding and application of NSW State and local legislation, relevant Australian standards, NSW environmental regulatory requirements and implementation of noise mitigation and environmental best practice.	Section 12.1.2	A suitably qualified and experienced Acoustics Advisor has been appointed to the Project. The AA has been approved by the DPIE.
A28	The Proponent must notify the Department in writing on the engagement of the AA including demonstrating the requirements of Conditions A26 and A27.	Section 12.1.2	The engagement of an AA was communicated to the Department. The AA has been approved by the DPIE.
A29	The AA must: (a) receive and respond to communication from the Secretary about the performance of the CSSI in relation to noise and vibration; (b) consider and inform the Secretary on matters specified in the terms of this approval relating to noise and vibration;	Section 12.1.2	The responsibilities of the AA are outlined in Section 12.1.2.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(c) consider and recommend, to the Proponent, improvements that may be made to work practices to avoid or minimise adverse noise and vibration impacts;	Section 9.1 Section 12.1.2 Section 12.4	The AA will be provided with opportunities to recommend improvements that may be made to work practices through the review and endorsement of CNVIS, monitoring the implementation of all noise and vibration documents or during conflict resolution of issues between the JV and the community.
	(d) consider consultation outcomes with affected receivers to determine the adequacy of noise mitigation and management measures including work hours and respite periods;	Section 11.4	The consultation outlined in Section 11.4 will inform the Projects mitigation and management measures. Communication Action Plans and Consultation Records will be made available to the AA. These measures will be revised as necessary.
	(e) review all noise and vibration documents required to be prepared under the terms of this approval and, should they be consistent with the terms of this approval, endorse them before submission to the Secretary (if required to be submitted to the Secretary) or before implementation (if not required to be submitted to the Secretary);	Section 12.1.2	The following noise and vibration documents will be provided to the AA for review: • This Sub-plan • Land Use Survey (Section 12.3.1) • Building Condition Survey (Section 12.3.2) • Measurements of existing ambient vibration levels (Section 12.3.4) • CNVIS (Section 9.1) • Communication Action Plans and Consultation Records (Section 11.4) • Noise and Vibration Noise Complaint reports (CEMP Section 3.6.5) • Noise and Vibration Monitoring Report (Section 12.5).

CoA No.	Condition Requirements	Document Reference	How Addressed
	(f) regularly monitor the implementation of all noise and vibration documents required to be prepared under the terms of this approval to ensure implementation is in accordance with what is stated in the document and the terms of this approval; (g) in conjunction with the ER, the AA must:	Section 12.1.2	The JV will facilitate the AA to attend inspections, monitoring or audits as requested by the AA or Secretary.
	i) as may be requested by the Secretary, help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings, and site visits;	Section 12.1.2 Section 12.6	Audits will be undertaken in accordance with Section 12.6. The AA or Secretary will plan and attend these audits if required. The JV will attend and provide all information required to complete these audits.
	ii) if conflict arises between the Proponent and the community in relation to the noise and vibration performance during construction of the CSSI, follow the procedure in the Community Communication Strategy approved under Condition B3 of this approval to attempt to resolve the conflict, and if it cannot be resolved, notify the Secretary;	Section 12.1.2 TfNSW Community Communication Strategy approved under Condition B3	The JV will cooperate with the AA and provide all information required for the AA to assist in resolving conflicts between the Proponent, JV and the community.
	iii) consider relevant minor amendments made to the CEMP, relevant Sub-plans and noise and vibration monitoring programs that require updating or are of an administrative nature, and are consistent with the terms of this approval and the management plans and monitoring programs approved by the Secretary and, if satisfied such amendment is necessary, endorse the amendment. This does not include any modifications to the terms of this approval;	Section 12.1.2 Section 13.2	The continuous improvement process for this Sub-plan will involve determining any relevant minor amendments.

CoA No.	Condition Requirements	Document Reference	How Addressed
	iv) assess the noise impacts of minor construction ancillary facilities; and (h) prepare and submit to the Secretary and other relevant regulatory agencies, for information, a monthly Noise and Vibration Report detailing the AAs actions and decisions on matters for which the AA was responsible in the preceding month (or another timeframe agreed with the Secretary). The Noise and Vibration Report must be submitted within seven days following the end of each month for the duration of construction of the CSSI, or as otherwise agreed with the Secretary.	Section 9.1	The potential impacts minor construction ancillary facilities will be assessed in CNVIS or using the TfNSW noise calculator where impacts are likely to be short term of low impact. These assessments will be provided to the AA for review and endorsement. Monthly Noise and Vibration Reports will be prepared by the AA and submitted to DPIE within seven days following the end of each month for the duration of construction of the CSSI, or as otherwise agreed with the Secretary. The JV will assist the AA in providing all documents, information and co-operation reasonably requested by TfNSW in relation to this reporting.
C3 (b)	The following CEMP Sub-plans must be prepared in consultation with the relevant government agencies identified for each CEMP Sub-plan and be consistent with the CEMP referred to in Condition C1: (b) Noise and vibration – Relevant Council(s), EPA, NSW Health – Secretary Approval	Section 4 Appendix E	The NVMP has been prepared in consultation with City of Parramatta Council, Cumberland Council, EPA and NSW Health. A summary of this consultation is provided in Section 4, and full details in Appendix E.
C4	The CEMP Sub-plans must state how: (a) The environmental performance outcomes identified in the documents listed in Condition A1 will be achieved;	Section 3.5	A compliance table demonstrates where and how the relevant environmental performance outcomes have been addressed in this Sub-plan.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(b) The mitigation measures identified in the documents listed in Condition A1 will be implemented;	Section 3.4	A compliance table demonstrates where and how the relevant mitigation measures have been addressed in this Sub-plan.
	(c) The relevant terms of this approval will be complied with; and	Section 3.3	A compliance table demonstrates where and how the relevant terms of the Planning Approval have been addressed in this Sub-plan.
	(d) Issues requiring management during construction, as identified through ongoing environmental risk analysis, will be managed.	Section 8 Section 11 The CEMP	Issues that require management during construction are outlined in Section 8 as well as their predicted impact. The process for quantitative risk assessment for the Project is outlined in the CEMP Section 1.5.1. CEMP Appendix A2 is the environmental risk register for the construction activities associated with the Project. The risk register is reviewed annually, at minimum, and in response to significant issues, incidents and non-compliances. The management of these risks has been outlined in Section 11. These will be implemented during pre-construction and construction phases of the Project.
C5	The CEMP Sub-plans must be developed in consultation with relevant government agencies (including Relevant Council(s)). Details of all information requested by an agency to be included in a CEMP Sub-plan as a result of consultation, including all copies of correspondence from those agencies, must be provided to the Secretary with the relevant CEMP Sub-plan.	Section 4 Appendix E	The NVMP has been prepared in consultation with City of Parramatta Council, Cumberland Council, EPA and NSW Health. A summary of this consultation is provided in Section 4, and full details in Appendix E.

CoA No.	Condition Requirements	Document Reference	How Addressed
C6	Any of the CEMP Sub-plans may be submitted along with, or subsequent to, the submission of the CEMP but in any event, no later than one month before construction.	Section 4	This NVMP will be submitted no later than one month prior to construction.
C8	Construction must not commence until the CEMP and any CEMP Sub-plan specified in Condition C3 have been submitted to or approved by the Secretary. The CEMP and CEMP Sub-plans submitted to or approved by the Secretary, including any minor amendments approved by the ER, must be implemented for the duration of construction. Where construction of the CSSI is staged, construction of a stage must not commence until the CEMP and Sub-plans for that stage have been submitted to or approved by the Secretary. *Note: the requirement to submit or have a CEMP or CEMP Sub-plan approved is specified in Condition C3.*	Section 4	Construction will not commence until this Sub-plan has been submitted to the Secretary and approved. Once approved, it will be implemented for the duration of construction.
C9	The following Construction Monitoring Programs must be prepared in consultation with the relevant government agencies for each to compare actual performance of construction of the CSSI against performance predicted in the documents listed in Condition A1 or in the CEMP: (b) Noise and Vibration Monitoring - Relevant Council(s), EPA, NSW Health (as relevant)	Section 4 Section 12.4	The Construction (Noise and Vibration) Monitoring Program has been prepared in consultation with City of Parramatta Council, Cumberland Council, EPA and NSW Health. A summary of this consultation is provided in Section 4, and full details in Appendix E.
C10	Each Construction Monitoring Program must provide: (a) details of baseline data available;	Section 12.3.3	Details of baseline data are addressed in Section 12.3.3 for construction noise.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(b) details of baseline data to be obtained and when;	Section 12.3.4 Section 12.3.5 Section 12.3.6	Ambient vibration monitoring will be undertaken at facilities with vibration sensitive scientific and medical equipment for a minimum of one week prior to the commencement of vibration intensive activities. The construction noise and vibration monitoring programs each include verification monitoring to assess the accuracy of predicted noise and vibration impacts at the commencement of new activities.
	(c) details of all monitoring of the project to be undertaken;	Section 12.3 Section 12.4	The construction noise and vibration monitoring programs are described in Section 12.3 and a schedule of the inspection and monitoring program is presented in Section 12.4.
	(d) the parameters of the project to be monitored;	Section 12.3	The parameters to be measured during the noise and vibration monitoring program are included in Section 12.3.
	(e) the frequency of monitoring to be undertaken;	Section 12.4	The timing and frequency of the noise and vibration monitoring program is included in the schedule of the inspection and monitoring program is presented in Section 12.4.
	(f) the location of monitoring;	Section 9.1 Section 12.3.5	Locations of out of hours or high impact noise and vibration works will be determined in the CNVIS relative to the location and activities being undertaken and access to properties. The locations of periodic noise monitoring is presented in Table 12-1 in Section 12.3.5.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(g) the reporting of monitoring results against relevant criteria;	Section 12.5	Details of the reporting of the noise and vibration monitoring program results is presented in Section 12.5.
	(h) procedures to identify and implement additional mitigation measures where results of monitoring are unsatisfactory; and	Section 12.3.5 Section 12.3.6	The construction noise and vibration monitoring programs each provide actions to be implemented in the event of exceedance of the predicted impacts.
	(i) any consultation to be undertaken in relation to the monitoring programs.	Section 4 Appendix E	The Noise and Vibration Monitoring Program for noise and vibration is included in this Sub-plan and was provided to EPA, NSW Health, City of Parramatta Council and Cumberland Council for consultation.
C11	The noise and vibration monitoring data collected during monitoring required by Condition C9 must be available to the Proponent, ER, AA, Relevant Council(s) and the community to inform construction scheduling, the level of impacts and whether additional mitigation is required. The Department must also be provided access to this data if specifically requested.	Section 12.5	A schedule of the reporting of the noise and vibration monitoring program is presented in Section 12.5. The schedule identifies the submission of each report generated as a result of the noise and vibration monitoring program.
C12	The Construction Monitoring Programs must be developed in consultation with relevant government agencies and Relevant Council(s) as identified in Condition C9 of this approval and must include, information requested by an agency to be included in a Construction Monitoring Programs during such consultation. Details of all information requested by an agency, including copies of all correspondence from those agencies, must be provided with the relevant Construction Monitoring Program.	Section 4 Appendix E	The Noise and Vibration Monitoring Program for noise and vibration is included in this Sub-plan and was provided to EPA, NSW Health, City of Parramatta Council and Cumberland Council for consultation.

CoA No.	Condition Requirements	Document Reference	How Addressed
C13	The Construction Monitoring Programs must be endorsed by the ER and submitted to the Secretary for information at least one month before the commencement of construction.	Section 4 Section 12.3	The Noise and Vibration Monitoring Program will be endorsed by the ER. The Noise and Vibration Monitoring Program will be submitted to DPIE before commencement of construction.
C14	Construction must not commence until the Secretary has received all of the required Construction Monitoring Programs, and all relevant baseline data for the specific construction activity has been collected.	Section 4 Section 12.3	Construction activities, involving noise and vibration, will not commence until DPIE has approved the Noise and Vibration Monitoring Program relevant noise and vibration, and all the necessary baseline data for the monitoring program has been collected.
C15	The Construction Monitoring Programs, as submitted to the Secretary including any minor amendments approved by the ER must be implemented for the duration of construction and for any longer period set out in the monitoring program or specified by the Secretary, whichever is the greater.	Section 4 Section 12.3	The Noise and Vibration Monitoring Program will be implemented for the duration of the Project.
C16	The results of the Construction Monitoring Programs must be submitted to the Secretary, and relevant regulatory agencies, for information in the form of a Construction Monitoring Report at the frequency identified in the relevant Construction Monitoring Program.	Section 12.5	A schedule of the reporting of the noise and vibration monitoring program is presented in Section 12.5. The schedule identifies the submission of each report generated as a result of the noise and vibration monitoring program. Monthly monitoring reports will be prepared to report the noise and vibration monitoring data collected during monitoring undertaken in accordance with this Sub-plan and the CNVISs.
C17	Where a relevant CEMP Sub-plan exists, the relevant Construction Monitoring Program may be incorporated into that CEMP Sub-plan.	Section 12.5	The Noise and Vibration Monitoring Program for noise and vibration is incorporated into this NVMP in Section 12.5.

CoA No.	Condition Requirements	Document Reference	How Addressed
E20	A detailed land use survey must be undertaken to confirm sensitive receivers (including critical working areas such as operating theatres, precision laboratories housing sensitive equipment and drama theatres) potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. The survey may be undertaken on a progressive basis but must be undertaken in any one area before the commencement of works which generate construction or operational noise, vibration or ground-borne noise in that area. The results of the survey must be used to develop the Noise and Vibration Management Sub-plan required by Condition C3 and Construction Noise and Vibration Impact Statements required by Condition E42.	Section 12.3.1 Appendix B	A land use survey has been prepared in accordance with the scope outlined in Section 12.3.1 and attached to the NVMP in Appendix B. The results of the land use survey have been used in the development of this Sub-plan and will be used for the development of CNVIS.
E21	Works must be undertaken during the following hours: (a) 7:00am to 6:00pm Mondays to Fridays, inclusive; (b) 8:00am to 12:00pm Saturdays; al(c) at no time on Sundays or public holidays.	Section 5.1	Construction activities will be undertaken during the approved construction hours as outlined in Section 5.1.
E22	Notwithstanding Condition E21, and with the exception of 'Eat Street', works may be undertaken during the following hours: (a) 6:00pm to 7:00pm Mondays to Fridays, inclusive; and (b) 12:00pm to 6:00pm Saturdays.	Section 5.2	Construction activities will be undertaken during the approved construction hours as outlined in Section 5.2.

CoA No.	Condition Requirements	Document Reference	How Addressed
E23	Notwithstanding Condition E21, works may be undertaken in the Camellia and Rosehill precincts (east of James Ruse Drive) and the Carlingford precinct (from Parramatta River to Victoria Road) 24 hours a day, seven days a week provided that sensitive receivers are not affected by noise levels of greater than 5 dBA above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), between 10.00pm and 7.00am.	Section 5.2 Appendix A	Construction activities will be undertaken during the approved construction hours as outlined in Section 5.2. EPL 21347 has been issued to the JV and includes an equivalent clause to permit works to be undertaken in the Camellia and Rosehill precincts (east of James Ruse Drive) and the Carlingford precinct (from Parramatta River to Victoria Road) 24 hours a day, seven days a week provided that sensitive receivers are not affected by noise levels of greater than 5 dBA above the rating background level.
E24	Construction outside the hours identified in Condition E21 along 'Eat Street' must be established through consultation with affected businesses as outlined in the Business Activation Plan required by Condition E110.	Section 5.2	A Communication Action Plan (CAP) will be developed to direct the consultation with businesses of Eat Street to determine works period that minimise disruption to the businesses.
E25	Works may be undertaken outside of the hours defined in Conditions E21 to E22, as applicable, but only if one or more of the following applies: (a) for the delivery of materials required by the NSW Police Force or other authority for safety reasons; or (b) where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm, or (c) where different hours of works are permitted or required under an EPL in force in respect of the CSSI; or	Section 5.2 Appendix A	The JV was issued EPL Number 21347 on the 3 January 2020 for Railway activities - railway infrastructure construction. The EPL includes conditions permitting works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval. The Out of Hours Works Protocol does not apply to works subject to EPL.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(d) works approved under an Out-of-Hours Work Protocol for works not subject to an EPL; or (e) construction that causes LAeq (15 minute) noise levels: i) no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), and ii) no more than the 'Noise affected' noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and iii) no more than 15dBA above the night-time rating background level at any residence during the night time period, when measured using the LA1(1 minute) noise descriptor, and iv) continuous or impulsive vibration values, measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), and v) intermittent vibration values measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006).		

CoA No.	Condition Requirements	Document Reference	How Addressed
E26	On becoming aware of the need for emergency construction works, the Proponent must notify the ER of the need for those activities or works. The Proponent must also use best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works.	Section 12.5	Appropriate departments, regulators and sensitive receivers will be notified of any emergency works occurring as outlined.
E27	Except as permitted by an EPL, or through the Out-of-Hours Work Protocol, Highly Noise Intensive Works that result in an exceedance of the applicable NML at the same sensitive receiver must only be undertaken: (a) between the hours of 8:00 am to 6:00 pm Monday to Friday; (b) between the hours of 8:00 am to 1:00 pm Saturday; and (c) in continuous blocks not exceeding three (3) hours each with a minimum respite from those activities and works of not less than one (1) hour between each block. For the purposes of this‘condition,"continuous' includes any period during which there is less than a one (1) hour respite between ceasing and recommencing any of the work that are the subject of this condition. *Note: A trial period of the Highly Noise Intensive Work undertaken with the approval of the Out of Hours Work Protocol may be established.*	Section 5 Section 9.1	Predicted noise and vibration impacts will be assessed in the CNVIS in accordance with Section 9.1. The JV was issued EPL Number 21347 on the 3 January 2020 for Railway activities - railway infrastructure construction. The EPL includes conditions permitting works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval including respite periods.
E28	An Out-of-Hours Work Protocol must be prepared to identify a process for the consideration, management and approval of works which are outside the permitted hours	Section 11.5 Appendix A	Incorporated in mitigation measure NV07.

CoA No.	Condition Requirements	Document Reference	How Addressed
	defined in Conditions E21 to E22, where an EPL does not apply. The Protocol must be approved by the Secretary before commencement of out-of-hours works. The Protocol must be prepared and implemented in consultation with AA. The Protocol must: (a) provide a process for the consideration of out-of-hours works against the relevant noise and vibration criteria; (b) provide a process for the identification and implementation of mitigation and management measures for residual impacts, in consultation with the community at each affected location, consistent with the requirements of Condition E39; (c) identify an approval process that considers the risk level of activities (in accordance with AS/NZS ISO 31000:2009 “Risk Management”), proposed mitigation, management, and coordination, including where: i) low and moderate risk activities can be approved by the ER in consultation with the AA, and ii) high risk activities that are approved by the Secretary; and (d) identify Department and community notification arrangements for approved out of hours works, which will be detailed in the Communication Strategy. Note: This condition does not apply where work is required for an emergency (as defined in Condition E25 (b)).		An Out of Hours Works Protocol has been prepared by TfNSW and approved by DPIE for works outside of the standard working hours not subject to an EPL. The JV was issued EPL Number 21347 on the 3 January 2020 for Railway activities - railway infrastructure construction. The EPL includes conditions permitting works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval. The Out of Hours Works Protocol does not apply to works subject to EPL.

CoA No.	Condition Requirements	Document Reference	How Addressed
E29	Out-of-hours works that may be regulated through an EPL or the Out of Hours Work Protocol as per Condition E28 include, but are not limited to: (a) Carrying out works that during standard hours would result in a high risk to construction personnel or public safety, based on a risk assessment carried out in accordance with AS/NZS ISO 31000:2009 “Risk Management”; or (b) The relevant road authority has advised the Proponent in writing that carrying out the works and activities during standard hours would result in a high risk to road network operational performance and a road occupancy licence will not be issued; or (c) The relevant utility service operator has advised the Proponent in writing that carrying out the works and activities during standard hours would result in a high risk to the operation and integrity of the utility network; or (d) Where the TfNSW Transport Management Centre (or other road authority) has advised the Proponent in writing that a road occupancy licence is required and will not be issued for the works or activities during the hours specified in Condition E21 and Condition E22; or (e) Where Sydney Trains (or other rail authority) has advised the Proponent in writing that a Rail Possession is required.	Section 11.5 Appendix A	Incorporated in mitigation measure NV07. The JV was issued EPL Number 21347 on the 3 January 2020 for Railway activities - railway infrastructure construction. The EPL includes conditions permitting works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval. The Out of Hours Works Protocol does not apply to works subject to EPL.
E30	Mitigation measures must be applied to construction activities that are predicted to result in the following	Section 6.2.2	The ground-borne noise criteria is outlined in Section 6.3 as noise objectives.

CoA No.	Condition Requirements	Document Reference	How Addressed
	residential ground-borne noise levels being exceeded as a result of the CSSI: (a) Evening (6.00pm to 10.00pm) – internal LAeq (15 minute): 40 dBA; and (b) Night (10.00pm to 7.00am) – internal LAeq (15 minute): 35 dBA. The mitigation measures must be outlined in the Construction Noise and Vibration Management Sub-plan and the Out of Hours Works Protocol.	Section 6.3 Section 11.3	Exceedance of the ground-borne noise levels during the night period will be managed as exceeding the sleep disturbance. Exceedance of the ground-borne noise levels during evening and night periods will be managed in accordance with the additional mitigation measures for Highly Intrusive works. The Out of Hours Works Protocol does not apply to works subject to EPL.
E31	Noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories, operating theatres, and mental health services and accommodation) must not be timetabled within sensitive periods, unless otherwise agreed with the affected institutions, and at no cost to the affected institution. This must be determined through ongoing consultation with the community during construction.	Section 6.2.3 Section 6.2.4 Section 9.1 Section 10.8	Non-residential noise and vibration sensitive receivers have been identified in the Land Use Survey and summarised in Sections 6.2.3 and 6.2.4. The predicted construction noise and vibration impacts will be assessed in the CNVIS. Any restrictions on timetabling of works because of consultation will be documented in the CNVIS. A mitigation measure to address noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas is included in Section 11.5 as mitigation measure NV49.
E32	The Proponent must consult with proponents or applicants of other State Significant development and infrastructure works near the CSSI and take reasonable steps to coordinate works to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers.	Section 11.4	Consultation will be undertaken with proponents or applicants of other State Significant development and infrastructure works near the CSSI to coordinate respite periods. The exact nature of the consultation will be determined on a case by case

CoA No.	Condition Requirements	Document Reference	How Addressed
			basis through the development of a Communication Action Plan (CAP) in accordance with the JV's CEP.
E33	Construction noise mitigation measures must be implemented in accordance with Tables 4, 5, 6 and 7 of TfNSW's Construction Noise and Vibration Strategy (2018), regardless of the number of sensitive receivers impacted.	Section 9.1 Section 11.5	The impact assessment procedures in CNVS Table 4 have been incorporated into the development of CNVIS. The standard management measures, source mitigation measures and path mitigation measures have been incorporated into the management and mitigation measures in Section 11.5.
E34	Piling activities that affect sensitive receivers must be undertaken using quieter alternative methods than impact or percussion piling, such as bored piles or vibrated piles, where practicable.	Section 11.5	This has been included in Section 11.5 as mitigation measure NV53. This will be addressed in design packages for permanent works and CNVIS for temporary works.
E35	Nothing in this approval permits blasting for construction of the CSSI.	Section 11.5	No blasting is proposed for the JV's works. This has been included in Section 11.5 as mitigation measure NV54.
E36	The Proponent must provide respite periods for sensitive receivers where any construction activity during the hours specified in Condition E21 results in noise levels that exceed the Highly Noise Affected Level of 75 dB (LAeq,15 minute).	Section 11.2 Section 11.5	Section 11.2 outlines the respite periods for noise and vibration for the project. This has been included in Section 11.5 as mitigation measure NV55.
E37	Where works are undertaken outside hours specific in Condition E21 and E22 and construction noise levels exceed 65 dB(A) LAeq (15 mins) at the façade of the building of a residential receiver, the Proponent must only work 4 nights in any 7 day period. The 4 nights worked	Section 9.1 Section 11.2 Section 11.5	CNVIS will be prepared to predict the noise and vibration impacts at sensitive receivers.

CoA No.	Condition Requirements	Document Reference	How Addressed
	must be informed by community consultation referenced in Condition E39.		Programming of works and respite will be determined in accordance with the Out of Hours Works Protocol. This has been included in Section 11.5 as mitigation measure NV56.
	Outcomes of the community consultation, the identified works and respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary for information.	Section 11.2	Community consultation, OOHW, and the resulting respite periods will be provided to the AA, ER and Secretary for information. Section 11.2 outlines the respite periods for noise and vibration for the project.
	Relocation of work following 4 nights of works in any 7 day period must be sufficiently removed so as to provide clear respite of 3 days. Works in areas of respite must be subject to noise levels of no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009).	Section 11.5	This has been included in Section 11.5 as mitigation measure NV57.
	The requirements of this condition may be varied with the approval of the Secretary following the Secretary's review of community consultation outcomes, construction noise and vibration impacts and the implementation of noise management and mitigation measures.	-	Information only.
E38	All work undertaken for the delivery of the CSSI, including those undertaken by utility contractors, must be	Section 9.1 Section 11.2	Predicted noise and vibration impacts will be assessed in the CNVIS as described in the Section 8.1.

CoA No.	Condition Requirements	Document Reference	How Addressed
	coordinated to ensure respite, including the respite required by Condition E37. The Proponent must: (a) schedule any works to provide respite to impacted noise sensitive receivers so that all respite periods are achieved; or (b) consider the provision of alternative mitigation, including the provision of at receiver treatments and alternative accommodation to impacted noise sensitive receivers; and (c) provide documentary evidence to the AA in support of any decision made by the Proponent in relation to respite or mitigation.	Section 11.3	Section 11.2 outlines the respite periods for noise and vibration for the project. Alternative / additional mitigation measures will be determined based on the predicted impacts in accordance with the Additional Mitigation Measures described in Section 11.3
E39	In order to undertake out-of-hours work described in Condition E25 (c) and (d), the Proponent must identify appropriate work and respite periods for the works in consultation with the community at each affected precinct at three monthly intervals. This consultation must be ongoing and include (but not be limited to) providing the community with: (a) a schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work (as defined in the Out of Hours Works Protocol (Condition E28)); (b) a schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work (as defined in the Out-of-Hours Works Protocol (Condition E28));	Section 9.1 Section 11.2 Section 11.4	Consultation will occur with affected receivers as outlined in Section 11.4. Appropriate work and respite periods will be informed by this consultation. The outcomes of the consultation will be incorporated in the mitigation measures determined in the CNVIS and provided to community members. TfNSW, the Secretary, AA and ER will be provided with the outcomes of the community consultation, and subsequent construction respite periods and scheduling of OOHW.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(c) the potential works, location and duration; (d) the noise characteristics and likely noise levels of the works; and (e) likely mitigation and management measures. The Proponent shall consider and respond to the affected community's preference for alternative hours and/or durations. The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour works must be provided to the AA, ER and the Secretary.		
E40	The provision of respite periods does not preclude the application of other construction noise management measures, including the provision of at receiver treatments and or alternate accommodation.	Section 11.2	Section 11.2 outlines the respite periods for the project. Mitigation measures will still be implemented even if respite periods have been completed as determined through the preparation of the CNVIS.
E41	At no time can noise generated by construction exceed the National Standard for exposure to noise in the occupational environment of an eight-hour equivalent continuous A-weighted sound pressure level of LAeq,8h, of 85dB(A) for any employee working at a location near the CSSI.	Section 11.5	Construction noise will not exceed the National Standard for exposure to noise in the occupational environment of an eight-hour equivalent continuous A-weighted sound pressure level of LAeq,8h, of 85dB(A) for any employee working at a location near the Project. This has been included in Section 11.5 as mitigation measure NV60.
E42	Construction Noise and Vibration Impact Statements must be prepared and implemented for each construction site before construction noise and vibration impacts commence and include specific mitigation measures	Section 9.1	Construction Noise and Vibration Impact Statements will be prepared and implemented for each construction site before construction commences. Section 9.1 outlines how CNVIS will be prepared

CoA No.	Condition Requirements	Document Reference	How Addressed
	identified through consultation with affected sensitive receivers. Each Construction Noise and Vibration Impact Statement will supplement the Noise and Vibration Management Sub-plan and must specifically address each of the major construction sites and must include but not be limited to: (a) A description of the proposed activities; (b) Predicted noise and vibration levels based on background noise levels; (c) Examination of alternative methods of construction that would potentially reduce noise and vibration if the potential noise and vibration exceeds the relevant criteria; (d) Description and commitment to work practices which limit noise and vibration; (e) Description of specific noise and vibration mitigation treatments and time restrictions, including respite periods, duration, and frequency; (f) Justification for any activities to be undertaken outside the specified construction hours defined in Conditions E21 and E22; (g) Internal noise audit systems including recording of daily hours of construction, progressive impact assessments as work proceeds, conducting informal checks by the AA, providing active and communication links to Council and surrounding residents and sensitive receivers;		and reviewed and endorsed by the ER and AA as required.

CoA No.	Condition Requirements	Document Reference	How Addressed
	(h) Assessment of potential noise from the proposed construction methods including noise from construction vehicles and noise impacts from required traffic diversions; (i) Community consultation and notification; (j) All reasonable and feasible measures including adopting the least noisy available construction methods, systems and equipment; (k) Additional noise and vibration mitigation measures as negotiated with affected residents and other sensitive receivers. *Note: Existing noise levels, pre-construction noise levels, or the like for the purposes of identifying rating background noise levels, noise management levels and construction noise impacts are noise levels that do not include any other construction related noise.*		
E43	The Proponent must conduct vibration testing before and during vibration generating activities that have the potential to impact on heritage items to identify minimum working distances to prevent cosmetic damage. In the event that the vibration testing and monitoring shows that the preferred dose values for vibration are likely to be exceeded, the Proponent must review the construction methodology and, if necessary, implement additional mitigation measures.	Section 12.3.4 Section 12.3.5	Vibration testing will be undertaken as outlined in the Noise and Vibration Monitoring Program.
E44	The Proponent must seek the advice of a heritage specialist on methods and locations for installing	Section 7.4 Section 11.5	Heritage listed structures are listed in Section 7.4. A heritage specialist will be engaged when vibration, movement and noise monitoring of heritage-listed

CoA No.	Condition Requirements	Document Reference	How Addressed
	equipment used for vibration, movement and noise monitoring of heritage-listed structures.	Section 12.3.5 Section 12.3.6	structures will occur, as outlined in Section 11.5 in NV62. This has also been referenced in the noise and vibration monitoring methods.
E45	Before commencement of any construction, and with the agreement of the landowner, a structural engineer must undertake building condition surveys of all buildings identified in the documents listed in Condition A1 as being at risk of damage. The results of the surveys must be documented in a Building Condition Survey Report for each building surveyed. Copies of Building Condition Survey Reports must be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant Council within three weeks of completing the surveys and no later than one month before the commencement of construction.	Section 12.3.2	Building Condition Survey Reports will be undertaken as part of the Noise and Vibration Monitoring Program.
E46	After completion of construction and with the agreement of the landowner, Building Condition Surveys of all buildings for which building condition surveys were undertaken in accordance with Condition E45 of this approval must be undertaken by a structural engineer. The results of the surveys must be documented in a Building Condition Survey Report for each building surveyed. Copies of Building Condition Survey Reports must be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant Council within three weeks of completing the surveys and	Section 12.3.2	Building Condition Survey Reports will be undertaken as part of the Noise and Vibration Monitoring Program.

CoA No.	Condition Requirements	Document Reference	How Addressed
	no later than three (3) months following the completion of construction.		
E47	Any physical damage caused to a property as a result of the CSSI shall be rectified or the property owner compensated, within a timeframe agreed to by the property owner with the costs borne by the Proponent. This condition is not intended to limit any claims that the property owner may have against the Proponent.	Section 12.3.2	The JV will review the pre- and post- Building Condition Survey Reports and prepare a root cause analysis for each damage claim received. In the event that the root cause analysis determines that the damage is not attributable to the Infrastructure Works and the outcome is disputed by the property owner, the JV will engage an independent structural engineer to assist in resolving the dispute.
E50	The CSSI must be designed and operated with the objective of not exceeding the air-borne and ground-borne noise trigger levels as defined in the Rail Infrastructure Noise Guideline (EPA, 2012) and the vibration levels defined in the Assessing Vibration: A Technical Guideline (DEC, 2006).	Section 10.1	The JV will design and construction the track slab designs in accordance with Project Scope and Technical Requirements to air-borne and ground-borne noise trigger levels as defined in the Rail Infrastructure Noise Guideline (EPA, 2012).

3.4 Revised Environmental Mitigation and Management Measures

Relevant REMMMs are listed **Table 3-2** below. This includes reference to required outcomes, the timing of when the commitment applies, relevant documents or Sections of the environmental assessment influencing the outcome and implementation.

Table 3-2: Revised environmental mitigation measures relevant to this NVMP

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Communication	GEN-1	A construction environmental management plan (CEMP) would be prepared for the construction phase of the project. The CEMP would provide a centralised mechanism through which all potential environmental impacts would be managed. The CEMP would document mechanisms for demonstrating compliance with the commitments made in the Environmental Impact Statement), the submissions report, as well as any other relevant statutory approvals (e.g. conditions of approval, licences and permits). The CEMP would outline a framework for the management of environmental impacts during construction, including further details on the following:	Pre-construction	CEMP	The CEMP provides a central mechanism for all potential environmental impacts. The CEMP outlines the framework for the management of environmental impacts. The CEMP has been prepared and will be implemented during construction.
Communication	GEN-1	Noise and vibration management.	Pre-construction	This Sub-plan	The NVMP outlines the noise and vibration management for the Project. This Sub-plan complies with the relevant approval, statutory and contract requirements.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Communication	NV-1	A Construction Noise and Vibration Management Plan (CNVMP) would be developed in accordance with the requirements of Transport for NSW's Construction Noise Strategy and the Interim Construction Noise Guidelines (DECC 2009). It would to document all necessary measures to manage and mitigate potential noise and vibration levels during standard daytime working hours and for all and out-of-hours construction activities (refer to Section 17.2.3 of the EIS). The CNVMP would also provide the framework and mechanisms for:	Pre-construction	Section 3.2 Section 11.6	The impact assessment procedures in CNVS Table 4 have been incorporated into the development of CNVIS. The standard management measures, source mitigation measures and path mitigation measures have been incorporated into the management and mitigation measures in Section 11.6.
Communication	NV-1	The mitigation and management of the noise and vibration impacts from the project.	Pre-construction	Section 11	The mitigation and management measures for the noise and vibration impacts has been outlined in Section 11.
Communication	NV-1	Development of site specific construction noise management plans.	Pre-construction	Section 9.1	The process for developing site specific CNVIS is outlined in Section 9.1.
Communication	NV-1	Out-of-hours work associated with the project.	Pre-construction	Section 5.2 Appendix A	An Out-of-Hours-Work Protocol has been prepared by TfNSW and approved by DPIE.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Acoustic management	NV-2	The CNVMP prepared for the project would include mitigation and management measures for the works with reference to the NSW Interim Construction Noise Guideline (ICNG) and Transport for NSW Construction Noise Strategy (CNS). Mitigation and management measures which would be considered include:	Construction	Section 3.2 Section 11.6	The impact assessment procedures in CNVS Table 4 will be incorporated into the development of CNVIS. The standard management measures, source mitigation measures and path mitigation measures have been incorporated into the management and mitigation measures in Section 11.6.
Acoustic management	NV-2	For construction concentrated in a single area, such as at the stops, worksites, substation construction sites, bridge sites and the stabling and maintenance facility location, temporary acoustic fencing/barriers around the site perimeter would be considered where feasible and reasonable to mitigate off-site noise levels.	Construction	Section 11.6	This specific mitigation measure has been included as mitigation measure NV04 in Section 11.6. This will be included in the modelling of impacts in the relevant CNVIS and captured in ECMs.
Community management	NV-2	Given the potentially high noise levels at residential receivers, adherence to daytime construction hours is recommended would be used for excavation, demolition or rock breaking activities, and for activities concentrated in a single area (i.e. activities that do not move along the alignment, and do not require out-of-hours activities for safety reasons or to minimise disruption to road networks).	Construction	Section 11.6	This has been included as mitigation measure NV05 in Section 11.6. Toolbox talks and daily pre-starts will ensure these measures are communicated for implementation by relevant staff.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-2	Where possible, noisy works would be scheduled to minimise impacts to adjacent businesses and commercial properties, such as avoiding undertaking noisy activities on Eat Street during lunch and dinner periods.	Construction	Section 5.2 Section 11.6	The scheduling of works on Eat Street will be determined through consultation with affected businesses in accordance with CoA E24. This has been included as mitigation measure NV06 in Section 11.6.
Community management	NV-2	Out of hours works would be programmed to minimise the number of consecutive out of hour work periods impacting the same receptors.	Construction	Section 5.2 Section 11.6	Out-of-Hours-Work will be determined in accordance with the Out-of-Hours-Work Protocol. This has been included as mitigation measure NV08 in Section 11.6.
Community management	NV-2	Consultation would be carried out with local schools and other educational facilities prior to noise intensive works to ensure impacts are minimised during examination periods and/or other critical periods in the school calendar (where works are predicted to exceed the relevant construction noise management level for this receiver). Consultation with nearby childcare centres would be carried out to potentially avoid noisy works during rest periods at the centres (where possible).	Construction	Section 11.4 Section 11.6	CAPs will be prepared to guide the consultation with schools and other educational facilities prior to noise intensive works. Consultation with nearby childcare centres will be carried out to discuss avoidance of noisy works during rest periods at the centre. This has been included as mitigation measure NV09 and NV10 in Section 11.6.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-2	Simultaneous operation of noisy plant in close proximity to sensitive receptors would be avoided (where possible).	Construction	Section 11.6 Section 12.2	Where possible, the operation of noisy plant will be planned to reduce impacts to sensitive receptors. This has been included as mitigation measure NV11 in Section 11.6. Toolbox talks and daily pre-starts will ensure these measures are communicated for implementation by relevant staff.
Acoustic management	NV-2	Equipment which is used intermittently would be shut down when not in use.	Construction	Section 11.6 Section 12.2	This has been included as mitigation measure NV12 in Section 11.6. This will be communicated through toolbox talks and daily pre-starts to ensure implementation by relevant staff.
Acoustic management	NV-2	Where possible, the offset distance between noisy plant items and nearby noise sensitive receptors would be as great as possible.	Construction	Section 11.6 Section 12.2	This has been included as mitigation measure NV13 in Section 11.6. This will be communicated through toolbox talks and daily pre-starts to ensure implementation by relevant staff.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Acoustic management	NV-2	Where possible, equipment with directional noise emissions would be oriented away from sensitive receptors.	Construction	Section 11.6	Work planning will ensure directional noise emitting equipment will be oriented away from sensitive receivers. This has been included as mitigation measure NV14 in Section 11.6.
Acoustic management	NV-2	Construction compounds would use 2.4 metre high hoarding of solid construction where required to minimise noise on sensitive receivers, where safe to do so.	Pre-construction Construction	Section 9.1 Section 11.6	Requirement for hoarding around construction compounds will be assessed in the CNVIS and included on relevant ECMs. Construction hoardings in the Cumberland Precinct to be determined in consultation with HAC to maintain consumer safety and manage clinical risks. This has been included as mitigation measure NV15 in Section 11.6.
Acoustic management	NV-2	Structures such as site sheds would be positioned to further shield sensitive and residential receivers from works activities.	Pre-construction Construction	Section 11.6	This has been included as mitigation measure NV18 in Section 11.6. Planning of site layout will include strategic placement of sheds to mitigate noise impacts. This will be captured in ECMs.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Equipment maintenance	NV-2	Regular compliance checks for noise emissions from all plant and machinery used for the project would be carried out to indicate whether noise emissions from plant items are higher than predicted. This would also identify defective silencing equipment on the items of plant.	Construction	Section 11.6 Section 12.3.5	This has been included as mitigation measure NV19 in Section 11.6. Spot noise checks of noise levels of plant has been included in the Noise and Vibration Monitoring Program.
Communication	NV-2	Ongoing noise monitoring would be carried out during construction at sensitive receptors during critical periods to identify and assist in managing high risk noise events.	Construction	Section 9.1 Section 11.6 Section 12.3.5 Section 12.4	Monitoring requirements as additional mitigation measures will be identified in each CNVIS. This has been included as mitigation measure NV20 in Section 11.6 and the Noise and Vibration Monitoring Program is presented in Sections 12.3.5 and 12.4.
Acoustic management	NV-2	Where possible heavy vehicle movements should be limited to daytime hours.	Construction	Section 11.6	This has been included as mitigation measure NV21 in Section 11.6.
Acoustic management	NV-2	Reversing of equipment should be minimised so as to prevent nuisance caused by reversing alarms, which would be limited to the use of non-tonal reversing alarms.	Construction	Section 10.8	This has been included as mitigation measure NV22 in Section 10.8. This will be considered during compound layout and development of TCP and verified during site inspections and noise verification monitoring.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Acoustic management	NV-2	Loading and unloading should be carried out away from sensitive receptors, where practicable.	Construction	Section 11.6	This will be managed through Site Vehicle Movement Plans. This has been included as mitigation measure NV23 in Section 11.6.
Acoustic management	NV-2	Work should be scheduled to provide respite periods from the noisiest activities, and impacted residents should be communicated with to clearly explain the duration and noise levels for the works.	Construction	Section 11.4 Section 11.6	Coordination of works will occur to minimise impacts on sensitive receivers and to respond to community consultation throughout the project. Updates such as newsletters will be distributed to communicate with the community. This has been included as mitigation measure NV26 in Section 11.6.
Acoustic management	NV-3	In the event of predicted exceedances of the noise goals, particularly during out-of-hours works, additional noise mitigation and management measures to be considered in the CNVMPs as described in the CNS. Additional mitigation and management measures would be determined on a site specific basis and are dependent upon the level of predicted impact. Additional mitigation and management measures which would be considered include:	Construction	Section 9.1 Section 11.3	Predicted noise impacts will be assessed in the CNVIS. The frameworks for application of additional mitigation measures is outlined in Section 11.3. These will be included in the CNVIS. The planning of Out of Hours Works will be undertaken in accordance with the Out of Hours Works Protocol.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-3	Periodic notifications – These include regular newsletters, letterbox drops or advertisements in local papers to provide an overview of current and upcoming works and other topics of interest.	Construction	Section 11.3 Section 11.4	The community will be informed of OOHW and other updates at three monthly intervals through various forms of communication.
Community management	NV-3	Website updates – The project website would form a resource for members of the community to seek further information, including CNVPs and current and upcoming construction activities.	Pre-construction Construction	Section 11.3	Details of the TfNSW Parramatta Light Rail will be distributed to the community. The website will provide a variety of information regarding the project including a schedule of out-of-hours work.
Community management	NV-3	Project info-line and construction response line – Transport for NSW will operate a construction response line and a project info-line (1800 775 465). These numbers will provide a dedicated 24-hour contact point for any complaints regarding construction works and for any project enquiries. All complaints require a verbal response within two hours. All enquiries require a verbal response within 24 hours during standard construction hours, or on the next working day during out-of-hours work (unless the enquirer agrees otherwise).	Construction	Section 11.3	A project info-line has been set up as a contact point for enquires and complaints.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-3	Email distribution list – An email distribution list would be used to disseminate project information to interested stakeholders.	Construction	Section 11.3	The email list will be utilised regularly to notify stakeholders of upcoming works.
Community management	NV-3	Signage – Signage on construction sites would be provided to notify stakeholders of project details and project emergency or enquiry information.	Construction	Section 11.3	The TfNSW Community Communication Strategy approved under Condition B3 will be followed to establish signage around the construction to notify affected stakeholders of important project details.
Community management	NV-3	Specific notifications – Specific notifications would be letterbox dropped or hand distributed to the nearby residences and other sensitive receptors no later than seven days ahead of construction activities that are likely to exceed the noise objectives. This form of communication is used to Support periodic notifications, or to advertise unscheduled works.	Construction	Section 11.3	The TfNSW Community Communication Strategy approved under Condition B3 will be followed to distribute specific notifications to the community regarding construction activities that are likely to exceed noise objectives.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-3	Phone calls – Phone calls may be made to identified/affected stakeholders within seven days of proposed work. For these works considering the large numbers of receptors, phone calls are not likely to be considered a reasonable mitigation and management measure in all cases, but could be used to inform specific receptors if requested (after notification of the works as above).	Construction	Section 11.3	Specific receptors may be notified within seven days of construction works under the TfNSW Community Communication Strategy approved under Condition B3.
Community management	NV-3	Individual briefings – Individual briefings may be used to inform stakeholders about the impacts of high noise activities and mitigation and management measures that would be implemented. Communications representatives from the contractor(s) would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities. Considering the large numbers of potentially affected receptors, individual briefings may not be considered a reasonable mitigation and management measure in all cases, but could be used for specific receptors if requested (after notification of the works as above).	Construction	Section 11.3	This is a form of additional mitigation measure that will be utilised based on the predicted impacts determined through the CNVIS. The TfNSW Community Communication Strategy approved under Condition B3 will be followed to notify affected stakeholders of important project details such as individual briefings for specific receptors.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Communication	NV-3	Monitoring – Ongoing noise monitoring during construction at sensitive receptors during critical periods would be used to identify and assist in managing high risk noise events. Monitoring of noise would also be carried out in response to complaints. All noise monitoring would be carried out by an appropriately trained person in the measurement and assessment of construction noise and vibration, who is familiar with the requirements of the relevant standards and procedures.	Construction	Section 11.3 Section 12.3.5 Section 12.4	This is a form of additional mitigation measure that will be utilised based on the predicted impacts determined through the CNVIS. The Noise and Vibration Monitoring Program is provided in Section 12.3.5 and 12.4.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-3	Project specific respite offer – Residents subjected to lengthy periods of noise or vibration may be eligible for a project specific respite offer. The purpose of such an offer is to provide residents with respite from an ongoing impact. An example of a respite offer might be pre-purchased movie tickets. The provision of this measure would be determined on a case-by-case basis. Project specific respite offers are unlikely to be reasonable and feasible in the CBD precinct. This is partly due to the impracticability of providing respite offers to large numbers of people during the proposed 24-hour works, but also reflects the existing evening and weekend noise environment in the Parramatta CBD precinct.	Construction	Section 11.2 Section 11.3	This is a form of additional mitigation measure that will be utilised based on the predicted impacts determined through the CNVIS. The TfNSW Community Communication Strategy approved under Condition B3 will be followed to provide respite for affected residents.
Community management	NV-3	Alternative accommodation – As described in the CNS, provision of alternative accommodation for residents should be considered in the event that highly intrusive noise impacts are predicted during the night-time period (between 10 pm and 7 am). However, as the project is likely to require night-time works at many locations (particularly in the Parramatta CBD precinct), provision of alternative accommodation in all cases may not always be feasible or reasonable.	Construction	Section 11.3	This is a forms of additional mitigation measures that will be utilised based on the predicted impacts determined through the CNVIS. The TfNSW Community Communication Strategy approved under Condition B3 will be followed to provide respite for affected residents.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Community management	NV-4	For sensitive receiver that operate outside standard construction hours, for example hospitals which operate on a 24-hour basis, feasible and reasonable noise mitigation options and measures would be developed in consultation with the sensitive receiver.	Construction	Section 11.4 Section 9.1 Section 11.6	CAPs will be developed for each sensitive receiver. The outcome of the consultation will be incorporated into the CNVIS. This has been included as mitigation measure NV28 in Section 11.6.
Acoustic management	NV-5	The use of noise intensive plant items would be scheduled for normal working hours. If the works cannot be carried out during the daytime, it has been recommended to complete them before 11 pm, where practicable. This would be particularly relevant for works impacting the following noise catchment areas (NCAs) where a number of activities have been predicted to result in high impacts on many residential receivers during the night-time: NCA04 in the Westmead precinct NCA06 and NCA07 in the Parramatta North precinct NCA11 in the Rosehill and Camellia precinct.	Construction	Section 11.6	This has been included as mitigation measure NV29 in Section 11.6.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Acoustic management	NV-6	Opportunities to reduce road traffic noise during construction would be investigated, including restricting heavy vehicle movements to standard construction hours and/or to routes with fewer sensitive receivers.	Pre-construction Construction	Section 9.1 Section 11.6	The potential to reduce road traffic noise will be examined in the CNVIS. If possible, heavy vehicle movement will be restricted to limit impacts on sensitive receivers. This will be captured in TCP. This has been included as mitigation measure NV30 in Section 11.6.
Acoustic management	NV-7	Where vibration intensive construction activities are proposed within 100 metres of sensitive receivers, these works would be confined to the less sensitive daytime period where possible. The potential impacts from vibration are to be considered in the site-specific Construction Noise and Vibration Impact Statements (to be developed during detailed design). In general, mitigation and management measures that would be considered include:	Construction	Section 11.6	This has been included as mitigation measure NV38 in Section 11.6 Intensive vibration construction activities will be confined to the daytime period where occurring within 100 metres of sensitive receivers. Sensitive receivers will be identified in the Land Use Survey and the data included in the GIS supporting the development of ECMs.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Vibration management	NV-7	Relocate vibration generating plant and equipment to areas within the site in order to lower the vibration impacts.	Construction	Section 11.6	Where possible, the location of construction equipment will be planned to reduce impacts to sensitive receptors. This will be captured in ECMs. This has been included as mitigation measure NV39 in Section 11.6.
Vibration management	NV-7	Investigate the feasibility of rescheduling the hours of operation of major vibration generating plant and equipment.	Construction	Section 11.6	Where possible, major vibration works will be planned to reduce impacts to sensitive receptors. Toolbox talks and daily pre-starts will ensure these measures are communicated for implementation by relevant staff. This has been included as mitigation measure NV40 in Section 11.6.
Vibration management	NV-7	Use lower vibration generating items of excavation plant and equipment (e.g. smaller capacity rock breaker hammers).	Construction	Section 11.6	Lower vibration generating items of excavation plant and equipment will be used to reduce impacts to sensitive receivers. This has been included as mitigation measure NV41 in Section 11.6.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Vibration management	NV-7	Minimise consecutive works in the same locality (if applicable).	Construction	Section 11.6	Consecutive works in the same locality will be minimised. This will be addressed through implementation of the Out of Hours Works Protocol and OOHW Permit To be verified during noise monitoring. This has been included as mitigation measure NV42 in Section 11.6.
Vibration management	NV-7	Use dampened rock breakers to minimise the impacts associated with rock breaking works.	Construction	Section 11.6	Dampened rock breakers will be used to minimise the impacts associated with rock breaking works. This has been included as mitigation measure NV43 in Section 11.6.
Vibration management	NV-7	If vibration intensive works are required within the safe working distances, vibration monitoring or attended vibration trials would be carried out to ensure that levels remain below the cosmetic damage criterion.	Construction	Section 9.1 Section 11.6 Section 12.3.6 Section 12.4	These areas will be identified through the Land Use Survey and the CNVIS. This has been included as mitigation measure NV44 in Section 11.6. Vibration monitoring or attended vibration trials will be undertaken where vibration intensive works are required has been included in the Noise and Vibration Monitoring Program.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Communication	NV-7	Building condition surveys would be completed both prior to the commencement of construction works and following the completion of construction works to identify existing damage and any damage due to the works.	Pre-construction	Section 11.6 Section 12.3.2	Prior to the commencement of construction works and following the completion of construction works, building condition surveys will be undertaken as described in Section 12.3.2. This has been included as mitigation measure NV45 in Section 11.6.
Communication	NV-7	Measurements of existing ambient vibration levels would be carried out at receivers with vibration sensitive equipment during the detailed design. This information would be used to inform the site-specific Construction Noise and Vibration Impact Statements for works near these locations.	Pre-construction	Section 12.3.4 Section 12.4	Measurements of existing ambient vibration levels has been included in the Noise and Vibration Monitoring Program.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Vibration management	NV-8	Mitigation and management measures to address potential noise and vibration impacts to facilities within the Westmead Research Zone would be implemented during construction. Mitigation and management measures would be determined in consultation with the facility operator / owner and informed by the sensitivity of impacted spaces prior to the commencement of construction. The mitigation and management measures (in addition to those provided in NV-1 to NV-7) could include: • Consultation with the affected facilities to determine periods when noise and/or vibration intensive works can occur with least impact. • Relocation of vibration sensitive equipment to less impacted locations within the facilities. • Vibration isolation of sensitive equipment predicted to have potential impacts.	Construction	Section 11.4 Section 9.1	A CAP will be developed to guide consultation with facilities within the Westmead Research Zone. The outcomes of the consultation and mitigation measures will be incorporated into CNVIS for works in the Westmead Precinct.

Outcome	Ref #	Commitment	Timing	NVMP Reference	How Addressed
Vibration management	NV-8	Unattended noise and vibration monitoring within the facilities to ensure noise and/or vibration levels are within acceptable levels.	Construction	Section 11.6 Section 12.3.6 Section 12.4	Unattended noise and vibration monitoring within facilities has been included in the Noise and Vibration Monitoring Program. This has been included as mitigation measure NV48 in Section 11.6.
Local traffic, transport and access	TT-28	Hours of when construction deliveries and spoil removal would be undertaken within the Parramatta CBD and Rosehill and Camellia precincts would be determined in consultation with the Sydney Coordination Office and Roads and Maritime Services.	Construction	Section 11.4	A CAP will be developed to guide consultation with Sydney Coordination Office and Roads and Maritime Services.

3.5 Environmental Performance Outcomes

Relevant Environmental Performance Outcomes (EPOs) are listed in **Table 3-3** below. This includes reference to requirement outcomes, the timing of when the commitment applies, and relevant documents or Sections of the environmental assessment influencing the outcome and implementation.

Table 3-3: Environmental Performance Outcomes relevant to this NVMP

ID Ref#	Environmental Performance Outcome	Timing	NVMP reference	How Addressed
EPO-NV-1	Noise levels would be minimised with the aim of achieving the noise management levels where feasible and reasonable.	Construction	Section 6 Section 11	The construction noise, ground-borne noise and vibration objectives are established in Section 6 based on relevant reference guidelines. The predicted construction noise and vibration impacts will be modelled throughout construction in the development of CNVIS. The control measures outlined in Section 11 will be implemented to achieve the noise and vibration objectives or ensure that suitable mitigation measures are implemented where the management levels are exceeded.

ID Ref#	Environmental Performance Outcome	Timing	NVMP reference	How Addressed
EPO-NV-2	The project would avoid any damage to buildings or heritage items from vibrations.	Construction	Section 9.1 Section 12.3	Damage to buildings or heritage items from vibrations will be managed through the process of steps outlined in this Sub-plan. This includes: • Identification of buildings or heritage items at risk of vibration impacts through a land use survey and consultation. • Assessment of potential vibration impacts in CNVISs. • Completion of Building Condition Survey Reports prior of works. • Establishment of vibration criteria and safe working distances for vibratory equipment. • Limitations on the size or type of equipment that can be used within the safe working distances for vibratory equipment. • Mandatory continuous monitoring with equipment with alarm / notification systems where plant or equipment must be used within or near the safe working distances for vibratory equipment. • Obligations on the JV to repair or compensate any damage to buildings of their contents because of vibration.

4 Consultation

In accordance with the CoA C5, this NVMP as a Sub-plan to the CEMP is required to be developed in consultation with EPA, NSW Health, City of Parramatta Council and Cumberland Council.

The consultation is intended to assist in the development and finalisation of the Sub-plan. **Table 4-1** summarises the relevant stakeholder reviews and their responses to review. A detailed consultation log and response to comments are provided in Appendix E.

This NVMP will be endorsed by the Environmental Representative (ER) prior to submission to DPIE for approval no later than one month prior to the commencement of construction. The Sub-plan, as submitted to DPIE, including any minor amendments approved by the ER, will be implemented for the duration of construction.

Table 4-1: Summary of Consultation and Approval

Agency	Requirement	Status	Response	Date
City of Parramatta Council	No requirements raised	Closed	Confirmed	08/07/19
Cumberland Council	No requirements raised	Closed	Confirmed	17/07/19
EPA	Suggested amendments to wording of some mitigation measures	Addressed	Confirmed	17/10/19
Parramatta Park Trust	Suggestions to address Flying Fox Colony in Parramatta Park in the NVMP	Closed	The Trust's concerns have been adequately addressed.	29/07/19
Health NSW – Westmead Precinct (including HAC and Cumberland Hospital)	Request consultation during construction planning	Addressed	Confirmed	1/11/19

5 Construction Hours of Work

5.1 Hours of Works

In accordance with the CoA E21 and E22, with the exception of 'Eat Street', works will be undertaken during the following hours:

- 7:00 am to 7:00 pm Mondays to Fridays, inclusive
- 8:00 am to 6:00 pm Saturdays
- At no time on Sundays or public holidays.

Construction outside the hours along 'Eat Street' will be established through consultation with affected business as outlined in the Business Activation Plan.

Works in the Camellia and Rosehill precincts (east of James Ruse Drive) and the Carlingford precinct (from Parramatta River to Victoria Road) will be undertaken 24 hours a day, seven days a week provided that sensitive receivers are not affected by noise levels of greater than 5 dBA above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), between 10:00 pm and 7:00 am.

Notwithstanding the CoA E21, noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories, operating theatres and mental health services and accommodation) will not be timetabled within sensitive periods, unless otherwise agreed with the affected institutions. This will be determined through ongoing consultation with the community during construction.

Except as permitted by an EPL, or through the Transport for NSW's Out-of-Hours Work Protocol, Highly Noise Intensive Works that result in an exceedance of the applicable Noise Management Level (NML) at the same sensitive receiver must only be undertaken:

- Between the hours of 8:00 am to 6:00 pm Monday to Friday;
- Between the hours of 8:00 am to 1:00 pm Saturday; and
- In continuous blocks not exceeding three (3) hours each with a minimum respite from those activities and works of not less than one (1) hour between each block.

For the purposes of this condition, 'continuous' includes any period during which there is less than a one (1) hour respite between ceasing and recommencing any of the work that are the subject of this condition.

5.2 Works Outside of Standard Hours of Works (Out-of-Hours)

Notwithstanding the approved construction hours in Section 5.1, works associated with the CSSI may be undertaken outside the hours specified under those conditions, only if one or more of the following circumstances applies:

- For the delivery of materials required by the NSW Police Force or other authority for safety reasons
- Where it is required in an emergency to avoid injury or the loss of life, to avoid damage or loss of property or to prevent environmental harm or
- Where different hours of works are permitted or required under an EPL in force in respect of the CSSI or
- Works approved under an Out-of-Hours Work Protocol for works not subject to an EPL or
- Construction that causes LAeq(15 minute) noise levels:

- no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009), and
- no more than the 'Noise affected' noise management levels specified in Table 3 of the Interim Construction Noise Guideline (DECC, 2009) at other sensitive land uses, and
- no more than 15dBA above the night-time rating background level at any residence during the night time period, when measured using the LA1(1 minute) noise descriptor, and
- continuous or impulsive vibration values, measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.2 of Assessing Vibration: a technical guideline (DEC, 2006), and
- intermittent vibration values measured at the most affected residence are no more than the maximum values for human exposure to vibration, specified in Table 2.4 of Assessing Vibration: a technical guideline (DEC, 2006).

The JV was issued EPL Number 21347 on the 3 January 2020 for Railway activities - railway infrastructure construction. The EPL includes conditions permitting works to be undertaken outside of the approved working hours that are substantially consistent with the Planning Approval. The Out of Hours Works Protocol does not apply to works subject to EPL.

6 Construction Noise and Vibration Objectives

The EPA recommends management levels and goals when assessing construction noise and vibration. These are outlined in:

- Interim Construction Noise Guideline (ICNG)
- Assessing Vibration: a technical guideline (AVTG)
- ANZECC, Technical Basis for Guidelines to Minimise Annoyance due to Blasting Overpressure and Ground Vibration.

The TfNSW Construction Noise and Vibration Strategy (see Section 3.2) also provides direction for establishing noise and vibration criteria.

Relevant elements of these documents are summarised and discussed in this section.

6.1 Construction noise and assessment objectives

The ICNG provides guidelines for the assessment and management of construction noise. The ICNG focuses on applying a range of work practices to minimise construction noise impacts rather than focusing on achieving numeric noise levels.

The main objectives of the ICNG are to:

- Identify and minimise noise from construction works
- Focus on applying all ‘feasible’ and ‘reasonable’ work practices to minimise construction noise impacts
- Encourage construction during the recommended standard hours only, unless approval is given for works that cannot be undertaken during these hours
- Reduce time spent dealing with complaints at the project implementation stage
- Provide flexibility in selecting site-specific feasible and reasonable work practices to minimise noise impacts.

6.2 Construction Noise Management Levels

6.2.1 Residential Receivers

The ICNG provides an approach for determining LAeq(15minute) NMLs at adjacent residential receivers based on the measured LA90(15minute) RBL, as described in **Table 6-1**.

Table 6-1: NMLs at Residential Receivers

Time of Day	NML LAeq(15minute)	How to Apply
Standard hours Monday to Friday 7:00 am to 7:00 pm Saturday 8:00 am to 6:00 pm No work on Sundays or public holidays	RBL + 10 dBA	• The noise affected level represents the point above which there may be some community reaction to noise. • Where the predicted or measured LAeq(15minute) is greater than the noise affected level, the proponent should apply all feasible and reasonable work practises 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.

Standard Highly Noise Affected hours
Monday to Friday 8:00 am to 6:00 pm
AND
Saturday 8:00 am to 1:00 pm
In continuous blocks not exceeding three (3) hours each with a minimum respite from
those activities and works of not less than one (1) hour between each block.
No work on Sundays or public holidays
	Highly Noise Affected 75 dBA	• The Highly Noise Affected (HNA) 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 restructuring the hours that the very noisy activities can occur, considering:
		  • 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	RBL + 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 practises have been applied and noise is more than 5 dBA above the noise affected level, the proponent should negotiate with the community.

Note 1 The RBL is the overall single-figure background noise level measured in each relevant assessment period (during or outside the recommended standard hours). The term RBL is described in detail in the Noise Policy for Industry.

6.2.2 Sleep Disturbance

The most recent guidance in relation to sleep disturbance is contained in the Noise Policy for Industry (2017).

Where construction is required to be undertaken during the night-time period, the potential for sleep disturbance will be assessed. The current approach to identifying potential sleep disturbance impacts is to set a screening criterion 15 dB above the RBL (or >65dB whichever is lower), or >40dB ground-borne noise, during the night-time period (10.00 pm to 7.00 am).

The term 'screening criterion' indicates a noise level that is intended as a guide to identify the likelihood of sleep disturbance. It is not a firm criterion to be met, however where the criterion is met, sleep disturbance is unlikely. When the screening criterion is not met, a more detailed analysis is required.

6.2.3 Commercial and Industrial Premises

The ICNG notes that due to the broad range of sensitivities that commercial or industrial land can have to noise from construction, the process of defining management levels is separated into three categories:

- Industrial premises: external LAeq(15minute) 75 dBA
- Offices, retail outlets: external LAeq(15minute) 70 dBA
- Other businesses that may be very sensitive to noise, where the noise level is project specific as discussed below.

The external noise levels will be assessed at the most-affected occupied point of the premises.

Potentially noise and vibration sensitive small business receivers (i.e. childcare centres, cafes/bars/restaurants, etc), which have been identified in the project area have been assessed against specific criteria as detailed in Section 6.2.4.

6.2.4 Other Sensitive Land Uses

The ICNG's quantitative assessment method provides NMLs for other sensitive land uses, such as educational institutes, hospitals, medical facilities and outdoor recreational areas. These land uses are considered potentially sensitive to construction noise only when the properties are in use.

The project specific LAeq(15minute) NMLs for other non-residential noise sensitive receivers from the ICNG are provided in **Table 6-2.**

Table 6-2: ICNG NMLs for Other Sensitive Receivers

Land Use	NML LAeq(15minute) (Applied when the property is in use)
Classrooms at schools and other education institutions	Internal noise level 45 dBA
Hospital wards and operating theatres	Internal noise level 45 dBA
Places of Worship	Internal noise level 45 dBA
Active recreation areas (characterised by sporting activities and activities which generate their own noise or focus for participants, making them less sensitive to external noise intrusion)	External noise level 65 dBA

Land Use	NML LAeq(15minute) (Applied when the property is in use)
Passive recreation areas (characterised by contemplative activities that generate little noise and where benefits are compromised by external noise intrusion, e.g. reading, meditation)	External noise level 60 dBA
Community centres	Depends on the intended use of the centre. Refer to the recommended 'maximum' internal levels in AS 2107 for specific uses.

For sensitive receivers such as hospitals, schools and places of worship, the NMLs presented in **Table 6-2** are based on internal noise levels. For this assessment, it is conservatively assumed that all schools and places of worship have openable windows. On the basis that external noise levels are typically 10 dB higher than internal noise levels when windows are open, an external NML of 55 dBA LAeq(15minute) has been adopted.

Other noise-sensitive receivers require separate project specific noise goals and, as per the guidance in the ICNG, NMLs for these receivers have been derived from the internal levels presented in AS 2107. The project specific NMLs for other sensitive receivers are presented in **Table 6-3**.

Table 6-3: NMLs for Project Specific Other Sensitive Receivers

Land Use	NML LAeq(15minute)		NML Derived From
	Internal	External	
Theatre / Auditorium	30 dBA	50 dBA[1]	AS2107 for drama theatre
Court / Tribunal	35 dBA	55 dBA[1]	AS2107 for court rooms
Childcare Centre	60 dBA play areas	70 dBA[2] play area	ICNG outdoor passive recreation
	40 dBA sleeping area	50 dBA[2] sleeping area	AS2107 for residential sleeping areas near to major roads
Library	45 dBA	55 dBA[2]	AS2107 for reading areas
Public Building	50 dBA	60 dBA[2]	AS2107 for public space
Café/bar/restaurant	50 dBA	60 dBA[2]	AS2107 for coffee bar
Stables	-	60 dBA[2]	ICNG outdoor passive recreation

Note 1: These receivers are typically well insulated from external noise break-in. For this assessment, a minimum (conservative) outside-to-inside attenuation of 20 dB has been assumed. The corresponding external noise goal is therefore the internal NML +20 dB.

Note 2: Receiver conservatively assumed to have openable windows and a 10 dB outside to inside facade performance.

6.2.5 Construction Road Traffic Noise Guidelines

When trucks and other vehicles are operating within the boundaries of construction sites, road vehicle noise contributions are included in the predicted LAeq(15minute) noise emissions and assessed against the ICNG criteria in Section 6.2.1.

When construction related traffic moves onto the public road network a different noise assessment methodology is appropriate, as vehicle movements are regarded as 'additional road traffic' rather than as part of the works and are assessed under the RMS Road Noise Policy (RNP).

As required by the RNP, an initial screening test should first be applied by evaluating whether noise levels would increase by more than 2 dB (an increase in the number vehicles of approximately 60%) due to construction traffic or a temporary reroute due to a road closure.

Where noise levels increase by more than 2 dB (i.e. 2.1 dB or greater) further assessment is required using the criteria presented in the RNP, as reproduced below in **Table 6-4**.

Table 6-4: RNP Criteria for Assessing Construction Vehicles on Public Roads

Road Category	Type of Project/Land Use	Assessment Criteria	
		Daytime (7am-10pm)	Night-time (10pm-7am)
Freeway/ arterial/sub-arterial roads	Existing residences affected by additional traffic on existing freeways/arterial/sub-arterial roads generated by land use developments	LAeq(15hour) 60 (external)	LAeq(9hour) 55 (external)
Local roads	Existing residences affected by additional traffic on existing local roads generated by land use developments	LAeq(1hour) 55 (external)	LAeq(1hour) 50 (external)

6.3 Construction Ground-borne Noise Guideline

Ground-borne noise criteria are applicable when ground-borne noise levels are higher than the corresponding airborne noise levels. The NMLs for ground-borne noise in the ICNG are based on ground-borne noise levels at residences for evening and night-time periods only, as the ICNG objectives are to protect the amenity and sleep of people when at home.

The ICNG has established following ground-borne NMLs for residences:

- Evening LAeq(15minute) 40 dBA
- Night-time LAeq(15minute) 35 dBA.

These NMLs are applicable to residences and commercial receivers located near to construction activities where ground-borne noise levels are higher than airborne noise levels, such as rock breaking. This situation may occur at construction sites where airborne noise levels are shielded by noise barriers or other structures, or sensitive areas within residential or commercial buildings which are removed from the airborne noise impacts due to their location within the building, such as theatres or underground studios.

6.4 Construction Vibration criteria

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

- Human comfort – those in which the occupants or users of the building are inconvenienced or possibly disturbed
- Structural or cosmetic damage – those in which the integrity of the building or the structure itself may be prejudiced (i.e. cosmetic damage)
- Effects on building contents – those where the building contents may be affected (such as vibration sensitive scientific or medical equipment).

6.4.1 Human Comfort Vibration

The EPA's Assessing Vibration: a technical guideline (2006) provides guideline values for continuous, transient and intermittent events that are based on a Vibration Dose Value (VDV) rather than a continuous vibration level. The VDV is dependent upon the level and duration of the vibration event, as well as the number of events occurring during the daytime or night-time period.

The VDVs recommended in the guideline for vibration that is intermittent nature are presented in **Table 6-5**.

Table 6-5: Preferred and Maximum Vibration Dose Values for Intermittent Vibration

Building Type	Vibration Does Value ($m/s^{1.75}$)	
	Preferred	Maximum
Critical Working Areas (e.g. hospital operating theatres, precision laboratories)	0.10	0.20
Residential Daytime	0.20	0.40
Residential Night-time	0.13	0.26
Offices, schools, educational institutions and places of worship	0.40	0.80
Workshops	0.80	1.60

Note: Daytime is 7:00 am to 10:00 pm and night-time is 10:00 pm to 7:00 am.

6.4.2 Structural Damage Vibration

Structural damage vibration limits are based on Australian Standard AS 2187: Part 2-2006 Explosives - Storage and Use - Part 2: Use of Explosives and British Standard BS 7385 Part 2-1993 Evaluation and measurement for vibration in buildings Part 2. These standards provide frequency-dependent vibration limits related to cosmetic damage, noting that cosmetic damage is very minor in nature, is readily repairable and does not affect the structural integrity of the building.

The recommended vibration limits from BS 7385 for transient vibration for minimal risk of cosmetic damage to residential and industrial buildings are shown in **Table 6-6**.

Table 6-6: Transient Vibration Guide Values - Minimal Risk of Cosmetic Damage

Line	Type of Building	Peak Component Particle Velocity in Frequency Range of Predominant Pulse	
		4 Hz to 15 Hz	15 Hz and Above
1	Reinforced or framed structures. Industrial and heavy commercial buildings	50 mm/s at 4 Hz and above	
2	Unreinforced or light framed structures. Residential or light commercial type buildings	15 mm/s at 4 Hz increasing to 20 mm/s at 15 Hz	20 mm/s at 15 Hz increasing to 50 mm/s at 40 Hz and above

Note: Based on BS 7385-2

6.4.3 General Vibration Screening Criterion

The guide values in **Table 6-6** 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 the lower frequencies where lower guide values apply, then the guide values may need to be reduced by up to 50%. Rock breaking / hammering activities are considered to have the potential to cause dynamic loading in some structures (e.g. residences) and it is therefore appropriate to reduce the transient values by 50%.

For construction activities involving intermittent vibration sources such as rock breakers, piling rigs, vibratory rollers and excavators, the predominant vibration energy occurs at frequencies greater than 4 Hz (and usually in the 10 Hz to 100 Hz range). On this basis, a conservative vibration damage screening level per receiver type is given below:

- Reinforced or framed structures: 25.0 mm/s
- Unreinforced or light framed structures: 7.5 mm/s.

At locations where the predicted and/or measured vibration levels are greater than shown above (peak component particle velocity) monitoring will be performed during construction. At these locations a more detailed analysis of the building structure, vibration source, dominant frequencies and dynamic characteristics of the structure would be undertaken to determine the applicable safe vibration level.

6.4.4 Heritage Buildings

Heritage buildings will be considered on a case by case basis, and detailed inspections of heritage listed structures should be undertaken for all potentially affected heritage structures prior to the commencement of works.

In accordance with BS 7385, a heritage listed structure should not (unless it is structurally unsound) be assumed to be more sensitive to vibration resulting in application of the 7.5 mm/s screening criterion. Where a historic building is however deemed to be sensitive to damage from vibration (following inspection), a more conservative superficial cosmetic damage criterion of 2.5 mm/s peak component particle velocity (from DIN 4150) should be applied.

As detailed in Section 12.3.6, vibration testing will also be conducted both before and during vibration generating activities that have the potential to impact on heritage items to identify minimum working distances to prevent cosmetic damage, as per CoA E43.

6.4.5 Indicative minimum working distances for vibration intensive equipment

The minimum working distances for typical items of vibration intensive plant are listed in **Table 6-7**. The minimum working distances are quoted for both "cosmetic" damage (refer BS 7385) and human comfort (refer OEH's Assessing Vibration – a technical guideline).

Table 6-7: Recommended minimum working distances from vibration intensive equipment

Plant Item	Approximate Size / Weight / Model	Minimum Distance – Cosmetic Damage (BS 7385)	Minimum Distance – Human Response (OE&H Vibration Guideline)
Vibratory Roller	1-2 tonne	5 m	15 m
	2-4 tonne	6 m	20 m
	4-6 tonne	12 m	40 m
	7-13 tonne	15 m	100 m
	13-18 tonne	20 m	100 m
	>18 tonne	25 m	100 m
Small Hydraulic Hammer	300 kg (5 to 12t excavator)	2 m	7 m
Medium Hydraulic Hammer	900 kg (12 to 18t excavator)	7 m	23 m
Large Hydraulic Hammer	1600 kg (18 to 34t excavator)	22 m	73 m
Pile Driver – Vibratory	Sheet piles	2 – 20m	20 m
Piling Rig – Bored	≤ 800 mm	2 m (nominally)	n/a
Piling Rig – Hammer	12 t down force	15m	50 m
Jackhammer	Hand held	1 m (nominal)	Avoid contact with structure

Table adapted from the TfNSW Construction Noise and Vibration Strategy

6.4.6 Effects on Building Contents (including Sensitive Scientific and Medical Equipment)

People can perceive floor vibration at levels well below those likely to cause damage to building contents or affect the operation of typical equipment found in most buildings that is not particularly vibration sensitive. For most receivers, the controlling vibration criterion is the human comfort criterion, and it is therefore not normally required to set separate criteria in relation to the effect of construction vibration on typical building contents.

Some scientific equipment (e.g. electron microscopes and microelectronics manufacturing equipment) can require more stringent vibration objectives than those applicable to human comfort.

Where it has been identified that vibration sensitive scientific and/or medical instruments are likely to be in use inside the premises of an identified vibration sensitive receiver, objectives for the satisfactory operation of the instrument should be sourced from manufacturer's data through or through consultation with facility operators.

Where manufacturer's data is not available, baseline vibration monitoring (refer to Section 12.3.6) will inform the criteria specific to identified receptors.

6.4.7 Utilities and Other Vibration Sensitive Structures

Where structures and utilities are encountered which may be particularly sensitive to vibration, a vibration goal which is more stringent than the structural damage goals presented in Section 6.4.2 may need to be adopted. Examples of such structures and utilities could include:

- Tunnels
- Gas pipelines (including the jet fuel pipeline at Camellia)
- Fibre optic cables.

Specific vibration goals should be determined on a case-by-case basis during detailed design. An acoustic consultant will be engaged and will liaise with the structure or utility's owner to determine acceptable vibration levels.

7 Background noise and Noise Sensitive Receivers

7.1 Baseline noise and noise management levels

To quantify and characterise the existing ambient noise environment across the project area, a baseline noise monitoring survey was undertaken in October 2016 (EIS Technical Paper 13 – Noise and Vibration Impact Assessment). The measured background noise levels were used to establish the existing noise environment along the route and to assist with the determination of noise goals. These residential NMLs derived for the project are detailed in **Table 7-1**.

The noise monitoring locations were selected to capture background noise levels at the typically most affected receiver locations in the various catchments along the alignment. The most affected receivers are usually adjacent receivers that have a direct line of sight to the construction works.

Whilst background noise levels may reduce for receivers which are further back from the construction works (and nearby roads), the construction noise predictions are likely to drop off at a quicker rate meaning the level of impact would be lower than the most affected 'front row' receivers.

Table 7-1: Noise Management Levels at Residential Receivers

PLR Precinct	NCA	Logger ID	Noise Monitoring Location	Rating Background Level (RBL) L_{A90}			Noise Management Level (NML) $L_{Aeq(15min)}$				Sleep Disturbance L_{Amax}
				Day	Eve	Night	Day	Day (OOH)	Eve	Night	
Westmead	NCA01	BG01	8-12 Alexandra Ave, Westmead	49	47	37	59	54	52	42	52
	NCA02	BG02	157 Hawkesbury Rd, Westmead	51	48	43	61	56	53	48	58
	NCA03	BG02	199 Hawkesbury Rd, Westmead	51	48	43	61	56	53	48	58
	NCA04	BG03	Cumberland Hospital East	49	48	47	59	54	53	52	62
	NCA05	BG03	55 O'Connell St, North Parramatta	49	48	47	59	54	53	52	62
Parramatta North	NCA06	BG04	St Patricks Cemetery, North Parramatta	42	41	41	52	47	46	46	5
	NCA07	BG06	20 Victoria Rd, Parramatta	51	50	39	61	56	55	44	54
Parramatta CBD	NCA08	BG07	Arthur Phillip Highschool, Parramatta	59	57	46	69	64	62	51	61
	NCA09	BG08	9 Noller Pde, Parramatta	58	53	43	68	63	58	48	58
	NCA10	BG09	5 Hope St, Rosehill	43	40	34	53	48	45	39	49

PLR Precinct	NCA	Logger ID	Noise Monitoring Location	Rating Background Level (RBL) L_{A90}			Noise Management Level (NML) $L_{Aeq(15min)}$				Sleep Disturbance L_{Amax}
				Day	Eve	Night	Day	Day (OOH)	Eve	Night	
Rosehill and Camellia	NCA11	BG09	14 Dudley St, Rydalmere	43	40	34	53	48	45	39	49
	NCA12	BG10	Dundas Station	51	48	41	61	56	53	46	56
	NCA12A	BG17[1]	10-42 East Street, Granville	43	45	42	53	48	48	47	57
	NCA13	BG10	22 Adderton Rd, Telopea	51	48	41	61	56	53	46	56
Carlingford	NCA14	BG11	Telopea Station	45	43	38	55	50	48	43	53
	NCA15	BG12	89 Marshall Rd, Telopea	45	43	37	55	50	48	42	52
	NCA16	BG13	Carlingford Station	46	42	34	56	51	47	39	49
	NCA17	BG14	8-12 Alexandra Ave, Westmead	43	40	31	53	48	45	36	46
	NCA18	BG15	157 Hawkesbury Rd, Westmead	42	40	32	52	47	45	37	47
	NCA19	BG16	199 Hawkesbury Rd, Westmead	52	47	39	62	57	52	44	54

Notes: 1. Resonate Acoustics Acoustic Planning Report: East and Cowper Streets Granville Residential Development (S15235) July 2016

7.2 Precincts, Noise Catchment Areas and Surrounding Land Uses

The project is located in the urban environment of Westmead, North Parramatta, Parramatta CBD and Camellia with much of the project in this section being within established road transportation corridors. The project would also use the existing heavy rail corridor of the Carlingford Line, travelling through the suburbs of Dundas, Telopea and Carlingford.

The existing ambient noise environment surrounding the route is variable, with road traffic noise typically the primary influence. In addition to road traffic, the CBD is influenced by general urban hum from mechanical plant and pedestrian activities. Existing noise levels are generally higher nearer to the CBD than in the surrounding suburbs. During the evening and night-time in the suburban areas the ambient noise decreases in locations where road traffic volumes are seen to reduce.

The five precinct areas used to assess the project reflect the changing land uses adjacent to the project and are detailed in **Table 7-2** together with corresponding Noise Catchment Areas (NCAs) that have been used to represent each of the precincts. The location of the various precincts, NCAs and EIS noise monitoring locations are indicated in **Figure 7-1** and **Figure 7-2**.

Table 7-2: Precincts, Noise Catchment Areas and Surrounding Land Uses

Precinct	NCAs	Minimum Distance (m)[1]	Description
Westmead	NCA01	105 m	Residential receivers except for Westmead Public School and a small number of commercial receivers.
	NCA02	5 m	Mostly buildings and land usages associated with Marist High School, Western Sydney University (Westmead) and Westmead Hospital including Westmead Institute for Medical Research (WIRM).
	NCA03	5 m	Residential receivers, with some commercial and medical receivers directly adjacent to the project alignment.
	NCA04	5 m	Residential receivers except for Westmead Church and Wesley Lodge.
	NCA05	5 m	Mostly medical receivers (facilities and patients) associated with The Children's Hospital at Westmead and Cumberland Hospital (West) including the Children's Medical Research Institute (CMRI) and Kids Research, together with some residential receivers.
Parramatta North	NCA06	5 m	Predominantly medical receivers (facilities and patients) associated with Cumberland Hospital (East) and some residential receivers. Adjacent to Parramatta Park and the Grey-headed flying fox colony.
	NCA07	5 m	Residential and commercial receivers.

Precinct	NCAs	Minimum Distance (m)[1]	Description
Parramatta CBD	NCA08	5 m	Residential and commercial receivers as well as places of worship and educational receivers further from the project alignment. Outdoor dining areas associated with cafes and restaurants along Eat Street.
	NCA09	5 m	Commercial, educational and residential receivers are directly adjacent to the project alignment.
	NCA10	160 m	Residential receivers and educational receivers associated with Macarthur Girls High School are situated across the river from the project alignment.
Rosehill and Camellia	NCA11	5 m	Residential and commercial receivers.
	NCA12	5 m	Commercial receivers as well as residential receivers further from the project alignment. Rosehill Racecourse.
	NCA12A	900 m	Mixed commercial, industrial and residential receivers surrounding Clyde Junction. Educational receivers associated with Granville Boys High School.
	NCA13	5 m	Commercial and industrial receivers.
Carlingford	NCA14	10 m	Mostly commercial receivers and educational receivers associated with Western Sydney University (Parramatta), as well a small group of residential receivers.
	NCA15	5 m	Residential receivers, however also commercial receivers and educational receivers associated with Dundas Public School.
	NCA16	5 m	Residential receivers.
	NCA17	5 m	Residential receivers.
	NCA18	5 m	Residential receivers.
	NCA19	5 m	Residential and some commercial receivers.

Note 1: Approximate minimum horizontal distance from track centre to nearest receiver building facade (receiver of any type).

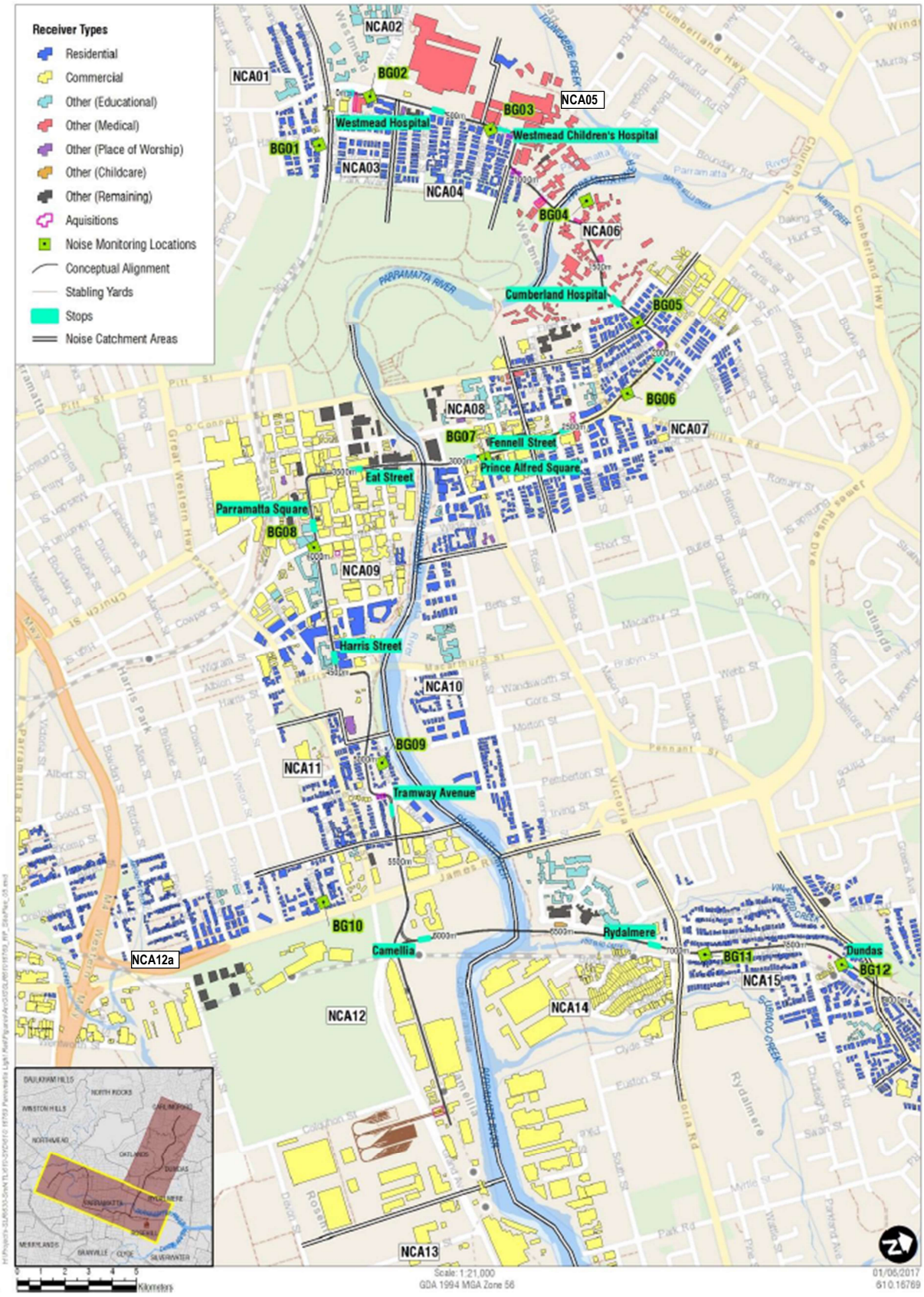


Figure 7-1: Site Plan and Monitoring Locations (Westmead, Parramatta and Camellia)

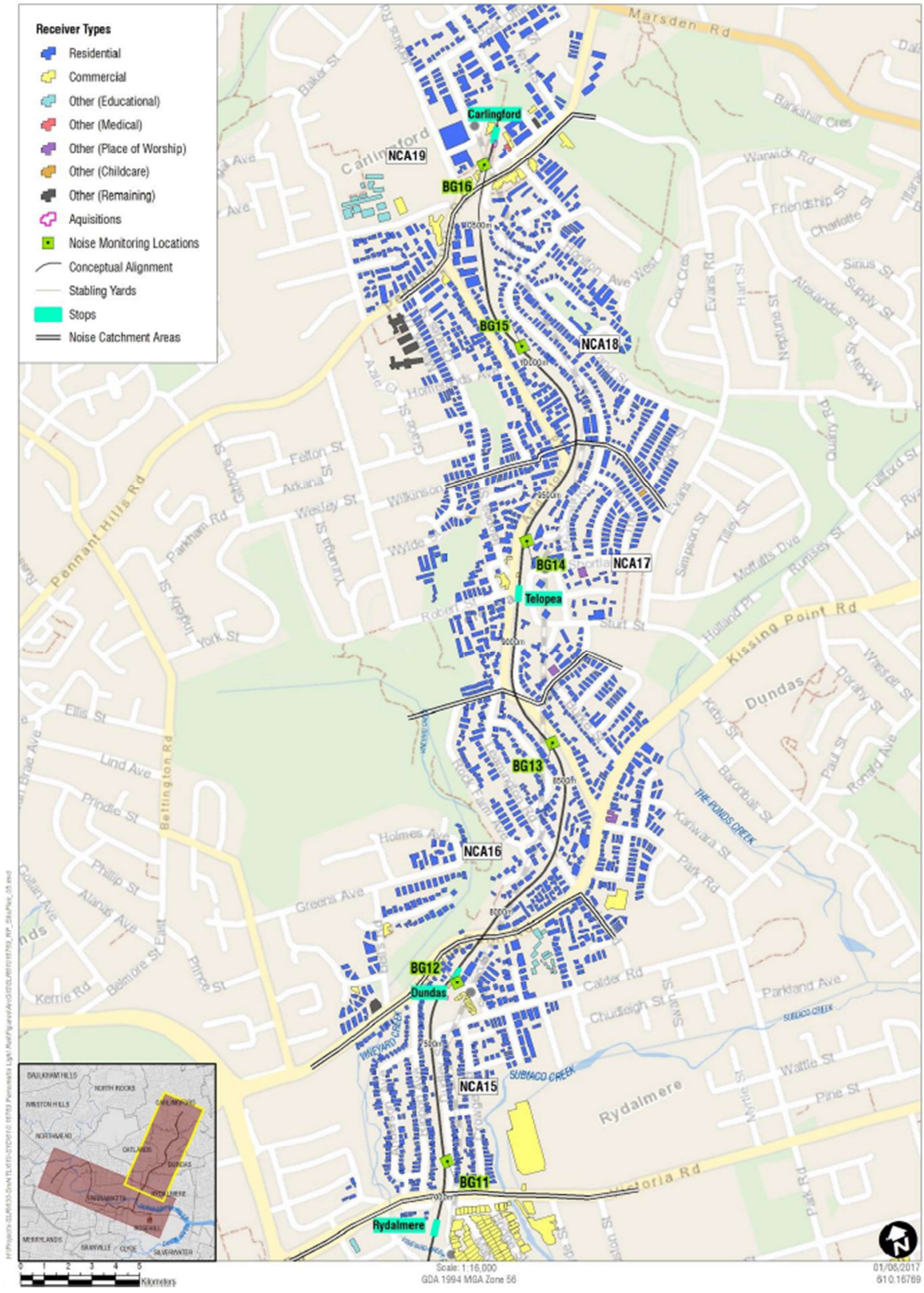


Figure 7-2: Site Plan and Monitoring Locations (Carlingford)

7.3 Sensitive receivers

The sensitivity of receivers to noise and vibration is dependent upon the occupancy type and the nature of the activities performed within the affected premises. Sensitivity to noise is a subjective response varying for different individuals and can depend on the existing noise environment.

For this assessment, receivers potentially sensitive to noise and vibration are categorised as:

- Residential dwellings
- Commercial and industrial properties
- Other – education institutions
- Other – childcare centres
- Other – medical (hospital wards or other uses including medical centres)
- Other – aged care facilities (including nursing homes)
- Other – places of worship
- Other – outdoor open areas (passive and active recreation)
- Other (such as theatres, public buildings, hotels/motels, bars/cafes, etc).

These are depicted in the land use receivers map included in Appendix B.

Small business receivers (i.e. childcare centres, cafes/bars/restaurants, etc) that are potentially sensitive to impacts from the project have been identified and considered in both the construction and operational assessments.

The Grey-headed flying fox camp in Parramatta Park is also considered a noise and vibration sensitive receiver that must be considered in the programming of works in accordance with the Grey-headed flying fox Monitoring Program.

Receivers sensitive to noise and vibration (other than residential dwellings or commercial premises) identified in proximity to the proposed alignment are detailed in **Table 7-3**.

Table 7-3: Other Noise and Vibration Sensitive Receivers

Precinct	NCAs	Description[3]	Address[1]	Type
Westmead	NCA01	Westmead Public School	10 Grand Avenue, Westmead	Educational
	NCA02	Parramatta Marist High School	2 Darcy Road, Westmead	Educational
		Western Sydney University (Westmead)	160 Hawkesbury Road, Westmead	Educational
		Westmead Hospital	Hawkesbury Road, Westmead	Medical

Precinct	NCAs	Description[3]	Address[1]	Type
		Westmead Institute for Medical Research	176 Hawkesbury Road, Westmead	Medical
	NCA03	Medical Centre	7 Ashley Lane, Westmead	Medical
	NCA04	Wesley Lodge	175 Hawkesbury Road, Westmead	Hotel
		Westmead Church	37 Queens Road, Westmead	Place of Worship
	NCA05	Cumberland Hospital West campus	Hainsworth Street, Westmead	Medical[2]
				Magistrate Tribunal[2]
		The Children's Hospital of Westmead	Redbank Road, Westmead	Medical
		Children's Medical Research Institute	214 Hawkesbury Road, Westmead	Medical
		Kids Research Institute	178 Hawkesbury Road, Westmead	Medical
Parramatta North	NCA06	Cumberland Hospital East campus	Fleet Street, Westmead	Medical
		Hope Hostel	2B Fleet Street, North Parramatta	Aged Care
		Southern Cross Care Marian Nursing Home	2A Fleet Street, North Parramatta	Aged Care
		Uniting Lilian Wells North Parramatta	2 Fennell Street, Parramatta	Aged Care
		Grey-headed Flying fox colony	Parramatta Park	Wildlife

Precinct	NCAs	Description[3]	Address[1]	Type
	NCA07	All4Kids Family Day Care / After School Care	465 Church Street, North Parramatta	Child Care
		Parramatta North Public School	8 Harold Street, Parramatta	Educational
		15 Harold Street	15 Harold Street, Parramatta	Aged Care
		Café Lipari	440 Church Street, Parramatta	Café/bar
Parramatta CBD	NCA08	St Patrick's Primary	8 Ross Street, Parramatta	Educational
		Our Lady of Mercy College	2 Victoria Road, Parramatta	Educational
		Riverside Theatres	353 Church Street, Parramatta	Theatre
		Various café/bars	Church Street, Parramatta	Café/bar
	NCA09	Parkroyal	30 Phillip Street, Parramatta	Hotel
		Parramatta Local Court	12 George Street, Parramatta	Court
		Woolpack Hotel	19 George Street, Parramatta	Hotel
		UNE Future campus	211 Church Street, Parramatta	Educational
		St John's Anglican Cathedral Church	195 Church Street, Parramatta	Place of Worship
		Leigh Memorial Church	119 Macquarie Street, Parramatta	Place of Worship
		Parramatta Town Hall	95 Macquarie Street, Parramatta	Public Building

Precinct	NCAs	Description[3]	Address[1]	Type
		UWS One Parramatta Square	Parramatta Square	Educational
		Arthur Phillip High School	175 Macquarie Street, Parramatta	Educational
		Parramatta Public School	3 Marist Place, Parramatta	Educational
		Rowland Hassall School	34 Hassall Street, Parramatta	Educational
		Church of St John the Baptist	163 George Street, Parramatta	Place of Worship
		Various café/bars	Church/Eat Street, Parramatta	Café/bar
	NCA10	-	-	-
Rosehill and Camellia	NCA11	-	-	-
	NCA12	Mecure Sydney Parramatta	106 Hassall Street, Rosehill	Hotel
		Rosehill Community Preschool	103 Hassall Street, Rosehill	Educational
	NCA12A	Granville Boys High	14 Mary Street, Granville	Educational
		Milcom Institute	1/47 Parramatta Road, Granville	Educational
		The Cottage Pre- School	6-8 Factory Street, Granville	Child Care
		Granville World of Learning	20/22 Alfred Street, Granville	Child Care
		Berea Holy Joy Church	32 George Street, Clyde	Place of Worship

Precinct	NCAs	Description[3]	Address[1]	Type
		St Athanasius Ukrainian Orthodox Church	45 William St, Granville	Place of Worship
		St Marks Anglican Church	39 Jamieson St, Granville	Place of Worship
		Granville Community Baptist Church	104 South St, Granville	Place of Worship
		Granville Memorial Park	Enid Ave, Granville	Active recreation
	NCA13	-	-	-
Carlingford	NCA14	Western Sydney University Parramatta	Parramatta	Educational[2]
				Child Care[2]
				Auditorium[2]
				Library[2]
	NCA15	Dundas Public School	85 Kissing Point Road, Dundas	Educational
	NCA16	Uniting Church in Australia	139 Kissing Point Road, Dundas	Place of Worship
	NCA17	Sydney Young Nak Presbyterian Church	7 Manson Street, Telopea	Place of Worship
		Telopea Christian Centre	16 Shortland Street, Telopea	Place of Worship
	NCA18	-	-	-
	NCA19	Carlingford Branch Library	17 Lloyds Avenue, Carlingford	Public Building

Note 1: Address is approximate and has been generated from a NSW Land and Property Information (LPI) database and has not been verified on site.

Note 2: Where multiple receiver types have been identified in the same campus, the appropriate criteria have been applied to each individual building.

Note 3: Lists land use survey ID number specific to land use receivers

7.4 Heritage buildings

Heritage listed items identified within the cosmetic damage screening criteria minimum working distances are listed in **Table 7-4**.

Table 7-4: Heritage Items Identified Within Cosmetic Damage Minimum Safe Working Distance

NCA	Item	Location
NCA05	Cumberland Hospital including Wisteria Gardens	Cumberland Hospital (West)
NCA06	Stone kerbing and tree planting	Fleet Street
	Heritage brick drain	Cumberland Hospital (East)
	Cumberland Hospital including Wisteria Gardens	Cumberland Hospital (East)
NCA07	Norfolk House and potential archaeological site	Church Street
	Single storey residence and potential archaeological site	Church Street
	Roman Catholic Cemetery	Church Street
	Former bakery and potential archaeological site	Church/Harold Street
	Bicycle shop	Church/ Fennell Street
	Shop	Church Street
	Commercial building	Church Street
	Stable and potential archaeological site	Church Street
NCA08	Alfred Square and potential archaeological site	Church Street
	Anthony Malouf and Co	Church Street
	Horse Trough	Church Street
	Lennox Bridge	Church Street
	Royal Oak Hotel and stables and potential archaeological site	Church/Ross Street
	St Peter's Uniting Church and potential archaeological site	Church/Palmer Street

NCA	Item	Location
NCA09	Archaeological terrestrial	Church Street
	Former ANZ bank and potential archaeological site	Church Street
	Sandstone and brick wall	Church Street
	Telstra House (former post office) and potential archaeological site	Church Street
	HMV (former Commonwealth Bank) and potential archaeological site	Church Street
	Archaeological/terrestrial	Church Street
	Various Shops	Church Street
	Parramatta House and potential archaeological site	Church Street
	Archaeological/terrestrial	Church Street
	Shop and potential archaeological site	Church Street
	Shops and potential archaeological site	Church Street
	Former court house wall, sandstone cellblock and potential archaeological site	Church Street
	Horse parapet facade and potential archaeological site	Church Street
	Archaeological/terrestrial	Church Street
	Shop and potential archaeological site	Church Street
	Shop, office and potential archaeological site	Church Street
	Shop and potential archaeological site	Church Street
	Shop and potential archaeological site	Church Street
	Shop and potential archaeological site	Church Street
	Westpac Bank	Church Street
	Shop and potential archaeological site	Church Street
	Former David Jones Department Store	Church Street
	Shops and offices	Church Street
NCA 10	Bicentennial Square and adjoining buildings	Macquarie Street
	Convict barracks wall	Macquarie Street

NCA	Item	Location
	Kia Ora and potential archaeological site	Macquarie Street
	Bicentennial Square and adjoining buildings	Macquarie Street
	Convict drain	Macquarie Street
	Centennial memorial clock	Macquarie Street
	Arthur Phillip High School and potential archaeological site	Macquarie Street
	Murrays' Building and potential archaeological site	Macquarie Street
	Leigh memorial Uniting Church	Macquarie Street
	Cottages and potential archaeological site	Barrack Lane
	Convict barracks wall	Barrack Lane
	Robin Thomas Reserve	Harris Street
	HMAS Parramatta shipwreck and memorials	George Street
	Tara (also known as Ellengowan)	George Street
	Queen's Wharf Reserve and stone wall and potential archaeological site	George Street
NCA11	Cottage	George Street
	Trees in median strip	George Street
	Bulimba	George Street
	Residential flats and houses	George Street
NCA12	Sewage Pumping Station 67	Grand Avenue
	Tram alignment	Grand Avenue
	Grave of Eliner Magee & child	Carlingford Line
	Clyde Carlingford Rail Bridge abutments	Carlingford Line
NCA12A	Granville Town Hall, 10 Carlton Street, Granville	Rosehill and Camellia
	The Barn, 138 Parramatta Road, Granville	Rosehill and Camellia
	Chateau Blanc, 51 South Street, Granville	Rosehill and Camellia
	3-5 A'Beckett Street, Granville	Rosehill and Camellia
	Latalda, 20 A'Beckett Street, Granville	Rosehill and Camellia

NCA	Item	Location
	Conjoined residences, 22, 24 A'Beckett Street, Granville	Rosehill and Camellia
	Conjoined residences, 42 Onslow Street, Granville	Rosehill and Camellia
	Conjoined residences, 34, 36 Kemp Street, Granville	Rosehill and Camellia
	Duck Creek Bridge, Great Western Highway, Granville	Rosehill and Camellia
	Granville Boys High School, 10 Mary Street, Granville	Rosehill and Camellia
	Granville Marsh Brothers Tannery Archaeological Site, Junction of main western line and Carlingford branch line, Duck Creek Near Memorial Drive	Rosehill and Camellia
	Granville Railway Station Group, Bridge Street, Granville	Rosehill and Camellia
	Granville RSL Club, 5 Memorial Drive, Granville	Rosehill and Camellia
	Granville Swimming Pool, 1 Memorial Drive, Granville	Rosehill and Camellia
	Granville War Memorial, 1 Memorial Drive, Granville	Rosehill and Camellia
	Monuments, 5 Memorial Drive, Granville	Rosehill and Camellia
	Mount Beulah Hall, 37 Cowper Street, Granville	Rosehill and Camellia
	Parramatta Archaeological Management Unit 3047, Parramatta Road, Granville	Rosehill and Camellia
	Rosehill Hotel, 91 Parramatta Road, Granville	Rosehill and Camellia
	Shop (former), 6-8 Factory Street, Granville	Rosehill and Camellia
	Terrace Housing, 5-23 Arthur Street, Granville	Rosehill and Camellia
NCA14	Wetlands	Carlingford Line
	UWS Parramatta Campus (former Rydalmere Hospital & Female Orphan School)	Carlingford Line
	Clyde Carlingford Rail Bridge abutments	Carlingford Line
NCA15	Dundas Railway Station Group	Carlingford Line
NCA16	Victorian house	Carlingford Line
NCA18	K13 Memorial	Carlingford Line
NCA19	Carlingford Stock Feeds	Carlingford Line

8 Environmental aspects and impacts

8.1 Environmental aspects

Relatively high noise levels are predicted from the construction works in most catchments along the alignment. Noise levels are typically higher for receivers which have a direct line of sight to the works and where construction works are situated near receivers. The highest noise levels and greatest impacts are associated with activities that utilise noise intensive plant.

To assess the level of potential impact on noise and vibration sensitive receivers, the broad categories of construction activity likely to interact with these receivers are:

- Site establishment
- Clearing and grubbing
- Demolition
- Excavation, earthworks (with rock breakers) and drainage
- Bridgeworks (piling)
- Rock breaking
- Paving and concrete saw cutting
- Ballast track works
- Road furnishing.

8.2 Environmental impacts

People are usually more tolerant to noise and vibration impacts during the construction phase of a project than during normal long-term operation, due to the recognition that the construction impacts are of a temporary nature. For this reason, acceptable noise and vibration levels are normally higher during construction than during operations.

Construction often requires the use of heavy machinery which can generate high noise and vibration levels at nearby buildings and receivers. For some equipment, there is limited opportunity to mitigate the noise and vibration levels in a cost-effective manner and hence the potential disturbance impacts are typically minimised as much as practicable through management techniques.

At any location the potential impacts can vary greatly depending on factors such as the relative proximity of sensitive receivers, the overall duration of the construction works, the intensity of the noise and vibration levels, the time at which the construction works are carried out and the character of the noise or vibration emissions.

The potential construction noise impacts at any location would vary greatly depending on factors including the following:

- The type of equipment in use
- The number of equipment simultaneously in use
- Ground conditions
- Topography and other physical barriers
- Proximity to sensitive receivers
- The condition of sensitive receivers

- Hours/duration of construction works
- Intensity/character of noise levels
- Proximity of heavy traffic areas such as the highway.

Noise levels at sensitive receivers may also be significantly lower than the worst-case scenario when the construction works move to a more distant location in a works area.

Relevant aspects and the potential for related impacts have been considered in a risk assessment within Appendix A2 of the CEMP. Section 11 provides a suite of mitigation measures that will be implemented to avoid, minimise and/ or manage impacts of the Infrastructure Works on the receiving community and/or built environment.

8.2.1 Construction noise impacts

Sound power levels for the typical operation of construction equipment applied in the modelling are listed in **Appendix C**. A range of construction scenarios are presented **Appendix C** consisting of likely combinations of plant operating concurrently.

A summary of the predicted noise levels (without additional mitigation) in each of the NCAs for the various construction scenarios, as developed in the EIS, is presented in **Appendix D**. The noise levels are representative of the worst-case impacts, at that particular receiver type, and are intended to give an overview of the likely noise levels from the construction works. The tables colour the predicted noise levels based on the exceedance of the NML during that period and for that receiver type.

A qualitative description of the NML exceedance bands is given below, noting that the impact of these potential exceedances would depend on the period in which they were to occur (i.e. the night-time period is typically more sensitive than the daytime or evening for most people):

- Noise levels 1 to 10 dB above NML – impacts would typically be marginal to minor
- Noise levels 11 dB to 20 dB above NML – impacts would typically be moderate
- Noise levels >20 dB above NML – impacts would typically be high.

For most construction activities, it is expected that the construction noise levels would frequently be lower than predicted at the most-exposed receiver, as the noise levels presented in this Sub-Plan are based on a realistic worst-case assessment.

8.2.2 Construction ground-borne noise

For the purposes of this assessment, potential ground-borne noise impacts have been predicted at the nearest building for each receiver within each precinct because of rock breaking activities along the light rail alignment. While the assessment may predict impacts at certain receivers:

- Not all areas of the various facilities are expected to be sensitive to potential noise impacts
- Rock breakers would only be operated for relatively short durations and the predicted ground-borne noise levels would only be apparent for short periods while the works are conducted outside each building
- Sensitive areas may be located at some distance away from the front facade
- Buildings with higher levels of sound insulation may mitigate airborne construction noise impacts.

Feasible and reasonable measures will be implemented to minimise ground-borne noise where exceedances are predicted and will be informed by further consultation with stakeholders concerning the building design and the use of internal areas.

Respite periods and additional mitigation measures to address exceedances in ground-borne noise will be implemented in accordance with Section 11.2 and 11.3.

Table 8-1: Predicted ground-borne noise impacts from rock-breaking activities

Precinct	NCAs	Description [3]	Type	Indicative Distance to Nearest Works (m)	Predicted Ground-borne Noise $L_{Aeq(15min)}$ (dBA)
Westmead	NCA01	Westmead Public School	Educational	120 to 240	<30
	NCA02	Parramatta Marist High School	Educational	220 to 400	<30
		Western Sydney University (Westmead)	Educational	45 to 120	40 to <30
		Westmead Hospital	Medical	75 to 300	<30
		Westmead Institute for Medical Research	Medical	10 to 100	70 to <30
	NCA04	Wesley Lodge	Hotel	15 to 50	60 to 35
		Westmead Church	Place of Worship	20 to 60	55 to 35
	NCA05	Cumberland Hospital West campus	Medical	10 to 200	70 to <30
			Magistrate Tribunal	90 to 160	<30
		The Children's Hospital of Westmead	Medical	10 to 60	70 to <30
		Children's Medical Research Institute	Medical/Research	10 to 100	70 to <30
		Kids Research Institute	Medical/Research	60 to 100	35 to <30
Parramatta North	NCA06	Cumberland Hospital East campus	Medical	10 to 200	70 to <30

Precinct	NCAs	Description [3]	Type	Indicative Distance to Nearest Works (m)	Predicted Ground-borne Noise $L_{Aeq(15min)}$ (dBA)
	NCA07	Parramatta North Public School	Educational	60 to 160	35 to <30
Parramatta CBD	NCA08	Riverside Theatres	Theatre	30 to 50	45 to 35
	NCA09	Parramatta Local Court	Court	70 to 120	30 to <30
		UNE Future campus	Educational	10 to 20	70 to 55
		Leigh Memorial Church	Place of Worship	10 to 40	70 to 40
		UWS One Parramatta Square	Educational	5 to 50	85 to 35
		Arthur Phillip High School	Educational	10 to 90	70 to <30
		Parramatta Public School	Educational	10 to 90	70 to <30
		Rowland Hassall School	Educational	15 to 70	60 to 30
		Church of St John the Baptist	Place of Worship	60 to 100	35 to <30
Carlingford	NCA14	Western Sydney University Parramatta	Educational	15 to 300	60 to <30
	NCA15	Dundas Public School	Educational	120 to 200	<30

8.2.3 Construction vibration impacts

The level of vibration potentially experienced at a receiver depends on the vibration energy generated by the source, the predominant frequencies of vibration, the localised geotechnical conditions and the interaction of structures and features that can dampen vibration.

For most of the project construction equipment, the separation distance(s) between the construction works and the nearest sensitive receiver(s) would likely be sufficient to comply with the safe working distances required to avoid 'cosmetic damage' and 'human comfort (response) impacts' from construction vibration (as identified in British Standard BS 7385 Part 2 – 1993 – Evaluation and measurement for vibration in buildings. For most sources of intermittent vibration during construction, such as rock breakers, the predominant vibration energy occurs at frequencies usually in the 10 Hz to 100 Hz range. On this basis, and with reference to BS7385:2, a vibration damage screening level of 7.5 millimetres per second was adopted for assessing potential impacts from continuous vibration for the project.

However, some items of construction equipment would be required to operate within close proximity of residential receivers and may occur within recommended safe working distances.

In relation to human comfort (response) to vibration, several receivers adjacent to the construction areas have been identified as likely to perceive vibration impacts at times during construction works. This is expected to be primarily due to works associated with rock breakers, vibratory rollers and other high vibration plant items. In practice, vibration impacts from most construction activities would be intermittent within the duration of the project. For this reason, higher vibration levels that occur over shorter periods are typically permitted under BS 6472-1.

With respect to heritage listed items identified within the precinct, the potential impacts on these items would be considered on a case by case basis, and detailed inspections and ongoing monitoring of heritage listed structures would be carried out for all potentially affected heritage structures prior to and during works. Heritage listed items identified within the cosmetic damage screening criteria minimum working distances are shown in Section 7.4.

The assessment identifies the number of buildings that could potentially occur within the cosmetic damage and human response safe working distances during the use of a large rock breaker. In practice, it is unlikely that a rock breaker would be required in all areas and therefore, the vibration impacts presented for each precinct in this Section should be considered a worst-case scenario. **Table 8-2** provides a summary of the number of these receivers within each noise catchment areas.

Mitigation and management measures to address potential construction vibration impacts are discussed in Section 11.

Table 8-2: Construction vibration assessment summary (assuming use of a large rock breaker)

Precinct	NCA	Number of buildings within working distance	
		Cosmetic damage (7.5mm/s screening)	Human response
Westmead	NCA01	0	0
	NCA02	1	4
	NCA03	11	20
	NCA04	22	43
	NCA05	16	30

Precinct	NCA	Number of buildings within working distance	
		Cosmetic damage (7.5mm/s screening)	Human response
Parramatta North	NCA06	18	38
	NCA07	46	96
Parramatta CBD	NCA08	20	36
	NCA09	52	93
	NCA10	0	0
Rosehill and Camellia	NCA11	26	67
	NCA12	14	24
	NCA12A	0	0
	NCA13	0	0
Carlingford	NCA14	2	22
	NCA15	23	152
	NCA16	29	111
	NCA17	8	85
	NCA18	27	115
	NCA19	5	13

9 Construction noise and vibration assessment

9.1 Construction Noise and Vibration Impact Statements

Construction Noise and Vibration Impact Statements (CNVIS) will be prepared and implemented for each construction site (based on the five precincts in the Infrastructure Works in the Staging Report) before construction noise and vibration impacts commence and include specific mitigation measures identified through consultation with affected sensitive receivers. Each CNVIS will be provided to the ER and AA for review and endorsement in accordance with Condition A23(d) and Condition A29(e), respectively. CNVIS will supplement this Sub-plan and address each of the major construction sites and must include but not be limited to:

- A description of the proposed activities (construction scenarios), duration and associated plant proposed to be used
- Predicted noise and vibration levels based on background noise levels
- Examination of alternative methods of construction or innovative technologies that would potentially reduce noise and vibration if the potential noise and vibration exceeds the relevant criteria
- Description and commitment to work practices which limit noise and vibration
- Description of site specific noise and vibration mitigation treatments and time restrictions, including respite periods, duration, and frequency
- Justification for any activities to be undertaken outside the specified construction hours defined in Conditions E21 and E22
- Internal noise audit systems including recording of daily hours of construction, progressive impact assessments as work proceeds, conducting informal checks by the AA, providing active and communication links to Council and surrounding residents and sensitive receivers
- Assessment of potential noise from the proposed construction methods including noise from construction vehicles and noise impacts from required traffic diversions
- Measures to coordinate the JV works with other PLR contract works, or other construction and infrastructure projects
- Community consultation and notification
- Examination of all reasonable and feasible measures including any suggested by the AA, ER or TfNSW
- Additional noise and vibration mitigation measures as negotiated with affected residents and other sensitive receivers.

Existing noise levels, pre-construction noise levels, or the like for the purposes of identifying rating background noise levels, noise management levels and construction noise impacts are noise levels that do not include any other construction related noise.

The potential impacts arising from minor construction activities or ancillary facilities may be assessed in CNVIS or using the TfNSW noise calculator where impacts are likely to be short term or low impact. These assessments will be provided to the AA for review and endorsement.

10 Operational noise and vibration

10.1 Operational Noise and Vibration Assessment

The PLR Stage 1 must be designed and operated with the objective of not exceeding the air-borne and ground-borne noise trigger levels as defined in the Rail Infrastructure Noise Guideline (EPA, 2012) and the vibration levels defined in the Assessing Vibration: A Technical Guideline (DEC, 2006).

Relevant to the Infrastructure Works, the JV will design and install embedded trackforms with "normal", "high-attenuation" and "very high attenuation", a grass trackform and ballasted track with ballast mats or sleeper pads. The location of each trackform type is specified in the Scope and Performance Requirements (SPR).

TfNSW (through the SOM Works contractor) will prepare an Operational Noise and Vibration Review (ONVR) to confirm noise and vibration mitigation measures that would be implemented for the operation of the PLR Stage 1. The JV will provide relevant documents and information to support the preparation of the ONVR.

11 Environmental control measures

11.1 Cumulative Impacts

Delivery of PLR Stage 1 will be through five key packages (refer to Section 1.2.3 for more detail). This will be in addition to other construction and infrastructure projects that will be active along the Project alignment concurrently with the PLR Infrastructure Works.

The JV will take reasonable steps to coordinate with other PLR contract works, or other construction and infrastructure projects, to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers. The level of coordination required to manage cumulative impacts will be dependent on the level of concurrent works within each precinct. When concurrent works are occurring within a precinct, the JV will coordinate information sharing through regular meetings, sharing of OOHW schedules, sharing stakeholder information (sensitivity awareness) and combining community notifications. The AA will provide oversight over all packages and will assist in identifying periods of concurrent works.

Measures to coordinate the JV works with other PLR contract works, or other construction and infrastructure projects, will be included in the CNVIS that are provided to the AA. Where relevant, the activities of other contractors that will be known to be working concurrently with in the same precinct will be addressed in CNVISs and or the programming of works.

11.2 Respite periods

Where works are undertaken outside hours specific in Condition E21 and E22 and construction noise levels result in sleep disturbance (i.e. exceed 65 dB(A) LAeq (15 mins) at the façade of the building of a residential receiver), works will only be scheduled for a maximum of 4 nights in any 7-day period. The preferred 4 nights working block will be informed by community consultation referenced in Condition E39.

In accordance with Condition E39, in order to undertake work under an EPL, appropriate work and respite periods for the works will be developed in consultation with the community at each affected precinct at three monthly intervals. This consultation will be ongoing and include (but not be limited to) providing the community with:

- A schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work (as defined in the Out of Hours Works Protocol)
- A schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work (as defined in the Out-of-Hours Works Protocol)
- The potential works, location and duration
- The noise characteristics and likely noise levels of the works
- Likely mitigation and management measures.

Consultation will be undertaken using a range of consultation methods to optimise community engagement across different land use types identified in the land use survey. This will include phone calls, door knocks, calling cards, emails or community information sessions. Questions to assess the criteria in E39 will also be asked in response to all community complaints to encourage engagement from adversely affected receivers.

The affected community's preference for alternative hours and/or durations will be considered when confirming the schedule. The outcomes of the community consultation, the identified respite periods and the scheduling of the likely out-of-hour works will be provided to the AA, ER and the Secretary in E39 Consultation reports that will be prepared for each precinct on a quarterly basis (or more frequently if required).

The JV will ensure respite is coordinated with other contractors, including those undertaken by utility contractors, for the delivery of the CSSI and the JV will participate in TfNSW Out of Hours Working Group(s) to coordinate with other PLR Package Works.

The provision of respite periods should not preclude the application of other construction noise management measures, including the provision of at receiver treatments and or alternate accommodation.

11.3 Additional Noise and Vibration Mitigation Measures

In circumstances where following the application of standard mitigation measures, the construction noise and vibration objectives (refer to Section 6) are exceeded, additional noise and vibration mitigation will be required. Additional mitigation and management measures generally refer to community notifications and/or alternate accommodation and will include one or more of the following:

- **Periodic notifications** – These include regular newsletters, letterbox drops or advertisements in local papers to provide an overview of current and upcoming works and other topics of interest.
- **Website updates** – The project website will form a resource for members of the community to seek further information, including CNVPs and current and upcoming construction activities.
- **Project info-line and construction response line** – Transport for NSW will operate a construction response line and a project info-line (1800 775 465). These numbers will provide a dedicated 24-hour contact point for any complaints regarding construction works and for any project enquiries. All complaints require a verbal response within two hours. All enquiries require a verbal response within 24 hours during standard construction hours, or on the next working day during out-of-hours work (unless the enquirer agrees otherwise).
- **Email distribution list** – An email distribution list will be used to disseminate project information to interested stakeholders.
- **Signage** – Signage on construction sites will be provided to notify stakeholders of project details and project emergency or enquiry information.
- **Specific notifications** – Specific notifications will be letterbox dropped or hand distributed to the nearby residences and other sensitive receptors no later than seven days ahead of construction activities that are likely to exceed the noise objectives. This form of communication is used to support periodic notifications, or to advertise unscheduled works. Specific notification would include details of the location, scope, dates and times of work.
- **Phone calls** – Phone calls may be made to identified/affected stakeholders within seven days of proposed work. Considering the large numbers of receptors, phone calls are not likely to be considered a reasonable mitigation and management measure in all cases, but could be used to inform specific receptors if requested (after notification of the works as above).
- **Individual briefings** – Individual briefings may be used to inform stakeholders about the impacts of high noise activities and mitigation and management measures that would be implemented. Communications representatives from the JV would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities. Considering the large numbers of potentially affected receptors, individual briefings may not be considered a reasonable mitigation and management measure in all cases, but could be used for specific receptors if requested (after notification of the works as above).
- **Monitoring** – Ongoing noise monitoring during construction at sensitive receptors during critical periods would be used to identify and assist in managing high risk noise events. Monitoring of noise would also be carried out in response to complaints. All noise

monitoring would be carried out by an appropriately trained person in the measurement and assessment of construction noise and vibration, who is familiar with the requirements of the relevant standards and procedures.

- **Project specific respite offer** – Residents subjected to lengthy periods (such as specific phase of the construction work extended for more than 24hr of continuous works) of noise or vibration may be eligible for a project specific respite offer. The purpose of such an offer is to provide residents with respite from an ongoing impact. An example of a respite offer might be pre-purchased movie tickets. The provision of this measure would be determined on a case-by-case basis. Project specific respite offers are unlikely to be reasonable and feasible in the CBD precinct. This is partly due to the impracticability of providing respite offers to large numbers of people during the proposed 24-hour works, but also reflects the existing evening and weekend noise environment in the Parramatta CBD precinct.
- **Alternative accommodation** – As described in the CNVS, provision of alternative accommodation for residents will be offered where noise and vibration impacts are predicted during the night-time period (between 10 pm and 7 am) that exceed the sleep disturbance criteria for more than two consecutive nights. As the project is likely to require night-time works at many locations including the Parramatta CBD precinct, provision of alternative accommodation in all cases may not always be feasible or reasonable. During the preparation of CNVIS, an assessment will be undertaken to determine whether alternative accommodation is reasonable and feasible.
- Each CNVIS will be provided to the AA for review and endorsement in accordance with Condition A29(e). Where alternate accommodation is not accepted by the receiver, other Additional Noise and Vibration Mitigation Measures should be explored in consultation with the receiver.
- **Notification Emergency Works** - On becoming aware of the need for emergency out-of-hour works, the JV will notify the ER of the need for those activities or works as soon as becoming aware of the works. The JV will also make best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works.

The additional mitigation measures required will be determined based on the time period works are being undertaken and the level of exceedance. **Table 11-1,** as derived from the TfNSW Construction Noise and Vibration Strategy, provides a guide to the application of additional measures based on the construction hours and level of exceedance of the NML.

Table 11-1: Noise and vibration management and mitigation measures

Construction Hours	Receiver Perception	db(A) above RBL	db(A) above NML	Additional mitigation measures
Standard Construction Hours Monday to Friday (7am – 7pm) Saturday (8am – 6pm)	Noticeable	5 to 10	0	-
	Clearly Audible	>10 to 20	>10	-
	Moderately Intrusive	>20 to 30	>20	PN, V
	Highly Intrusive	>30	>20	PN, V

Construction Hours	Receiver Perception	db(A) above RBL	db(A) above NML	Additional mitigation measures
Standard Highly Noise Affected hours1 Monday to Friday (7am – 6pm) Saturday (8am – 1pm)	75 dBA or greater	n/a	n/a	PN, V, SN
OOHW Period 1 Monday to Friday (6pm – 10pm) Saturday (7am – 8am, 1pm – 10pm) Sunday / PH (8am – 6pm)	Noticeable	5 to 10	>5	-
	Clearly Audible	>10 to 20	5 - 15	PN
	Moderately Intrusive	>20 to 30	15 to 25	PN, V, SN, RO
	Highly Intrusive	>30	>25	PN, V, SN, RO, RP, DR
OOHW Period 2 Monday to Saturday (12am – 7am 10pm – 12am) Sunday / PH (12am – 8am 6pm-12am)	Noticeable	5 to 10	>5	PN
	Clearly Audible	>10 to 20	5 - 15	PN, V
	Moderately Intrusive	>20 to 30	15 to 25	PN, V, NS, RP, DR
	Highly Intrusive	>30	>25	PN, V, SN, AltA, RP, DR

Notes:
1. In continuous blocks not exceeding three (3) hours each with a minimum respite from those activities and works of not less than one (1) hour between each block.

Additional Mitigation Measures
PN = Project Notification
V = Verification Monitoring
RR = Respite Period
AltA = Alternate Accommodation
SN = Specific Notification / individual briefing or phone call
DR = Duration Reduction
RO = Project Specific Respite Offer

11.4 Other Noise and Vibration Consultation Requirements

Communication Action Plans (CAPs) will be developed for all stakeholder consultation in accordance with the JV's Communication and Engagement Management Plan. The outcomes of consultation will be incorporated into the requirements of the noise and vibration mitigation measures in the CNVIS.

Consultation requirements for noise and vibration include the following:

- Property owners during the preparation of the Land Use Survey where land use cannot be assessed from public space or access to the property is required
- Property owners and facility managers identified from the Land Use Survey to require Building Condition Survey Reports
- Local schools and other educational facilities prior to noise intensive works to ensure impacts are minimised during examination periods and/or other critical periods in the school calendar (where works are predicted to exceed the relevant construction noise management level for this receiver)

- Nearby childcare centres to potentially avoid noisy works during rest periods at the centres (where possible)
- Within the Westmead Research Zone with the affected facilities to determine periods when noise and/or vibration intensive works can occur with least impact
- Affected businesses along Eat Street to establish construction outside the hours identified in Condition E21 along 'Eat Street' as outlined in the Business Activation Plan required by Condition E110
- The community when planning to undertake out-of-hours work described in Condition E25 (c) and (d) to identify appropriate work and respite periods at each affected precinct at three monthly intervals. The following information will be provided which undertaking this consultation:
    - A schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work
    - A schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work
    - The potential works, location and duration
    - The noise characteristics and likely noise levels of the works
    - Likely mitigation and management measures
    - Responses will be provided to community members of the outcomes of the consultation.
- With affected receivers when seeking community agreement for works outside of standard construction hours in accordance with an EPL
- With affected receivers in accordance with the Additional Noise and Vibration Mitigation Measures in Section 11.3
- With places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories, operating theatres, and mental health services and accommodation) to determine sensitive periods when noise generating activities cannot be undertaken
- With proponents or applicants of other State Significant development and infrastructure works near the CSSI and take reasonable steps to coordinate works to minimise cumulative impacts of noise and vibration and maximise respite for affected sensitive receivers
- With Sydney Coordination Office and Roads and Maritime Services for hours of when construction deliveries and spoil removal would be undertaken within the Parramatta CBD and Rosehill and Camellia precincts.

11.5 Hierarchy of Preferred Working Hours

Where OOHW is planned to take place, the following hierarchy of preferred working hours must be considered unless otherwise agreed with the affected community through consultation (Condition E39).

1. Saturday afternoon periods between 1pm and 6pm (Standard hours, applicable to HNIW)
2. Sunday and public holiday day periods between 8am and 6pm (Period 1 Day)
3. Weekday evening periods between 7pm and 10pm (Period 1 Evening)
4. Weekend evening periods between 6pm and 10pm (Saturdays Period 1 Evening/Sundays Period 2)
5. Weekend night periods between 10pm and 8am (Period 2)

6. Work during the weekday evening and night and scheduling the noisiest or vibration intensive work first (between 6pm and 10pm) to minimise sleep disturbance impacts in the night period between 10pm and 7am) – read in conjunction with E27 (Period 1 Evening & Period 2)
7. All other times outside recommended standard hours.

For Eat Street, the listed OOHW hierarchy of working hours include:

1. Weekday night periods (Monday-Thursday) between 10pm and 7am (Period 2)
2. Sunday and public holiday day periods between 7am and 11am (Period 1 Day)
3. Weekend night periods (Friday, Saturday and Sunday) between 10pm and 7am (Period 2)
4. Sunday and public holiday day periods between 11am and 6pm (Period 1 Day)
5. All other times outside recommended standard hours as advised by consultation.

This Hierarchy does not apply to emergency work. This should be undertaken in accordance with CoA E26; on becoming aware of emergency works the ER and TfNSW must be notified. It is the responsibility of the JV to use best endeavours to contact affected sensitive receivers and advise of the likely impact and duration of such works. See Section 11.3 for more details.

Road Traffic Noise

When planning OOHW, consideration must be given to minimising road traffic noise caused by construction of PLR, including but not limited to:

- Restricting heavy vehicle movements to standard hours (Section **Error! Reference source not found.**); and/or
- Planning heavy vehicle haulage routes that have fewer sensitive receivers.

11.6 Management and Mitigation Measures

Specific and standard measures and requirements to address contract specifications, CoA and REMMMs in relation to impacts from noise and vibration are outlined in **Table 11-2**.

Table 11-2: Noise and vibration management and mitigation measures

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV01	All employees, contractors and subcontractors will receive an induction, including: • All relevant 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	Project training program (induction, toolbox or specific training)	Construction	Environmental Coordinator	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV02	A register of most affected noise and vibration sensitive receivers will be kept on site. The register will include the following details for each sensitive receiver: • Address of receiver • Category of receiver (e.g. residential or commercial etc.) • Contact name and phone number	Sensitive receiver register derived from the Land Use Survey	Construction	Environment and Sustainability Manager Environmental Coordinator to maintain register	CoA E33 EPO-NV-2
NV03	Where feasible and reasonable, construction will be carried out during the standard daytime working hours.	CNVIS	Construction	Environmental Advisor	CoA E33
NV04	For construction concentrated in a single area, such as at the stops, worksites, substation construction sites, bridge sites and the stabling and maintenance facility location, temporary acoustic fencing/barriers around the site perimeter will be considered where feasible and reasonable to mitigate off-site noise levels.	Acoustic fencing / barriers to be identified in the specific mitigation measures of the CNVIS. To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor Foreman	REMMM NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV05	Given the potentially high noise levels at residential receivers, adherence to daytime construction hours will be observed where possible for excavation, demolition or rock breaking activities, and for activities concentrated in a single area (i.e. activities that do not move along the alignment, and do not require out-of-hours activities for safety reasons or to minimise disruption to road networks).	CNVIS OOHW to be limited through the application of the EPL and OOHW Permits	Construction	Environmental Advisor	REMMM NV-2
NV06	Where possible, noisy works will be scheduled to minimise impacts to adjacent businesses and commercial properties, such as avoiding undertaking noisy activities on Eat Street during lunch and dinner periods. Construction hours along 'Eat Street' must be established through consultation with affected businesses as outlined in the Business Activation Plan required by Condition E110 (refer to Section 5.2).	CNVIS Business Activation Plan Consultation reports OOHW to be limited through the application of the EPL and OOHW Permits	Construction	Environmental Advisor Community Place Coordinator	REMMM NV-2 CoA E24

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV07	For any work that will take place outside the approved construction hours (refer to Section 5.1) until an EPL is issued, the Out of Hours Works Protocol outlined developed in accordance with CoA E28 will be implemented. The JV was issued EPL Number 21347 on the 3 January 2020. The Out of Hours Works Protocol does not apply to works subject to EPL.	Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Advisor Foreman	CoA E28
NV08	Out of hours works will be programmed to minimise the number of consecutive out of hour work periods impacting the same receptors.	Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Advisor	REMMM NV-2
NV09	Consultation will be carried out with local schools and other educational facilities prior to noise intensive works to ensure impacts are minimised during examination periods and/or other critical periods in the school calendar (where works are predicted to exceed the relevant construction noise management level for this receiver).	Land Use Survey to identify schools and other educational facilities CNVIS CAPs to guide consultation with local schools	Construction	Environment and Sustainability Manager Place Manager	REMMM NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV10	Consultation with nearby childcare centres will be carried out to discuss avoidance of noisy works during rest periods at the centre.	Land Use Survey to identify nearby childcare centres CNVIS CAPs to guide consultation with childcare centres	Construction	Environmental Advisor Place Manager	REMMM NV-2
NV11	Simultaneous operation of noisy plant near sensitive receptors will be avoided (where possible).	Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2 EPO-NV-1
NV12	Equipment which is used intermittently will be shut down when not in use.	Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2
NV13	Where possible, the offset distance between noisy plant items and nearby noise sensitive receptors will be as great as possible.	To be addressed in CNVIS. Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV14	Where possible, equipment with directional noise emissions will be oriented away from sensitive receptors.	Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2
NV15	Construction compounds will use 2.4-metre-high hoarding of solid construction where required to minimise noise on sensitive receivers, where safe to do so. Construction hoardings in the Cumberland Precinct to be determined in consultation with HAC to maintain consumer safety and manage clinical risks.	CNVIS to model predicted impacts of each main construction compound. 2.4-metre-high hoarding around construction compounds where required. To be verified during site inspections and noise verification monitoring	Pre-construction Construction	Environmental Advisor Foreman	REMMM NV-2 EPO-NV-1
NV16	Structures will be used to shield residential receivers from noise such as site shed placement, earth bunds, fencing and erection of operational stage noise barriers (where practicable).	Shielding structures To be verified during site inspections and noise verification monitoring	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2 EPO-NV-1
NV17	Site topography will be considered when situating plant to reduce noise and vibration impact.	Opportunities will be assessed in CNVIS Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring	Construction	Environmental Advisor Foreman	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV18	Stationary noise sources (such as pumps, compressors, fans etc) should be enclosed or shielded whilst ensuring that the occupational health and safety of workers is maintained. (Note: Appendix F of AS 2436: 1981 lists materials suitable for shielding).	Acoustic fencing / barriers to be identified in the specific mitigation measures of the CNVIS. To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor Foreman	CoA E33 REMM NV-2
NV19	Regular compliance checks for noise emissions from all plant and machinery used for the project will be carried out to indicate whether noise emissions from plant items are higher than predicted. This will also identify defective silencing equipment on the items of plant.	Noise and Vibration Monitoring Program to include regular spot checks of plant and machinery.	Construction	Environmental Advisor	REMMM NV-2
NV20	Ongoing noise monitoring will be carried out during construction at sensitive receptors during critical periods to identify and assist in managing high risk noise events.	Noise and Vibration Monitoring Program	Construction	Environmental Advisor	REMMM NV-2
NV21	Where possible heavy vehicle movements will be limited to daytime hours.	CNVIS Project training (induction, toolbox or specific training)	Construction	Environmental Advisor	REMMM NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV22	Reversing of equipment will be minimised to prevent nuisance caused by reversing alarms, which will be limited to the use of non-tonal reversing alarms.	Non-tonal reversing alarms Compound layout and TCP To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor	REMMM NV-2
NV23	Loading and unloading will be carried out away from sensitive receptors, where practicable.	Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor Foreman	CoA E33 REMMM NV-2
NV24	Dedicated loading/unloading areas will be shielded if close to sensitive receivers.	CNVIS To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor	CoA E33
NV25	Delivery vehicles will be fitted with straps rather than chains for unloading, wherever possible.	Straps fitting Supplier awareness training Subcontractor contracts	Construction	Environmental Advisor	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV26	Work will be scheduled to provide respite periods from the Highly Noise Intensive Works, and residents will be communicated with to clearly explain the dates and duration of noise levels for the work. Refer to Section 11.2 for process to determine suitable respite periods through ongoing community consultation.	CNVIS to identify activities and locations where respite periods are required. Project training (induction, toolbox or specific training) To be verified during site inspections and noise verification monitoring.	Construction	Environmental Advisor	CoA E27 REMMM NV-2
NV27	In the event of predicted exceedances of the noise goals, particularly during out-of-hours works, community notifications outlined in Section 11.3 will be implemented. Complaints will be managed in accordance with Section 3.6.5 of the CEMP.	CNVIS will identify predicted exceedance TfNSW Community Communication Strategy approved under Condition B3 Place Managers to record consultation in Consultation Manager	Construction	Environmental Advisor	REMMM NV-3
NV28	For sensitive receivers that operate outside standard construction hours, for example hospitals which operate on a 24-hour basis, feasible and reasonable noise mitigation options and measures will be developed in consultation with the sensitive receiver.	CAPs to guide consultation with sensitive receivers Outcomes of consultation to be included in CNVIS OOHW Permit to be issued in accordance with the CNVIS	Construction	Place Manager Environmental Advisor	REMMM NV-4

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV29	The use of noise intensive plant items will be scheduled for normal working hours where possible. If the works cannot be carried out during the daytime, it has been recommended to complete them before 11 pm, where practicable. This will be particularly relevant for works impacting the following noise catchment areas (NCAs) where several activities have been predicted to result in high impacts on many residential receivers during the night-time: • NCA04 in the Westmead precinct • NCA06 and NCA07 in the Parramatta North precinct • NCA11 in the Rosehill and Camellia precinct. If works are required outside normal working hours, the affected receivers are to be determined through noise modelling and community consultation in accordance with Condition E39 must be considered in scheduling of the works and respite periods. The predicted impacts and proposed scheduling of the works and respite periods are to be reported in CNVIS to determine additional mitigation measures.	CNVIS to identify activities and locations where noise intensive plant items will be restricted to normal working hours E39 Consultation reports Locations to be included on ECMs OOHW Permit to be issued in accordance with the CNVIS Project training (induction, toolbox or specific training)	Construction	Environmental Advisor	REMMM NV-5 CoA E39

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV30	Opportunities to reduce road traffic noise during construction will be investigated, including restricting heavy vehicle movements to standard construction hours and/or to routes with fewer sensitive receivers.	Traffic, Transport and Access Management Sub-plan	Construction	Environmental Advisor	CoA E33 REMMM NV-6
NV31	Traffic controllers will be used to minimise occurrences of vehicles queuing, idling or reversing near noise sensitive receivers as much as practical.	Land Use Survey to identify areas with noise sensitive receivers Traffic Control Plans (TCP) to identify suitable queuing locations Traffic controllers	Construction	Traffic Manager	Best practice
NV32	Traffic flow, parking and loading/unloading areas will be planned to minimise reversing movements within the site.	Traffic, Transport and Access Management Sub-plan	Construction	Traffic Manager	CoA E33
NV33	The speed of vehicles will be limited and the use of engine compression brakes will be avoided.	Site Vehicle Movement Plans (VMP)	Construction	Traffic Manager	CoA E33
NV34	Vehicles will be fitted with a maintained original equipment manufacturer exhaust silencer or a silencer that compiles with the National Transport Commission's 'In-service test procedure' and standard.	Plant inspection and plant register National Transport Commission's 'In-service test procedure' and standard	Construction	Plant Manager	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV35	The on-site storage capacity will be maximised to reduce the need for truck movements during sensitive times.	On-site storage areas to be identified on ECMs To be verified during site inspections	Construction	Environmental Advisor Foreman	CoA E33
NV36	Where possible, noise from mobile plant will be reduced through additional fittings including: • Residential grade mufflers • Air Parking brake engagement is silenced. This will be mandatory where the relevant NML is exceeded.	Supplier / subcontractor awareness training or contracts Plant inspection and plant register	Construction	Environmental Advisor Plant Manager	CoA E33 EPO-NV-1
NV37	Where practicable, materials will be pre-fabricated/prepared off-site to reduce noise with special audible characteristics occurring on site. Materials will then be delivered to site for installation.	Environmental Design Review Reports	Design	Design Manager	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV38	Where vibration intensive construction activities are proposed within 100 metres of sensitive receivers, these works will be confined to the less sensitive daytime period where possible. If vibration intensive construction are required outside normal working hours, the affected receivers are to be determined through noise modelling and community consultation in accordance with Condition E39 must be considered in scheduling of the works and respite periods. The predicted impacts and proposed scheduling of the works and respite periods are to be reported in CNVIS to determine additional mitigation measures.	Land Use Survey to identify sensitive receivers CNVIS to identify locations where vibration intensive construction activities are proposed within 100 metres of sensitive receivers Locations to be included on ECMs Verification through construction vibration monitoring	Construction	Environmental Advisor	REMMM NV-7
NV39	Vibration generating plant and equipment will be relocated to areas within the site to lower the vibration impacts.	CNVIS to identify locations where vibration intensive construction activities are proposed within 100 metres of sensitive receivers Locations to be included on ECMs	Construction	Environmental Advisor	REMMM NV-7 REMMM NV-8

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV40	The feasibility of rescheduling the hours of operation of major vibration generating plant and equipment will be investigated. The scheduling must be completed with reference to the outcomes of the E39 Consultation.	CNVIS to identify activities and locations where rescheduling the hours of operation of major vibration generating plant and equipment should be considered Locations to be included on ECMs	Construction	Environmental Advisor	REMMM NV-7 CoA E39
NV41	Lower vibration generating items of excavation plant and equipment (e.g. smaller capacity rock breaker hammers) will be used.	CNVIS to identify activities and locations where lower vibration generating items are to be used	Construction	Environmental Advisor Foreman	REMMM NV-7 EPO-NV-2
NV42	Consecutive works in the same locality will be minimised (if applicable).	Noise modelling of predicted impacts in CNVIS Out of Hours Works permits to ensure EPL compliance To be verified during noise monitoring	Construction	Environmental Advisor Foreman	REMMM NV-7
NV43	Dampened rock breakers such as “City” Model Rammer Hammers will be used to minimise the impacts associated with rock breaking works where ground borne noise or vibration is predicted to exceed the relevant vibration criteria	Supplier / subcontractor awareness training or contracts Dampened rock breakers	Construction	Environmental Advisor Foreman	REMMM NV-7

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV44	If vibration intensive works are required within the safe working distances, vibration monitoring or attended vibration trials will be carried out to ensure that levels remain below the cosmetic damage criterion.	The location and type of sensitive receivers will be identified through the Land Use Survey. Works within the safe working distances will be identified in the CNVISs. Applicable areas will be illustrated on ECMs Noise and Vibration Monitoring Program	Construction	Environmental Advisor	CoA E33 REMMM NV-7 EPO-NV-2
NV45	Building condition surveys will be completed both prior to the commencement of construction works and following the completion of construction works to identify existing damage and any damage due to the works. Building condition reports will identify buildings at risk of vibration damage (refer to Section 12.3.2).	Land Use Survey to identify buildings requiring building condition surveys Building Condition Survey Reports (dilapidation reports)	Pre-construction Post-construction	Environmental Coordinator	CoA E33 CoA E45 REMMM NV-7 EPO-NV-2
NV46	Consultation with the affected facilities within the Westmead Research Zone will be carried out to determine periods when noise and/or vibration intensive works can occur with least impact.	CAPs to guide consultation with sensitive receivers Outcomes of consultation to be included in CNVIS OOHW Permit to be issued in accordance with the CNVIS	Construction	Environmental Coordinator	REMMM NV-8

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV47	Consultation will be completed with facilities with vibration sensitive equipment to inform them of the predicted vibration impacts associated with each stage of works to determine suitable mitigation measures which may include relocation or vibration isolation of sensitive equipment by the facility owners prior to the commencement of vibratory works. This would include: (a) a schedule of likely out-of-hours work for a period of no less than two (2) months for medium to high risk work (as defined in the Out of Hours Works Protocol (Condition E28)); (b) a schedule of likely out-of-hours work for a period of no less than seven (7) days for low risk work (as defined in the Out-of-Hours Works Protocol (Condition E28)).	CAPs to guide consultation with sensitive receivers Outcomes of consultation to be included in CNVIS	Construction	Environmental Coordinator Community Place Managers	REMMM NV-8
NV48	Unattended noise and vibration monitoring will be carried out within the facilities to ensure noise and/or vibration levels are within acceptable levels.	Noise and Vibration Monitoring Program	Construction	Environmental Coordinator	REMMM NV-8 EPO-NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV49	Noise generating works near places of worship, educational institutions and noise and vibration-sensitive businesses and critical working areas (such as theatres, laboratories, operating theatres and mental health services and accommodation) will not be timetabled within sensitive periods, unless otherwise agreed with the affected institutions, and at no cost to the affected institution. This will be determined through ongoing consultation with the community during construction. Works within the proximity of mental health services and accommodation in Cumberland Hospital will be managed in consultation HAC with a focus on the specific clinical risks associated with functioning mental health facility. Risks identified in through joint risk assessments with HAC will be included in the Environmental Risk Assessments (CEMP Appendix A2) and used to inform the recommendation of scheduling and respite in the CNVIS.	Land Use Survey to inform CNVIS CAPs to guide consultation with sensitive receivers Outcomes of consultation to inform recommendations to CNVIS	Construction	Environmental Coordinator Place Manager	CoA E31

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV50	Noise with special audible characteristics and vibration generating activities (including jack and rock hammering, sheet and pile driving, rock breaking and vibratory rolling) will only be carried out in continuous blocks, not exceeding 3 hours each, with a minimum respite period of one hour between each block. 'Continuous' includes any period during which there is less than a 1-hour respite between ceasing and recommencing any of the work.	Land Use Survey to inform CNVIS CNVIS to identify areas where noise with special audible characteristics and vibration generating activities will impact sensitive receivers Respite period to be communicated in E39 Reports To be verified through noise monitoring or inspections	Construction	Environmental Coordinator Foreman	CoA E27 CoA E33
NV51	No dropping of materials from height and throwing of metal items will be allowed.	Project training (induction, toolbox or specific training) To be verified through noise monitoring or inspections	Construction	Environmental Coordinator Foreman	CoA E33
NV52	No excessive revving of plant and vehicle engines will be allowed.	Project training (induction, toolbox or specific training) To be verified through noise monitoring or inspections	Construction	Environmental Coordinator Foreman	CoA E33

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV53	Piling activities that affect sensitive receivers will be undertaken using quieter alternative methods than impact or percussion piling, such as bored piles or vibrated piles, where practicable.	Requirements Verification Traceability Matrix to allocation requirement to relevant design packages for permanent works (refer to CEMP Section 1.5.3 for further details of this process). CNVIS to identify locations where quitter piling activities area required for temporary works	Design Manager Construction	Design Manager Environmental Coordinator Foreman	CoA E33 CoA E34
NV54	Blasting will not be undertaken at any time.	No blasting is proposed.	Construction	Environmental Coordinator	CoA E35
NV55	Respite periods will be provided for sensitive receivers where any construction activity during the approved construction hours (refer to Section 5.1) results in noise levels that exceed the Highly Noise Affected Level of 75 dB (LA_{eq}, 15 minute).	CNVIS to identify activities and locations where construction noise impacts are predicted to exceed 75dB Respite periods to be included in the E39 Reports	Construction	Environmental Coordinator	CoA E36 CoA

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV56	Where works are undertaken outside approved construction working hours and construction noise levels exceed 65 dB(A) LA_{eq} (15 minutes) at the façade of the building of a residential receiver, or ground borne noise exceeding 35 dBA LAeq(15minute), works will only be carried out for 4 nights in any 7-day period.	CNVIS to predict construction noise impacts Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Coordinator	CoA E37
NV57	Relocation of work following 4 nights of works in any 7-day period will be sufficiently removed to provide clear respite of 3 days.	CNVIS to predict construction noise impacts Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Coordinator	CoA E37
NV58	No more than two consecutive nights of noise with special audible characteristics and/or vibration generating work may be undertaken in the same NCA over any 7-day period, unless otherwise approved by the relevant authority.	CNVIS to predict construction noise impacts Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Coordinator	CNVS Table 5
NV59	Works in areas of respite will be subject to noise levels of no more than 5 dB(A) above the rating background level at any residence in accordance with the Interim Construction Noise Guideline (DECC, 2009).	CNVIS to predict construction noise impacts Out of Hours Works permits to ensure EPL compliance	Construction	Environmental Coordinator	CoA E37

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV60	Noise generated by construction will not exceed the National Standard for exposure to noise in the occupational environment of an eight-hour equivalent continuous A-weighted sound pressure level of $L_{Aeq,8h}$ of 85 dB(A) for any employee working at a location near the CSSI.	CNVIS to predict construction noise impacts and inform programming of works	Construction	Environmental Coordinator	CoA E41
NV61	Vibration testing will be conducted before and during vibration generating activities that have the potential to impact on heritage items to identify minimum working distances to prevent cosmetic damage.	Baseline vibration monitoring of vibration generating activities in non-sensitive areas	Construction	Environmental Coordinator	CoA E43
NV62	If the vibration testing and monitoring shows that the preferred dose values for vibration are likely to be exceeded, the construction methodology will be reviewed, and if necessary, additional mitigation measures will be implemented.	Results of baseline vibration monitoring of vibration generating activities in non-sensitive areas to inform CNVIS CNVIS to inform construction planning and methodology	Construction	Environmental Coordinator	CoA E43
NV63	The advice of a heritage specialist will be used on methods and locations for installing equipment used for vibration, movement and noise monitoring of heritage-listed structures.	Heritage specialist report for each instance where vibration, movement and noise monitoring equipment is proposed to be installed on a heritage-listed structures	Construction	Environmental Coordinator	CoA E44 EPO-NV-2

ID	Measure / Requirement	How Implemented	When to implement	Responsibility	Reference
NV64	If the predicted ground-borne vibration levels exceed the cosmetic damage objectives in Section 6.4.2, a different construction method with lower source vibration levels must be used where feasible and reasonable. Otherwise construction works should not proceed unless attended vibration measurements are undertaken at the commencement of the works to determine if there is risk of exceeding of the cosmetic damage objective; or a permanent vibration monitoring system is installed, to warn plant operators (for example via flashing light, audible alarm, SMS) when vibration levels are approaching the cosmetic damage objective.	CNVIS to identify areas where the minimum working distances for vibration intensive activities cannot be achieved. CNVIS to inform construction planning and methodology Vibration monitoring to include attended and permanent vibration monitoring system with means to alter plant operator of exceedances of vibration objectives.	Construction	Environmental Coordinator	NV-3 EPO-NV-2
NV65	Assess noise generating works within 300m of the Grey-headed Flying Fox camp in Parramatta Park.	Refer to the GHFF Mitigation Application Procedure presented in Grey-headed Flying-fox Construction Monitoring Program (ECOSURE, August 2019) ECM	Construction	Trained Ecologist	C9(c)

12 Compliance management

12.1 Roles and responsibilities

The JV Project Team's organisational structure and overall roles and responsibilities are outlined in Section 3.2 of the CEMP. Specific responsibilities for the implementation of environmental controls are of this Sub-plan are outlined below.

12.1.1 CPBD JV Environment and Sustainability Manager

The Environment and Sustainability Manager is a member of the JV Senior Management Team and is accountable for the environmental and sustainability performance of the Infrastructure Works. Key responsibilities associated with this Sub-plan are detailed as follows:

- Develop and implement the Noise and Vibration Management Sub-plan
- Oversee noise and vibration monitoring in accordance with this Sub-plan
- Oversee the preparation of CNVISs
- Oversee compliance tracking and reporting
- Oversee the keeping of all environmental records
- Engage suitably qualified consultants to support implementation of this Sub-plan
- In consultation with the Project Director and Senior Construction Manager, oversee the investigation and reporting of environmental incidents arising from noise and/or vibration
- Regularly engage with the Great River City Light Rail consortium and other interface contractors to achieve environmental alignment (e.g. out of hours works, cumulative impacts) in accordance with the Interface Management Plan.

12.1.2 Environmental Coordinator

Environmental Coordinators report to the JV Environment and Sustainability Manager and are accountable for implementing the environmental requirements during the planning and execution of the Infrastructure Works. Key responsibilities associated with this Sub-plan are detailed as follows:

- Implement the Noise and Vibration Management Sub-plan including preparing and reviewing Out-of-Hours Works Permits
- Direct the preparation of CNVISs by the Acoustic Consultant
- Complete noise and vibration monitoring and reporting with the assistance of the Acoustic Consultant where required (subject to technical expertise)
- Direct suitably qualified consultants to support implementation of this Sub-plan
- Assist the JV Environment and Sustainability Manager with the investigation and reporting of environmental incidents arising from noise and/or vibration.

12.1.3 Acoustic Consultant

Acoustic consultants will be engaged to implement tasks required by the Noise and Vibration Management Sub-plan that require specialist knowledge. Key responsibilities of the Acoustic consultants are detailed as follows:

- Prepare and maintain the Land Use Study required under Condition E20
- Complete the Assessment System and Baseline Study and ambient baseline vibration monitoring

- Prepare Construction Noise and Vibration Assessments in accordance with E42
- Provide and / or verify a construction phase noise model to predict the cumulative impacts of construction noise and vibration impacts
- Undertaken noise and vibration monitoring as directed by the Environmental Coordinator.

12.1.4 Community Place Managers

Community Place Manager are the key point of contact between the Project and the affected community (including bother residential and non-residential receivers). Key responsibilities of the Community Place Manager are detailed as follows:

- Consult with the affected community to determine preference for working hours and respite in accordance with Condition E39.
- Consult with affected businesses on Eat Street in accordance with the Business Activation Plan required by Condition E110 to determine Construction outside the hours identified in Condition E21
- Consult with other PLR works packages, other major project and utilities to ensure that respite is coordinated to provide affected receivers with agreed respite periods
- Prepare of E39 Consultation Summary Reports detailing the affected communities' preferences and considerations for scheduling of works and respite
- Implement the determined additional mitigation measures (excluding monitoring) described in Section 11.3 as determined in the CNVIS.
- Respond to community complaints including complaints resulting from noise and vibration impacts.

12.1.5 Site Supervisors

Site Supervisors are responsible for the implementation of the standard and specific mitigation measures that are determined to be reasonable and specified in OOHW Permits.

Site Supervisors are also responsible for directing works only during the working hours that have been approved in by the OOHW Permits or High Noise Impact Working Hours Permits.

12.1.6 Acoustics Advisor

A suitably qualified and experienced Acoustics Advisor (AA) has been engaged for the duration of construction and for no less than six months following completion of construction of the CSSI. The AA has been engaged by TfNSW and approved by DPIE.

The AA will provide a statutory declaration to the Secretary that they are independent of the design and construction personnel. The Proponent will cooperate with the AA by:

- Providing access to noise and vibration monitoring activities as they take place;
- Providing for review noise and vibration plans, assessments, monitoring reports and data analyses undertaken; and
- Considering any recommendations to improve practices and demonstrating, to the satisfaction of the AA, why any recommendation is not adopted.

The AA will meet the following minimum requirements:

- Relevant experience in the last ten years as a senior acoustic specialist on major infrastructure projects, including a fieldwork and construction management component;
- Tertiary qualifications in an acoustic related discipline or equivalent experience; and

- Proven understanding and application of NSW State and local legislation, relevant Australian standards, NSW environmental regulatory requirements and implementation of noise mitigation and environmental best practice.

The Proponent will notify the Department in writing on the engagement of the AA including demonstrating the requirements of Conditions A26 and A27.

The AA must:

- Receive and respond to communication from the Secretary about the performance of the CSSI in relation to noise and vibration;
- Consider and inform the Secretary on matters specified in the terms of this approval relating to noise and vibration;
- Consider and recommend, to the Proponent, improvements that may be made to work practices to avoid or minimise adverse noise and vibration impacts;
- Consider consultation outcomes with affected receivers to determine the adequacy of noise mitigation and management measures including work hours and respite periods;
- Review all noise and vibration documents required to be prepared under the terms of this approval and, should they be consistent with the terms of this approval, endorse them before submission to the Secretary (if required to be submitted to the Secretary) or before implementation (if not required to be submitted to the Secretary), including:
    - The Land Use Survey (Section 12.3.1)
    - Building Condition Survey Reports (Section 12.3.2)
    - Measurements of existing ambient vibration levels (Section 12.3.4)
    - CNVISs (Section 9.1)
    - Communication Action plans and Consultation Records in accordance (Section 11.4)
    - Noise and Vibration Noise Complaint reports (CEMP Section 3.6.4)
    - Noise and Vibration Monitoring Report (Section 12.5).
- Regularly monitor the implementation of all noise and vibration documents required to be prepared under the terms of this approval to ensure implementation is in accordance with what is stated in the document and the terms of this approval. The JV will facilitate the AA to attend inspections, monitoring or audits as requested by the AA.
- In conjunction with the ER, the AA must:
    - As may be requested by the Secretary, help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings, and site visits;
    - If conflict arises between the Proponent and the community in relation to the noise and vibration performance during construction of the CSSI, follow the procedure in the Community Communication Strategy approved under Condition B3 of this approval to attempt to resolve the conflict, and if it cannot be resolved, notify the Secretary;
    - Consider relevant minor amendments made to the CEMP, relevant Sub-plans and noise and vibration monitoring programs that require updating or are of an administrative nature, and are consistent with the terms of this approval and the management plans and monitoring programs approved by the Secretary and, if satisfied such amendment is necessary, endorse the amendment. This does not include any modifications to the terms of this approval;
    - Assess the noise impacts of minor construction ancillary facilities; and
    - Prepare and submit to the Secretary and other relevant regulatory agencies, for information, a monthly Noise and Vibration Report detailing the AAs actions and decisions on matters for which the AA was responsible in the preceding month (or

another timeframe agreed with the Secretary). The Noise and Vibration Report must be submitted within seven days following the end of each month for the duration of construction of the CSSI, or as otherwise agreed with the Secretary.

12.1.7 Environmental Representative (ER)

The primary role of the ER is to independently oversee compliance with the Planning Approval and act as the principle point of advice in relation to environmental performance. Engaged by the Independent Certifier, the role of the ER is specified in Schedule 2, Part A of the Planning Approval, specifically CoA A19 to A25.

In accordance with CoA A23 (a-i) and CoA C7, the responsibilities of the approved ER as related to this Sub-plan are summarised as follows:

- Receive and respond to communication from the Secretary in relation to the environmental performance of the CSSI
- Consider and inform the Secretary on matters specified in the terms of this approval
- Endorse the Construction Monitoring Programs including the Noise and Vibration Monitoring program in accordance with C9(b) included within this Subplan.
- Consider and recommend to the Proponent any improvements that may be made to work practices to avoid or minimise adverse impact to the environment and the community
- Review documents identified in Table 2 [of the Planning Approval] and any other documents that are identified by the Secretary, for consistency, in the opinion of the ER, with requirements in or under this approval
- Regularly monitor the implementation of the documents listed in Table 2 [of the Planning Approval] to ensure implementation is being carried out in accordance with the document and the terms of this approval
- Assist the Department in the resolution of community complaints
- Endorse the CEMP which is then submitted to the Secretary for approval no later than one month before the commencement of construction
- Approve low and moderate risk out of hours activities in consultation with the AA.

12.2 Training

All employees, contractors and utility staff working on site will undergo site induction training that includes construction noise and vibration management issues. The induction training will address elements related to noise and vibration management including:

- Existence and requirements of this Sub-plan
- Relevant legislation
- Standard construction hours
- Out of hours works protocol, including consultation
- Location of noise sensitive areas
- Complaints reporting
- General noise and vibration management measures.

Targeted training in the form of toolbox talks or specific training will also be provided to personnel with a key role in noise and vibration management. Examples of training topics include, but are not limited to:

- Placement of equipment and machinery away from sensitive receivers

- Heavy vehicle movements
- Operation of noisy plant
- Application of specific noise shielding around site plant.
- Specific responsibilities to minimise impacts on the community and built environment from noise and vibration associated with the works.

Mitigation measures that require toolbox talks or specific training are identified in Section 11.5.

Further details regarding staff induction and training are outlined in Section 3.4 of the CEMP.

12.3 Inspection and monitoring

A Construction (Noise and Vibration) Monitoring Program in accordance with CoA C9(b) has been developed in consultation with the relevant government agencies and Council (refer to Section 4). The Noise and Vibration Monitoring Program has been endorsed by the AA, ER and was submitted to the Secretary for information at least one month before commencement of construction. Construction shall not commence until the Secretary has received all the required Construction Monitoring Programs. The Construction Monitoring Programs, including any minor amendments approved by the ER, will be implemented for the duration of the Project and for any longer period set out in the monitoring program or specified by the Secretary, whichever is greater.

The following sections summaries the various elements of the Noise and Vibration Monitoring Program. Section 6.2, 6.3 and 6.4 outline the relevant air borne noise criteria, ground bourn noise criteria and vibration criteria for the Construction (Noise and Vibration) Monitoring Program.

12.3.1 Land Use Survey

A detailed land use survey has been undertaken to confirm sensitive receivers potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. The key objective of the land use survey is to identify all sensitive receivers in proximity to the PLR Stage 1 alignment which may potentially be exposed to noise and vibration (construction and operations).

The land use assessment has been undertaken using a combination of on-site site visual inspections and desktop reviews of Local Government Land Use Maps, NearMap, Google Street View, Land and Property Information databases and other data provided in the EIS. The land use area considers buildings within an approximate distance of 300 m of the alignment on both sides. This distance of 300 m is adequate to cover sensitive receivers potentially exposed to construction noise and vibration during standard construction hours and out of hours work (OOHW) periods.

The completed Land Use Survey is provided in **Appendix B**.

12.3.2 Building Condition Survey

Prior to the commencement of any construction, and with the agreement of the landowners, building condition surveys will be conducted on all buildings identified as being at risk of damage. This will be undertaken by a structural engineer. Buildings will be considered as being at risk of vibration damage if they are located within the minimum safe working distances for vibration intensive activities for cosmetic damage. Based on the criteria building conditions surveys will be completed on all buildings within 50 metres of construction activities involving vibration intensive plant or demolition.

The results of the surveys will be documented in a Building Condition Survey Report for each building surveyed. Copies of the reports will be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant council within three weeks of completing the survey and no later than one month before the commencement of construction.

Buildings will be identified as being at risk of cosmetic damage if they are located within the recommended safe working distances for vibration intensive plant (based on BS7385:2 Evaluation

and Measurement for Vibration in Buildings Part 2: Guide to Damage Levels from Ground-borne Vibration, 1993). For most sources of intermittent vibration during construction, such as rock breakers, the predominant vibration energy occurs at frequencies usually in the 10 Hz to 100 Hz range. On this basis, and with reference to BS7385:2, a vibration damage screening level of 7.5 mm/s has been adopted for assessing potential impacts from continuous vibration.

After completion of construction and with the agreement of the landowner, building condition surveys of all buildings for which building condition surveys were undertaken in accordance with Condition E45 of the Planning Approval must be undertaken by a structural engineer.

The results of the surveys will be documented in a Building Condition Survey Report for each building surveyed. Copies of Building Condition Survey Reports will be provided to the landowners of the buildings surveyed, and if agreed by the landowner, the relevant Council within three weeks of completing the surveys and no later than three months following the completion of construction.

The JV will review the pre- and post- Building Condition Survey Reports and prepare a root cause analysis for each damage claim received. The JV will be responsible for the repair or compensation to the owner for any physical property damage caused by the Infrastructure Works. Repair or compensation shall occur within a timeframe agreed to by the property owner with the costs borne by the JV.

In the event that the root cause analysis determines that the damage is not attributable to the Infrastructure Works and the outcome is disputed by the property owner, the JV will engage an independent structural engineer to assist in resolving the dispute.

12.3.3 Baseline noise monitoring

A comprehensive noise monitoring program was undertaken for the EIS which has established baseline noise levels (RBL). This data is presented above in Section 7.1 and has been used to establish the noise management levels for each noise catchment.

Changes in land use with reference to the EIS noise catchment areas will be reviewed in the Land Use Survey (refer to Section 9.1). Where changes in land use are identified that may result in changes to the noise management levels established in the EIS, revised baseline monitoring will be completed prior to the commencement of construction works. If revised baseline noise monitoring is undertaken it will be provided to the DPIE in accordance with the requirements of CoA C14.

12.3.4 Baseline vibration monitoring

TfNSW completed surveys receivers along the alignment in 2017 to identify businesses and institutions that contain equipment that may be sensitive to noise and vibration. Numerous baseline noise and vibration assessments were completed of these facilities. Consultation with businesses and institutions was reviewed during the development of the Land Use Survey prepared in accordance with Condition E20.

Based on the Land Use Survey and consultation with facilities with vibration sensitive scientific and medical equipment, measurements of existing ambient vibration levels will be carried out at receivers with vibration sensitive equipment where no existing baseline data exists. The ambient vibration monitoring will be undertaken for a minimum of one week at the identified locations prior to the commencement of vibration intensive activities.

The data from the existing ambient vibration levels monitoring will be used to form site specific vibration criteria for each of the identified facilities. Within the Westmead, Cumberland East and Cumberland West Health Precincts, an Assessment System and Baseline Study will be prepared in consultation with Health Administration Corporation to identify equipment and spaces sensitive to noise and /or vibration, determine and agree on specific vibration criteria and develop the TfNSW Funded HAC Protection and Relocation. Data from the Baseline Study will be provided to the asset HAC and TfNSW.

12.3.5 Construction noise monitoring

Noise monitoring will be undertaken throughout the construction phase of the Project in accordance with the following requirements:

- **Verification monitoring upon commencement** – upon commencement of a new activity to verify the accuracy of prediction in Appendix D or a CNVIS
- **Monthly verification monitoring** – at the sixteen ambient noise survey locations identified in the EIS Technical paper 13 - Noise and Vibration Impact Assessment (refer to **Table 12-1**) during months including construction activities occurring during standard construction hours for verification of the predicted worst-case noise levels in **Appendix D**
- **Out of Hours Works Verification Monitoring** – where specified as an additional mitigation measures within a CNVIS, verification monitoring will occur at the most affected receiver of each receiver type
- **Potential or predicted high noise impact works** – to verifier high impact works (above >75dB(A) at the nearest sensitive receiver including the Grey Headed Flying Fox camp in Parramatta Park) to confirm if respite periods are required
- **Complaint investigation** – in response to complaints the JV must include an offer to the complainant to undertake noise or vibration monitoring at their premises if the JV is not in possession of noise monitoring data representative of the complainant's location and of the subject works and activities being undertaken on the licensed premises.

Construction noise monitoring in addition to the above may also be undertaken to assist in identifying and/ or managing high risk noise events, such as during school examination periods, or as required by an EPL.

Task specific noise goals will be established for each task based on the criteria in Section 6.2 and the application of additional mitigation measures determined in each CNVIS to accommodate the predicted noise impacts. If noise monitoring identifies an exceedance of the established specific noise goals the following will occur:

- Construction activities will be assessed to determine if the alternate mitigation measures (e.g. reduction of the number of plant or installation of additional shielding) can be implemented to achieve the specific noise goals. In this case monitoring will be repeated following the implementation or application of alternate mitigation measures
- If the alternate mitigation measures reduce the noise impact to below the specific noise goals, the works will continue
- If the alternate mitigation measures are unable to reduce the noise impact to below the specific noise goals, the works will continue only to the extent to make the site safe.

Table 12-1: Ambient Noise Monitoring Locations

ID	Precinct	NCA	Noise Monitoring Location
WM01	Westmead	NCA01	8-12 Alexandra Ave, Westmead
WM02		NCA02	157 Hawkesbury Rd, Westmead
WM03		NCA03	199 Hawkesbury Rd, Westmead
WM04		NCA04	Cumberland Hospital East
PN05		NCA05	55 O'Connell St, North Parramatta

ID	Precinct	NCA	Noise Monitoring Location
PN06	Parramatta North	NCA06	St Patricks Cemetery, North Parramatta
CPB07	Parramatta CBD	NCA07	20 Victoria Rd, Parramatta
CBD08		NCA08	Arthur Phillip Highschool, Parramatta
RC09	Rosehill and Camellia	NCA09	9 Noller Pde, Parramatta
RC10		NCA10	5 Hope St, Rosehill
CA11	Carlingford	NCA11	14 Dudley St, Rydalmere
CA12		NCA12	Dundas Station
CA13		NCA13	22 Adderton Rd, Telopea
CA14		NCA14	Telopea Station
CA15		NCA15	89 Marshall Rd, Telopea
CA16		NCA16	Carlingford Station

Noise monitoring methods

Noise monitoring equipment used will be at least Type 2 instruments as described in AS IEC 61672.1 2004 'Electroacoustic – Sound Level Meters – Specifications' and calibrated to standards that are traceable to Australian Physical Standards held by the National Measurement Laboratory (CSIRO Division of Applied Physics). The calibration of the monitoring equipment will be checked in the field before and after the noise measurement period in accordance with Standards Australia AS/IEC 60942:2004/IEC 60942:2003–Electroacoustic – Sound Calibrators.

All attended environmental noise measurements will be taken with the following meter settings:

- Time Constant - FAST (i.e. 125 milliseconds)
- Frequency Weightings - A-weighting
- Sample Period - 15 minutes.

The noise loggers will be programmed to accumulate LA90, LA10, LAeq and LAmax data and will be assessed against applicable noise levels. Measurements of noise will be disregarded when it is raining and / or the wind speed is greater than 5m/s (18km/HR).

Outdoor noise monitoring is to be undertaken at least 3.5 m from any reflecting structure other than the ground. The preferred measurement height is 1.2 to 1.5m above the ground. Where the noise monitors are placed within 3.5 m of building facades, walls or cliffs, then a reflection correction of up to -2.5dB(A) shall be applied to remove the effect of increased noise due to sound reflections from such structures.

Measurements inside buildings will be at least 1 m from the walls or other major reflecting surfaces, 1.2 to 1.5 m above the floor, and about 1.5 m from windows.

The following information will be recorded within the noise monitoring record template:

- Date and time of measurements
- Type and model number of instrumentation

- Results of field calibration checks before and after measurements
- Description of the time aspects of each measurement (i.e. sample times, measurement time intervals and time of day)
- Location of the nearest sensitive receiver
- Sketch map of area
- Measurement location details and number of measurements at each location
- Weather conditions during measurements
- Operation and load conditions of the noise sources under investigation
- Any adjustment made for presence or absence of nearby reflecting surfaces
- Noise due to other sources (e.g. traffic, aircraft, trains, dogs barking, insects etc.).

12.3.6 Construction vibration monitoring

Vibration monitoring is to be undertaken throughout the Project in accordance with the following requirements:

- **Trial vibration testing** – attended vibration monitoring of vibration intensive activities undertaken in non-sensitive areas and at a range of distances from the source to assess safe working distances for cosmetic damage. The results of the trial monitoring would be compared against predicted vibration levels and the potential for impact refined, if deemed appropriate.
- **Verification monitoring upon commencement of new vibratory activity** – attended vibration monitoring will be undertaken at the commencement of vibration generating activities located near sensitive receivers to confirm that vibration levels are within the acceptable range to prevent cosmetic building damage or vibration levels are predicted to be greater than the maximum values for human comfort because of works
- **Unattended vibration monitoring** – vibration monitoring equipment with alarm systems (visual beacon / alarm or telemetry where suitable) will be used when vibratory works are occurring within a potential range for cosmetic damage to buildings or heritage items or disruption to sensitive scientific or medical equipment
- **Vibratory works near heritage listed items** – vibration testing will be conducted before (attended) and during (unattended) vibration generating activities that have the potential to impact on heritage listed items. If the vibration criteria are likely to be exceeded, construction methodology will be reviewed
- **Out of Hours Works Verification Monitoring** – where specified as an additional mitigation measures within a CNVIS
- **Complaint investigation** – in response to complaints where the complaint suggest impacts are greater than the predicted levels in the CNVIS
- **EPL** – vibration monitoring will also be undertaken where required by an EPL such as in response to complaints or as directed by an authorised officer of the EPA.

In the event of an exceedance of vibration criteria, works will cease or be modified at the direction of the Environment and Sustainability Manager or delegate. Modification or substitution of work methods will be undertaken wherever possible, including but not limited to, with additional measures to undertake monitoring as required:

- Equipment / plant substitution
- Selective use of enhanced equipment / plant.

Vibration monitoring methods

Vibration monitoring will be undertaken in accordance with the vibration measurement requirements stipulated in the legislative standards and guidelines, and will include the following:

- Vibration monitoring equipment will be placed outside at the footings or foundations of the building of interest, closest to the vibrating plant
- Surface will be solid and rigid to best represent the vibration entering the structure of the building under investigation
- Vibration sensor or transducer shall not be mounted on loose tiles, loose gravel or other resilient surfaces
- Vibration sensor or transducer shall be directly mounted to the vibrating surface using either bees wax or a magnetic mounting plate onto a steel washer, plate or bracket which shall be either fastened or glued to the surface of interest
- Where a suitable mounting surface is unavailable, then a metal stake of at least 300mm in length shall be driven into solid ground adjacent to the building of interest, and the vibration sensor or transducer shall be mounted on that.
- Vibration monitors will have alerts set at the peak vibration velocity
- Where vibration monitoring equipment must be installed on heritage listed structures, the advice of a heritage specialist on the methods and locations of the installation will be sought.

The following procedure is to be followed by personnel suitably qualified and experienced in undertaking vibration measurements. Data that is collected will be compared against applicable criteria and baseline data. All vibration monitoring equipment is to be calibrated at least once every two years by an ISO 17025 accredited laboratory that holds NATA or ILAC accreditation for completion of vibration calibrations. The monitoring system will also have a measurement frequency range down to 1 Hz.

All short-term vibration monitoring will be recorded over 15-minute sample intervals. The magnitude of vibration is to be recorded at a minimum rate of 10 samples per second. The following minimum range of vibration metrics will be stored in memory and reported:

- Vibration Dose Values (VDVs)
- Root-mean-square (rms) – maximums and statistical levels
- Peak-particle velocity (ppv) – maximums and statistical levels.
- In addition to measuring and reporting overall vibration, statistical vibration will also be measured and reported in third-octave band frequencies from 1Hz to 250Hz.

The following information will be recorded within the vibration monitoring record template:

- Date and time of measurements
- Type and model number of instrumentation
- Description of the time aspects of each measurement (i.e. sample times, measurement time intervals and time of day)
- Sketch map of area
- Measurement location details and number of measurements at each location
- Operation and load conditions of the vibrating plant under investigation
- Possible vibration influences from other sources (e.g. domestic vibrations, other mechanical plant, traffic, etc.).

12.4 Monitoring and inspection schedule

The monitoring and inspections requirements relevant to the noise and vibration are summarised in **Table 12-2**.

12.5 Reporting

Reporting requirements relevant to the noise and vibration are identified in **Table 12-3**.

Table 12-2: Inspection and Monitoring Requirements

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
Land Use Survey	Assessment of each sensitive receivers potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. Changes in land use with reference to the EIS land use will be reviewed and highlighted.	Pre-construction	To be updated during construction if significant changes in land use are identified during construction	Environment and Sustainability Manager Acoustic Engineer (consultant)	Land Use Survey Data to be used in the development of the NVMP, CNVIS, GIS and ECM
Pre-construction Building Condition Survey	A pre-construction structural condition assessment of each building identified as being at risk of damage (refer to Section 12.3.1)	Pre-construction	Once	Structural Engineer	Building Condition Survey Report for each building
Post-construction Building Condition Survey	A post-construction structural condition assessment of each building identified as being at risk of damage (refer to Section 12.3.1)	No later than three (3) months following the completion of construction	Once (or in response to complaints of building cracking following the commencement of construction)	Structural Engineer	Building Condition Survey Report for each building
Ambient vibration monitoring	Ambient vibration monitoring at facilities with vibration sensitive scientific and medical equipment for a minimum of one week at the identified locations prior to the commencement of vibration intensive activities.	Prior to the commencement of vibration intensive activities	Once	Environment and Sustainability Manager Acoustic Engineer (consultant)	Ambient vibration monitoring reports

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
HAC Baseline Noise and Vibration Study	Within the Westmead, Cumberland East and Cumberland West Health Precincts, baseline study to identify equipment and spaces sensitive to noise and /or vibration and determine ambient noise and vibration levels	Prior to Construction	Once	Environment and Sustainability Manager Acoustic Engineer (consultant)	Assessment System and Baseline Study
Construction Noise Monitoring	Verification monitoring upon commencement	Construction	Upon commencement of a new activity	Environment Coordinator	Monthly environmental monitoring report Annual Environment report
	Monthly verification monitoring	Construction	Monthly (during months including construction activities are occurring)	Environment Coordinator	
	Out of Hours Works Verification Monitoring	Construction	Where specified as an additional mitigation measures within a CNVIS	Environment Coordinator	
	Potential or predicted high noise impact works verification	Construction	When high noise impact works are predicted	Environment Coordinator	

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
	Noise and Vibration Complaint investigation. Subject to EPL Condition M2.4, the JV must include an offer to the complainant to undertake noise or vibration monitoring at their premises if the JV is not in possession of noise monitoring data representative of the complainant's location and of the subject works and activities being undertaken on the licensed premises.	Construction	Each complaint where the complaint suggest impacts are greater than the predicted levels in the CNVIS	Environment Coordinator	Complaint report Monthly environmental monitoring report Annual Environment report
	Noise monitoring undertaken by direction of an authorised officer of the EPA.	Construction	As directed by an authorised officer of the EPA	Environment Coordinator	Preliminary Investigation Report Follow-Up Investigation Report
Construction vibration monitoring	Trial vibration testing	Construction	As required to assess each vibratory plant / equipment	Environment Coordinator	Monthly environmental monitoring report

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
	Verification monitoring upon commencement	Construction	At the commencement of vibration generating activities located near buildings and/or sensitive receivers	Environment Coordinator	Annual Environment report
	Unattended vibration monitoring	Construction	When vibratory works are occurring within a potential range for cosmetic damage to buildings or heritage items or disruption to sensitive scientific or medical equipment	Environment Coordinator	
	Vibratory works near heritage listed items	Construction	Before (attended) and during (unattended) vibration generating activities that have the potential to impact on heritage listed items	Environment Coordinator	

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
	Out of Hours Works Verification Monitoring	Construction	When specified as an additional mitigation measures within a CNVIS	Environment Coordinator	
	Noise and Vibration Complaint investigation. Subject to EPL Condition M2.4, the JV must include an offer to the complainant to undertake noise or vibration monitoring at their premises if the JV is not in possession of noise monitoring data representative of the complainant's location and of the subject works and activities being undertaken on the licensed premises.	Construction	Each complaint where the complaint suggest impacts are greater than the predicted levels in the CNVIS	Environment Coordinator	Complaint report Monthly environmental monitoring report Annual Environment report
	Vibration monitoring undertaken by direction of an authorised officer of the EPA.	Construction	As directed by an authorised officer of the EPA	Environment Coordinator	Preliminary Investigation Report Follow-Up Investigation Report

Item	Scope	Timing	Frequency	Responsibility	Records / Reporting
Daily visual observations	Daily site checks of source and standard noise mitigation measures between weekly inspections.	Construction	During any works	Site Supervisors	Report by exception in Daily Diary Notification of issues / incidents / non-compliance to Environmental Coordinator
Weekly Inspections	Inspection of the environmental controls and implementation of the soil and water quality mitigation measures outlined in Table 6-1.	Construction	Weekly	Environmental Coordinator & Site Supervisor, TfNSW, ER or AA where required.	Weekly Environmental Inspection Checklist ER Inspection Report

Table 12-3: Reporting Requirements

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
Land Use Survey	Assessment of each sensitive receivers potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. Changes in land use with reference to the EIS land use will be reviewed and highlighted.	Pre-construction	To be updated during construction if significant changes in land use are identified during construction	Environment and Sustainability Manager Acoustic Engineer (consultant)	AA TfNSW
Environmental Design Review Reports	Reports to accompany each design package that will demonstrate consideration of environmental impacts including, where relevant, noise and vibration impacts	Design	With each stage of each design package	Environment and Sustainability Manager with input from JV's Arborist	Independent Certifier
Pre-construction Building Condition Survey Reports	A factual report of the pre-construction structural condition of each building identified as being at risk of damage (refer to Section 12.3.1)	Pre-construction	Report to be provided within three weeks of completing the surveys	Structural Engineer	Landowners of the buildings surveyed, Relevant Council (if agreed by the landowner) AA

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
Post-construction Building Condition Survey Reports	A factual report of the post-construction structural condition of each building identified as being at risk of damage (refer to Section 12.3.1)	Post-construction	Report to be provided within three weeks of completing the surveys	Structural Engineer	Landowners of the buildings surveyed, Relevant Council (if agreed by the landowner) AA
Assessment System and Baseline Study	Assessment System and Baseline Study will be prepared in consultation with Health Administration Corporation to identify equipment and spaces sensitive to noise and /or vibration and develop the TfNSW Funded HAC Protection and Relocation Activities The Assessment System and Baseline Study form part of the monitoring program	Pre-construction	Once	Environment and Sustainability Manager	Health Administration Corporation TfNSW AA DPIE (subject to consent from Health Administration Corporation)
Ambient vibration monitoring reports	Existing ambient vibration level reports for each applicable institution or building	Pre-construction	Once	Environment and Sustainability Manager	Landowners of the facilities with sensitive equipment or spaces AA

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
Monthly Environmental Monitoring Report	Summary of months: • Ambient vibration monitoring • Construction noise monitoring • Construction vibration monitoring • Issues / incidents / non-compliances	Construction	Monthly, within seven Business Day after the end of the relevant calendar month.	Environment and Sustainability Manager	TfNSW IC EPA ER, AA Relevant Councils Made publicly available (https://www.cpbcon.com.au/en/our-priorities/environment)
AA Monthly Noise and Vibration Report	A monthly Noise and Vibration Report detailing the AAs actions and decisions on matters for which the AA was responsible in the preceding month (or another timeframe agreed with the Secretary).	Construction	Within seven days following the end of each month for the duration of construction of the CSSI	AA	DPIE
Quarterly Environment Report (Compliance Tracking Program)	Compliance reporting against the Planning Approval and CEMP including the requirements identified in this plan (Table 3-2 and Table 3-3).	Pre-construction Construction	Within seven Business Days after the relevant quarter end	Environment and Sustainability Manager	TfNSW IC

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
Annual Environment Report	Annual review of the monitoring and reporting requirements of the CEMP Sub-plans including this Sub-plan and with reference to the obligations of Condition C16.	Construction	Within ten Business Days after the end of the relevant calendar year	Environment and Sustainability Manager	TfNSW IC DPIE
Emergency construction works	On becoming aware of the need for emergency construction works, the Proponent must notify the ER of the need for those activities or works. The Proponent must also use best endeavours to notify all affected sensitive receivers of the likely impact and duration of those works. In accordance with the TfNSW CNVS, emergency OOHW will be recorded as an environmental incident (refer to the CEMP, Section 3.7).	Pre-construction Construction	On becoming aware of the need for emergency construction works	Environment and Sustainability Manager	TfNSW IC EPA for works under and EPL

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
EPL Monthly Report	In accordance with the POEO Action Section 66(6), EPL monitoring data that relates to pollution including discharge data and any non-compliances relating to Pollution of Waters.	Within 14 days of obtaining monitoring data For duration of period in possession of EPL	Monthly	Environment and Sustainability Manager	EPA Publicly available on company website
EPL Annual return	On the anniversary of the EPL, an Annual Return must be provided including a summary of monitoring requirement applicable to the EPL including noise and vibration monitoring and any non-compliances	Construction	Annually	Environment and Sustainability Manager	EPA
Noise or vibration complaint investigation	Subject to EPL Condition M2.4, advise each complainant of the results of noise or vibration investigation including monitoring results and any proposed remedial action	Construction	In response to acceptance by complainant to undertake noise or vibration monitoring at their premises	Environment and Sustainability Manager	Each complainant

Report	Scope	Timing	Frequency	Responsibility	Submission[1]
Preliminary Investigation Report (Noise and Vibration)	Subject to EPL Condition R4.2, upon request of an authorised officer, the licensee must submit a Preliminary Investigation Report to the EPA in respect of any noise or vibration monitoring undertaken in accordance with the requirements of this licence.	Construction	Submitted to the EPA by 4:30pm on the afternoon of the next working day following any noise or vibration monitoring	Environment and Sustainability Manager	EPA
Follow-Up Investigation Report (Noise and Vibration	Subject to EPL Condition R4.3, in the event of any construction related exceedance of the noise goals or limits identified through the Preliminary Investigation Report (Noise and Vibration) request by an authorised EPA officer.	Construction	Submitted to the EPA within 5 business days of any noise or vibration monitoring having been undertaken (unless otherwise approved by the EPA)	Environment and Sustainability Manager	EPA

Noted: 1 Submission of report to nominated stakeholders will be electronically (email) unless otherwise requested.

12.6 Auditing

Audits (both internal and external) will be undertaken to assess the effectiveness of environmental controls, compliance with this sub plan, CoA and other relevant approvals, licenses and guidelines.

Audit requirements are detailed in Section 3.8.4 of the CEMP.

The AA in conjunction with the ER, as may be requested by the Secretary, help plan, attend or undertake audits of noise and vibration management of the CSSI including briefings and site visits.

12.7 Licences and permits

Environment Protection Licence requirements are identified in Attachment A1 of the CEMP and will apply to this Project in relation to noise and vibration management. No additional permits or licences are expected to be required in relation to the management of noise and vibration on the Project.

13 Review and improvement

13.1 Continuous improvement

Continuous improvement of this Sub-plan will be achieved by the ongoing evaluation of environmental management performance against environmental policies, objectives and targets to identifying opportunities for improvement.

The continuous improvement process will be designed to:

- Identify areas of opportunity for improvement of environmental management and performance
- Determine the cause or causes of non-conformances and deficiencies
- Develop and implement a plan of corrective and preventative action to address any non-conformances and deficiencies
- Verify the effectiveness of the corrective and preventative actions
- Document any changes in procedures resulting from process improvement
- Make comparisons with objectives and targets.

13.2 Update and amendment

The processes described in Section 3.8 to Section 3.12 of the CEMP may result in the need to update or revise this Sub-plan. This will occur as needed.

Only the Environment and Sustainability Manager, or delegate, has the authority to change any of the environmental management documentation. In conjunction with the ER, the AA must consider relevant minor amendments made to the CEMP, this Sub-plans and noise and vibration monitoring programs and, if satisfied such amendment is necessary, endorse the amendment.

A copy of the updated plan and changes will be distributed to all relevant stakeholders in accordance with the approved document control procedure – refer to Section 3.10.2 of the CEMP.

Appendix A – Out of Hours Work Protocol

The current revision of the Out of Hours Works Protocol is available on the TfNSW Parramatta Light Rail internet site:

http://data.parramattalightrail.nsw.gov.au/s3fs-public/Parramatta%20Light%20Rail%20Stage%201%20Out-of-hours%20work%20Protocol.pdf?MaS_krUonTDVeJtr_lO8t0gFuxelHLP9

Appendix B – Land Use Survey

Condition of Approval: E20
Land Use Survey – Report, Supporting Maps and Land Use Database

Project Name: Parramatta Light Rail Stage 1
Infrastructure Contract

Project number	N81080
Document number	PLR1INF-CPBD-ALL-NV-SUR-000001
Revision date	29 October 2019
Revision	D

Rev.	Date	Prepared By	Reviewed By	Approved By	Remarks
A	15 July 2019	Renzo Tonin & Associates	P. Monsted	P.Monsted	Project alignment excluding Sandown Line
B	5 Sept 2019	Renzo Tonin & Associates	P. Monsted	P.Monsted	Update to address AA comments
C	4 Oct 2019	Renzo Tonin & Associates	P. Monsted	P.Monsted	Update to address AA comments
D	29 Oct 2019	Renzo Tonin & Associates	P. Monsted	P.Monsted	Update to address AA comments

RENZO TONIN & ASSOCIATES
inspired to achieve

Acoustics
Vibration
Structural Dynamics

PARRAMATTA LIGHT RAIL STAGE 1

Land Use Survey (Condition E20)

29 October 2019

CPB Contractors Pty Ltd

TK528-02F03 PLR Stage 1 - Land Use Survey (r5).docx

35 1982-2017 ACOUSTIC ENGINEERING EXCELLENCE

Sydney Melbourne Brisbane Gold Coast Kuwait
Renzo Tonin & Associates ABN 29 117 462 861
Level 1/418A Elizabeth St SURRY HILLS NSW 2010 | PO Box 877 STRAWBERRY HILLS NSW 2012
P (02) 8218 0500 F (02) 8218 0501 sydney@renzotonin.com.au www.renzotonin.com.au

aaac Association of Australian Acoustical Consultants

Document details

Detail	Reference
Doc reference:	TK528-02F03 PLR Stage 1 - Land Use Survey (r5).docx
Prepared for:	CPB Contractors Pty Ltd
Address:	Level 4, 177 Pacific Highway North Sydney NSW 2060
Attention:	Nathan Mete

Document control

Date	Revision history	Non-issued revision	Issued revision	Prepared	Instructed	Authorised
15.03.2019	Draft	0	1	T. Braunstein	C. Weber	C. Weber
15.07.2019	Sensitive equipment and acoustic spaces	-	2	H. Puckeridge	C. Weber	C. Weber
05.09.2019	AA comments	-	3	H. Puckeridge	C. Weber	C. Weber
04.10.2019	AA comments	-	4	H. Puckeridge	C. Weber	C. Weber
29.10.2019	AA comments	-	5	H. Puckeridge	C. Weber	C. Weber

Important Disclaimer:

The work presented in this document was carried out in accordance with the Renzo Tonin & Associates Quality Assurance System, which is based on Australian Standard / NZS ISO 9001.

This document is issued subject to review and authorisation by the Team Leader noted by the initials printed in the last column above. If no initials appear, this document shall be considered as preliminary or draft only and no reliance shall be placed upon it other than for information to be verified later.

This document is prepared for the particular requirements of our Client referred to above in the 'Document details' which are based on a specific brief with limitations as agreed to with the Client. It is not intended for and should not be relied upon by a third party and no responsibility is undertaken to any third party without prior consent provided by Renzo Tonin & Associates. The information herein should not be reproduced, presented or reviewed except in full. Prior to passing on to a third party, the Client is to fully inform the third party of the specific brief and limitations associated with the commission.

In preparing this report, we have relied upon, and presumed accurate, any information (or confirmation of the absence thereof) provided by the Client and/or from other sources. Except as otherwise stated in the report, we have not attempted to verify the accuracy or completeness of any such information. If the information is subsequently determined to be false, inaccurate or incomplete then it is possible that our observations and conclusions as expressed in this report may change.

We have derived data in this report from information sourced from the Client (if any) and/or available in the public domain at the time or times outlined in this report. The passage of time, manifestation of latent conditions or impacts of future events may require further examination and re-evaluation of the data, findings, observations and conclusions expressed in this report.

We have prepared this report in accordance with the usual care and thoroughness of the consulting profession, for the sole purpose described above and by reference to applicable standards, guidelines, procedures and practices at the date of issue of this report. For the reasons outlined above, however, no other warranty or guarantee, whether expressed or implied, is made as to the data, observations and findings expressed in this report, to the extent permitted by law.

The information contained herein is for the purpose of acoustics only. No claims are made and no liability is accepted in respect of design and construction issues falling outside of the specialist field of acoustics engineering including and not limited to structural integrity, fire rating, architectural buildability and fit-for-purpose, waterproofing and the like. Supplementary professional advice should be sought in respect of these issues.

Contents

1 Introduction 4
1.1 Purpose 5
1.2 Quality assurance 5
2 Land use survey 6
2.1 Receiver ID nomenclature and methodology 7
3 Noise and Vibration Objectives 10
APPENDIX A Track Alignment and Land Use Drawings 14
APPENDIX B Land Use Database 15

List of tables

Table 1 Land use categories 7
Table 2 Land use database legend 8
Table 3 Noise and Vibration Objectives 10
Table 4 Residential NMLs 11

List of figures

Figure 1 PLR Stage 1 route 4
Figure 2 ASHRAE and NIST criteria (from ANC Guidelines, 2012) 13

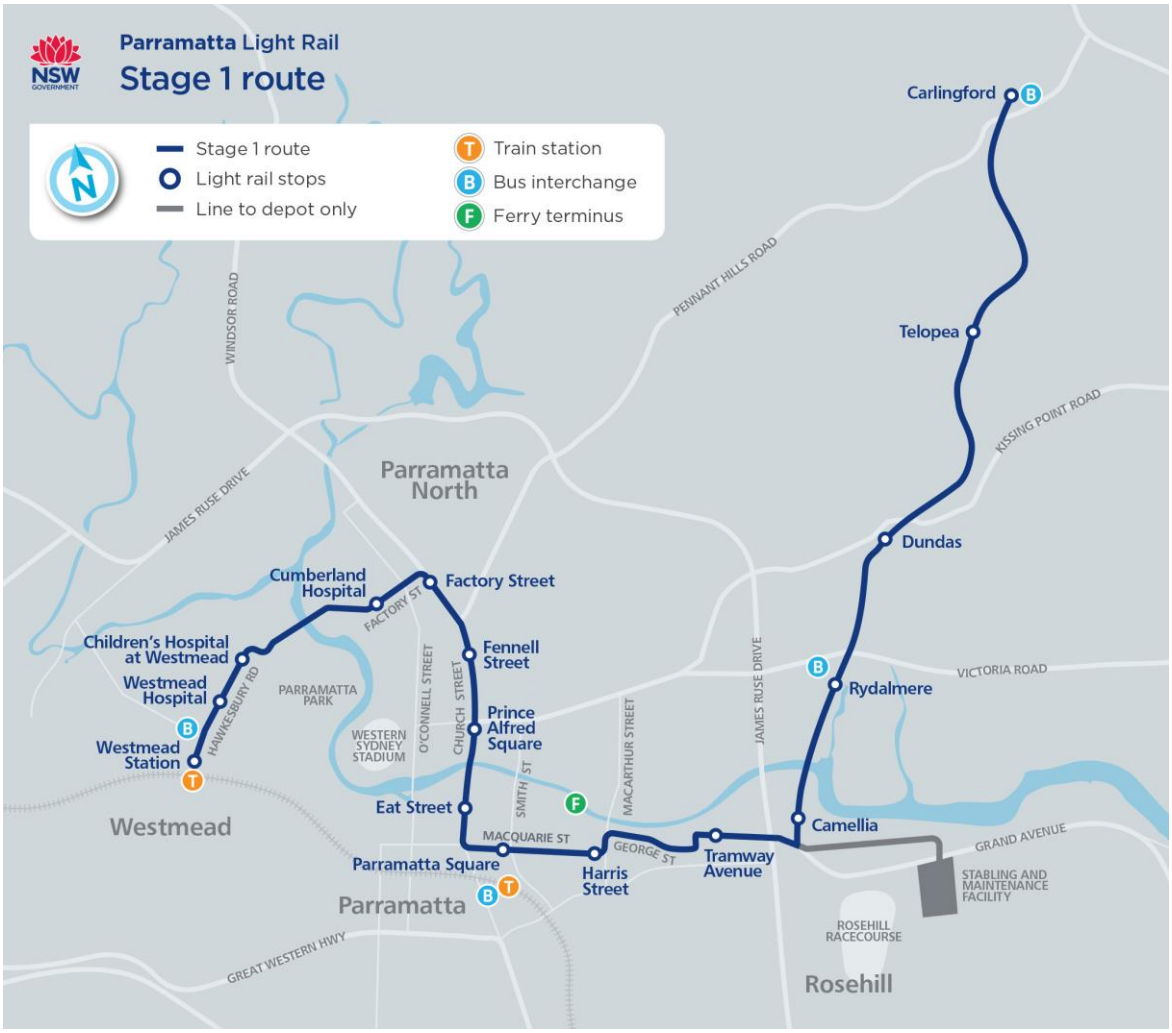
1 Introduction

Parramatta Light Rail (PLR) is one of the State Government's major public transport projects in Western Sydney. PLR Stage 1 will connect Westmead to Carlingford via Parramatta CBD and Camellia with a two-way track spanning 12 kilometres. The proposed route[1] is summarised in Figure 1.

Transport for NSW (TfNSW) is the proponent of the project and CPB Contractors Downer EDI Joint Venture (CPBDJV) has been awarded the contract for the PLR Stage 1 Infrastructure Works.

Renzo Tonin & Associates has been engaged by CPBDJV to prepare a land use assessment for the PLR Stage 1 project to satisfy the requirements of Planning Approval Condition E20.

Figure 1 PLR Stage 1 route



[1] NSW Government Parramatta Light Rail http://www.parramattalightrail.nsw.gov.au/maps accessed 7/3/2019

1.1 Purpose

The purpose of this study is to prepare a land use survey in accordance with the requirements of Planning Approval Condition E20 of SSI 8285[2]. A copy of the condition is provided in the compliance matrix in Table 1.

Table 1 Compliance Matrix - SSI 8285

No.	Condition	Reference
E20	NOISE AND VIBRATION Land Use Survey	
	A detailed land use survey must be undertaken to confirm sensitive receivers (including critical working areas such as operating theatres, precision laboratories housing sensitive equipment and drama theatres) potentially exposed to construction noise and vibration, construction ground-borne noise and operational noise and vibration. The survey may be undertaken on a progressive basis but must be undertaken in any one area before the commencement of works which generate construction or operational noise, vibration or ground-borne noise in that area.	Alignment maps and database of sensitive receivers provided in APPENDIX A and APPENDIX B.
	The results of the survey must be used to develop the Noise and Vibration Management Sub-Plan required by Condition C3 and Construction Noise and Vibration Impact Statements required by Condition E42.	Refer to Appendix B3 Noise and Vibration Management Sub Plan [PLR1INF-CPBD-ALL-NV-PLN-000001] and individual site CNVIS's

The key objective of the land use survey is to identify all sensitive receivers in proximity to the PLR Stage 1 alignment which may potentially be exposed to noise and vibration (construction and operations).

1.2 Quality assurance

The work documented in this report was carried out in accordance with the Renzo Tonin & Associates Quality Assurance System, which is based on Australian Standard / NZS ISO 9001.

[2] NSW Government Department of Planning and Environment, Critical State Significant Infrastructure (CSSI) Approval SSI 8285 for Parramatta Light Rail (Stage 1), Conditions of Approval, MOD 2, 25 January 2019

2 Land use survey

In accordance with the requirements of Planning Approval Condition E20, a detailed land use survey has been undertaken to confirm the location of sensitive receivers that are potentially exposed to construction noise and vibration, construction ground-borne noise or operational noise and vibration from the PLR Stage 1 works.

The land use assessment has been undertaken using a combination of on-site site visual inspections (including discussions with custodians of sensitive equipment and acoustic spaces), and desktop reviews of Local Government Land Use Maps, NearMap, Google Street View, Land and Property Information databases and other data provided in the EIS.

The following documents have been used to assist in preparing the land use assessment:

- Rail Alignment – The rail alignment of each track was provided by the CPBDJV project team. Each track was converted into 5 m segments with the relevant track chainage assigned as a unique identifier for the start of each segment.
- A Cadastral Boundary layer, identifying the property boundaries of all parcels of land within the project area was provided by CPBDJV.
- The most recent Aerial Photography from NearMap was utilised to locate buildings on each parcel of land. The aerial imagery was utilised to digitise points near the centre of each building and generate X and Y coordinates. Where required, additional calculation points have been added to large buildings or buildings with mixed land uses. The X and Y co-ordinates are utilised to calculate the distance between each receiver and the rail alignment.
- Land zoning was taken from the Parramatta City Council Local Environmental Plan 2011
- The NearMap and Google Earth software were also utilised to determine the number of floor levels for each building (where required).
- Site inspections to verify receiver land uses and surveys of sensitive equipment commissioned by TfNSW were conducted by the Project team on 25 June 2019, 3 July 2019 and 10 July 2019.
- Additional land use information was sourced from the EIS, discussions with Local Councils, and other information available in the public domain.
- Reference has been made to the Parramatta River Grey –Headed Flying Fox Camp Management Plan (2008) prepared for Parramatta Park Trust and Sydney West Area Health Services in identifying the camp (Receiver ID 6249).

2.1 Receiver ID nomenclature and methodology

Consistent with the preliminary land use assessment undertaken as part of the EIS, the land use area considers buildings within an approximate distance of 300 m of the alignment on both sides.

This distance of 300 m is adequate to cover sensitive receivers potentially exposed to construction noise and vibration during standard construction hours and out of hours work (OOHW) periods. In relation to operational noise, potential noise and vibration impacts from PLR Stage 1 would be limited to buildings within 100 m of the alignment.

A Geographical Information System (GIS) database was developed to assist in capturing land use information. Within the database, each building is given a unique identification (ID) number. This allows other relevant information including its land use, geographical location, distance to the alignment and noise and vibration objectives to be assigned to each Building ID.

For each unique Building ID, the GIS database includes a Receiver ID which provides additional information in relation to its land use and location with respect to the alignment. The following nomenclature has been adopted for Receiver IDs within the database.

> Example Receiver ID **03095-206D-EDU**
> where
> **03095** represents the location of the centre of the building (track chainage), based on the down track
> **206** represents the distance from the centre of the building to the nearest track centreline (in metres). Distances are provided for information only and are not to be used for determining the separation distance to the alignment.
> **D** represents the direction of the nearest track (U for Up track and D for Down track)
> **EDU** represents the land use category (see below for receiver types)

The above nomenclature has been undertaken to generate a unique Receiver ID for each building, based on the coordinates of the geometric centre of the building. Table 2 provides a description of land use categories (receiver types) that have been identified within the project area.

Table 2 Land use categories

Land use code	Land use
ACU	Acoustic Spaces
ARC	Active Recreation
CHC	Child Care
CIN	Cinema
COM	Commercial (offices and retail outlets)
EDU	Educational Buildings and Schools
EQU	Sensitive Equipment
HTL	Hotel

Land use code	Land use
IND	Industrial
MED	Medical Buildings
PoW	Place of Worship
PRC	Passive Recreation
RES	Residential

A summary of the land use assessment is provided in Appendix B. Copies of the database (Microsoft Excel and ESRI Shape File formats) are provided as separate deliverables. Table 3 provides a summary of the information included in the database for each receiver.

Table 3 Land use database legend

Shapefile Abbreviation	Description
ID	Unique Receiver ID Receivers within 300 m of alignment. IDs start from 1001
ReceiverID	Receiver ID
X	Coordinate (X)
Y	Coordinate (Y)
Address	Address
LU Code	Land use code
LandUse	Land use description
Levels	Number of levels
Chainage	Chainage Main line format: **XXXXX** Stabling yard line format: **SYXXX**
NearTrack	Nearest track (U for Up, D for Down)
DistTrack	Distance from building centre to nearest track [m] (provided for information only, not to be used for determining separation distance)
NCA	Noise Catchment Area
NML-Day-SH	Noise Management Level - daytime (standard construction hours) [dB(A)] Standard construction hours from 7 am to 6 pm Monday to Friday and from 8 am to 6 pm Saturday
NML-Day-OH	Noise Management Level - daytime (out-of-hours works) [dB(A)] Out-of-hours day period from 8 am to 6 pm Sunday and Public holidays - OOHW P1
NML-Evenin	Noise Management Level - evening (out-of-hours works) [dB(A)] Evening period from 6 pm to 10 pm Monday to Sunday - OOHW P1
NML-Night	Noise Management Level - night (out-of-hours works) [dB(A)] Night-time period from 10 pm to 7 am Monday to Friday, from 10 pm to 8 am Saturday, Sunday and Public holidays - OOHW P2
CVOC-Day	Construction Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]
CVOC-Night	Construction Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]
CVDSL	Construction Vibration Damage Screening Level [Peak Component Particle Velocity, mm/s]
Heritage	Building description (heritage or non-heritage)

For vibration sensitive equipment the organisation, type of equipment and vibration criteria are provided in sperate fields. A reference to the ID of the building in which the equipment is located is provided in the "Building criteria" field.

The location of each receiver along the track alignment is shown graphically in APPENDIX A.

3 Noise and Vibration Objectives

Noise and vibration objectives are presented in Table 4. Residential NMLs are dependent on the Noise Catchment Area (NCA) of the residence which are presented in Table 5.

Table 4 Noise and Vibration Objectives

Land Use	Construction NML (external)				Construction Vibration Objective Human Comfort		NML Source	Vibration Objective Source
	Day (Standard Hours)	Day (out-of-hours) [dB(A)]	Evening [dB(A)]	Night [dB(A)]	Day 7am - 10pm [VDV, $m/s^{1.75}$]	Night 10pm – 7am) [VDV, $m/s^{1.75}$]		
Acoustic Spaces	50	50	50	50	0.8	0.8	Internal noise goal for theatres from AS2107, assuming a 20 dB outside-to-inside attenuation, as per EIS. The noise goals for critical acoustic spaces are to be established on an individual basis through community consultation, as per Condition E31.	DECC Assessing Vibration; a technical guideline "Adverse comment probable eVDV $m/s^{1.75}$"
Active Recreation	65	65	65	65	n/a	n/a	ICNG	
Child Care	50	50	50	50	0.4	0.8	AAAC - guideline for Child Care Centre Acoustic Assessment, assuming a conservative façade loss of 10 dB(A)	
Cinema	55	55	55	55	0.8	0.8	AS2107 'maximum', assuming a conservative façade loss of 20 dB(A)	
Commercial (offices and retail outlets)	70	70	70	70	0.8	0.8	ICNG	
Educational Buildings and Schools	55	55	55	55	0.8	0.8	ICNG, assuming a conservative façade loss of 10 dB(A)	
Hotel	60	60	60	60	0.4	0.26	AS2107 'maximum', assuming a conservative façade loss of 20 dB(A)	
Industrial	75	75	75	75	1.6	1.6	ICNG	
Medical Buildings	65	65	65	65	0.8	0.8	ICNG, assuming a conservative façade loss of 20 dB(A)	
Place of Worship	55	55	55	55	0.8	0.8	ICNG, assuming a conservative façade loss of 10 dB(A)	
Passive Recreation	60	60	60	60	n/a	n/a	ICNG	
Residential	RBL +10[1]	RBL +5[1]	RBL +5[1]	RBL +5[1]	0.4	0.26	ICNG	

Note: 1. Refer Table 5

Table 5 Residential NMLs

NCA	Existing Noise Levels, dB(A)			Residential NMLs based on ICNG (external)			
	RBL Day	RBL Evening	RBL Night	Day[1] (Standard Hours)	Day[2] (out-of-hours)	Evening[3]	Night[4]
NCA01	49	47	37	59	54	52	42
NCA02	51	48	43	61	56	53	48
NCA03	51	48	43	61	56	53	48
NCA04	49	48	47	59	54	53	52
NCA05	49	48	47	59	54	53	52
NCA06	42	41	44	52	47	46	46
NCA07	51	50	39	61	56	55	44
NCA08	59	57	46	69	64	62	51
NCA09	58	53	43	68	63	58	48
NCA10	43	40	34	53	48	45	39
NCA11	43	40	34	53	48	45	39
NCA12	51	48	41	61	56	53	46
NCA13	51	48	41	61	56	53	46
NCA14	45	43	38	55	50	48	43
NCA15	45	43	37	55	50	48	42
NCA16	46	42	34	56	51	47	39
NCA17	43	40	31	53	48	45	36
NCA18	42	40	32	52	47	45	37
NCA19	52	47	39	62	57	52	44

Note: 1. Standard construction hours from 7 am to 6 pm Monday to Friday and from 8 am to 6 pm Saturday

2. Out-of-hours day period from 8 am to 6 pm Sunday and Public holidays - OOHW P1

3. Evening period from 6 pm to 10 pm Monday to Sunday - OOHW P1

4. Night-time period from 10 pm to 7 am Monday to Friday, from 10 pm am to 8 am Saturday, Sunday and Public holidays - OOHW P2

Construction Vibration Damage Screening Level

Vibration management levels to limit the potential for structural damage to buildings are outlined in Section A.3.3 and A.3.4 of the Transport for NSW Construction Noise and Vibration Strategy (CNVS). A conservative vibration damage screening level (peak component particle velocity) per receiver type is detailed in the CNVS and outlined below:

- Unreinforced or light framed structures: 7.5 mm/s (non-heritage buildings)
- Heritage structures (structurally unsound): 2.5 mm/s

Construction Vibration Damage Screening Level

The vibration criterion (VC) goals for critical spaces with vibration sensitive equipment are those based on the curves contained in the *ANC Guidelines – Measurement and Assessment of Ground-borne Noise & Vibration, Association of Noise Consultants* (2012). The VC curves are summarised in Table 6 and illustrated in Figure 2.

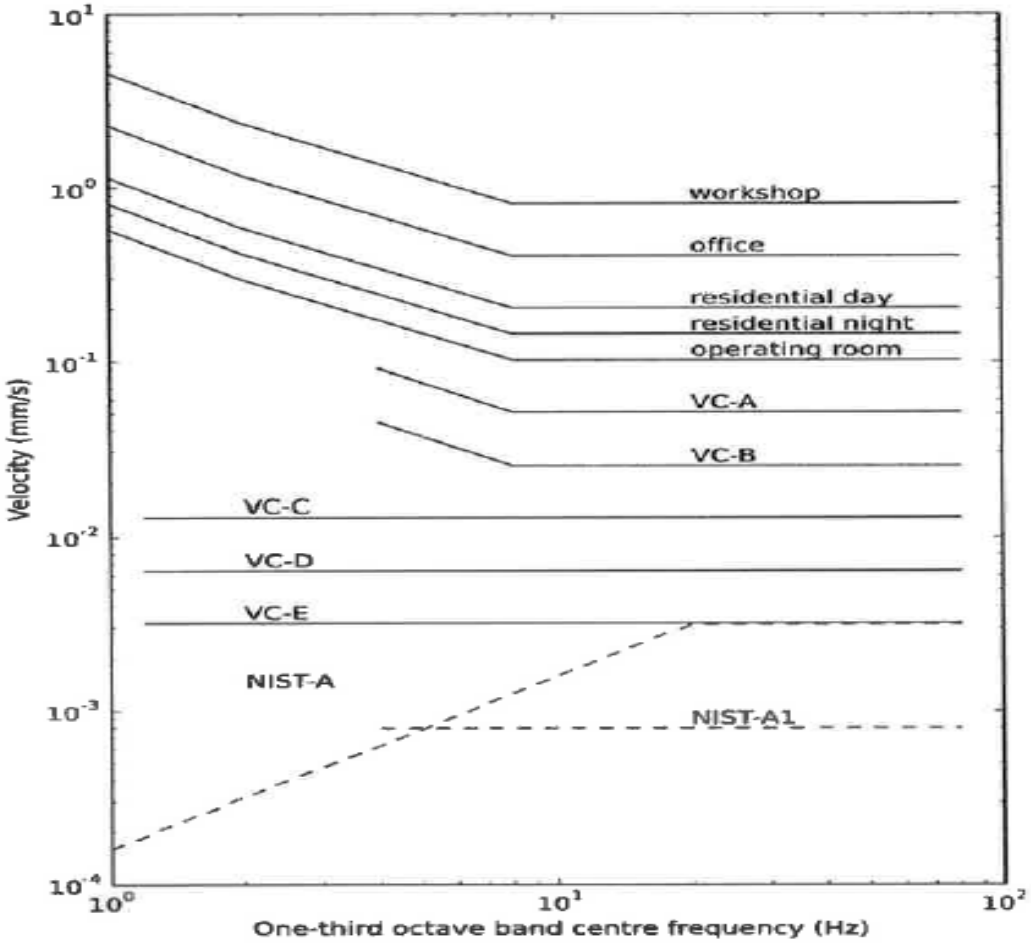
Table 6 ASHRAE criteria for sensitive equipment (reproduced from ANC Guidelines, 2012)

Equipment requirements	Curve[1] (rms velocity)
Adequate for computer equipment, probe test equipment, and microscopes less than 40 x magnification	0.203 mm/s residential night
Bench microscopes up to 100 x magnification; laboratory robots	0.102 mm/s operating room
Bench microscopes up to 400 x magnification; optical and other precision balances; coordinate measuring machines; metrology laboratories; optical comparators; microelectronics manufacturing equipment; proximity and projection aligners, etc.	0.051 mm/s VC-A
Microsurgery, eye surgery, neurosurgery; bench microscopes at magnification greater than 400 x; optical equipment on isolation tables; microelectronics manufacturing equipment, such as inspection and lithography equipment (including steppers) to 3 mm line widths.[2]	0.025 mm/s VC-B
Electron microscopes up to 30, 000 x magnification; microtomes; magnetic resonance imagers; microelectronics manufacturing equipment, such as lithography and inspection equipment to 1 mm detail size.[2]	0.013 mm/s VC-C
Electron microscopes at magnification greater than 30, 000 x; mass spectrometers; cell implant equipment; microelectronics manufacturing equipment, such as aligners, steppers and other critical equipment for photolithography with line widths of 1/2 pm; includes electron beam systems.[2]	0.0064 mm/s VC-D
Un-isolated laser and optical research systems; microelectronics manufacturing equipment, such as aligners, steppers, and other critical equipment for photolithography with line widths of 1/4 pm; includes electron beam systems.[2]	0.0032 mm/s VC-E

Note 1: See Figure 2 for corresponding curves

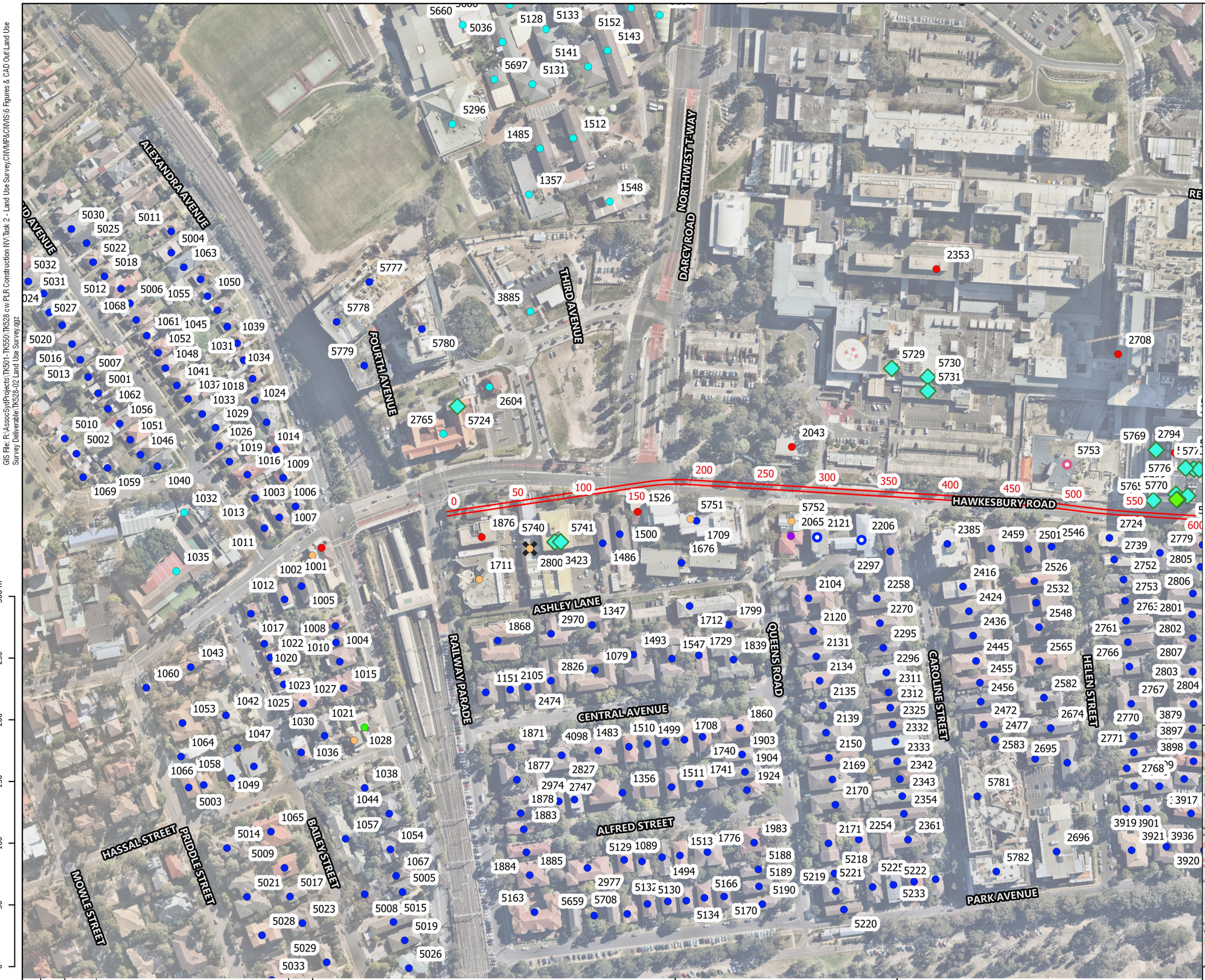
Note 2: Classes of microelectronics manufacturing equipment

Figure 2 ASHRAE and NIST criteria (from ANC Guidelines, 2012)



APPENDIX A Track Alignment and Land Use Drawings

Plot Date: 30/10/19 - 11:39
GIS File: R:\Assoc\Syd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

Status:	Sheet 1 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\Assocsyd\Projects\TK501-TK550\TK528 c-w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz

REDBANK ROAD
BALFOUR STREET
BRIDGE ROAD
PARINGA AVENUE
JACARANDA DRIVE
HANSWORTH STREET
JESSIE STREET
HELEN STREET
PARK AVENUE
GARDENS WAY
GREENUP DRIVE

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3
NOTE: Do not scale from this drawing.

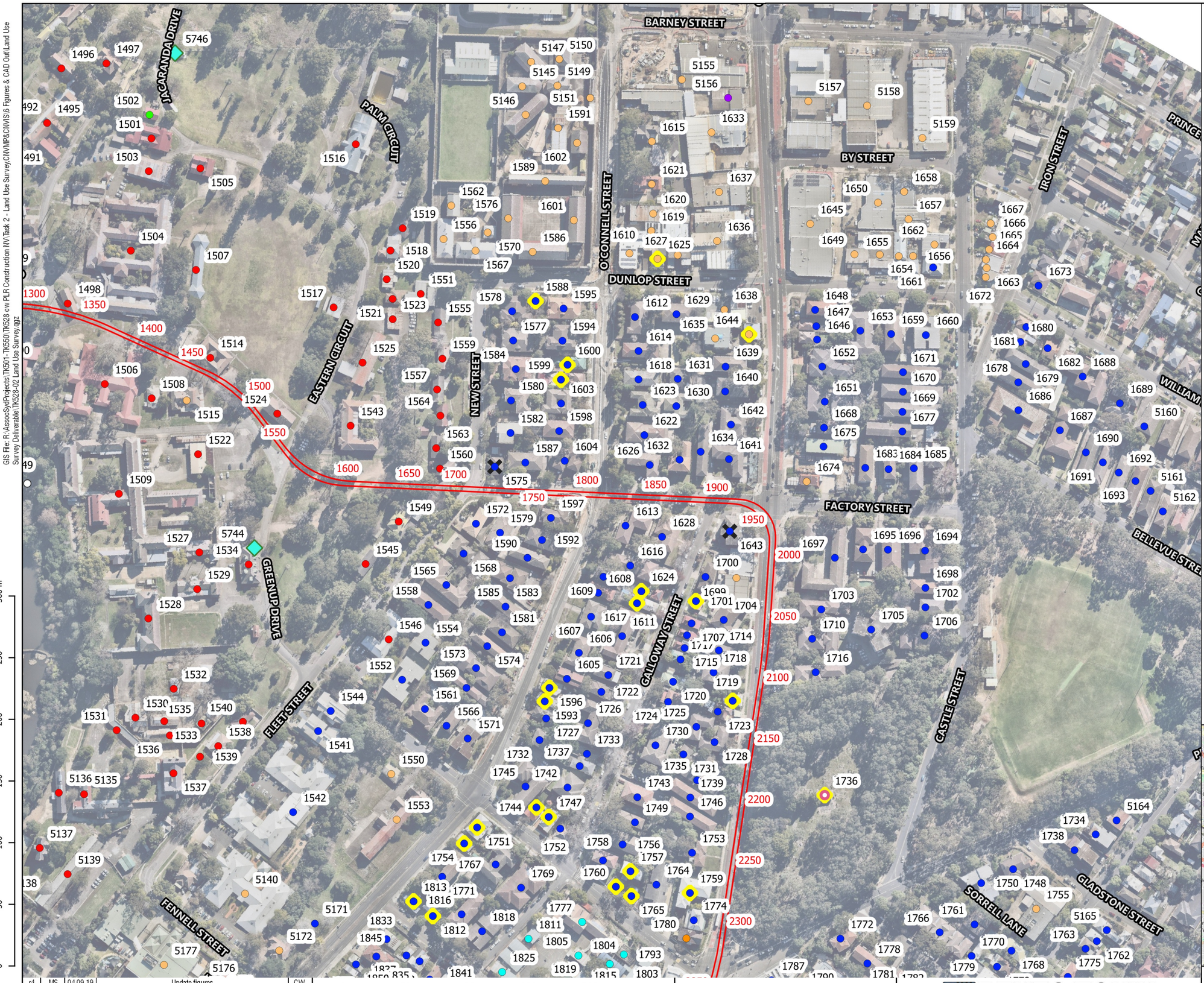
CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL
Land Use Survey

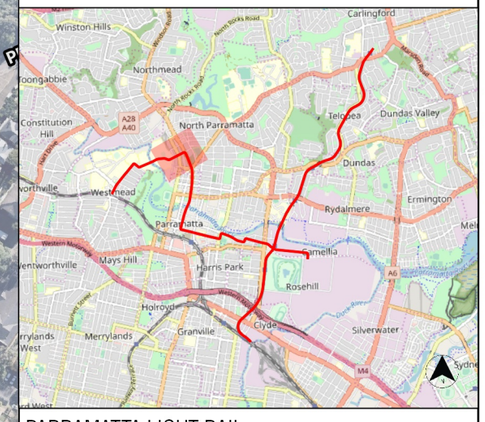
Status:
Sheet 2 of 18
Drawing No. 1
Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\Assoc\Syd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

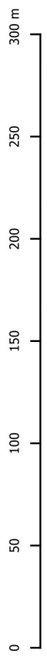
Status:

Sheet 3 of 18

Drawing No. 1

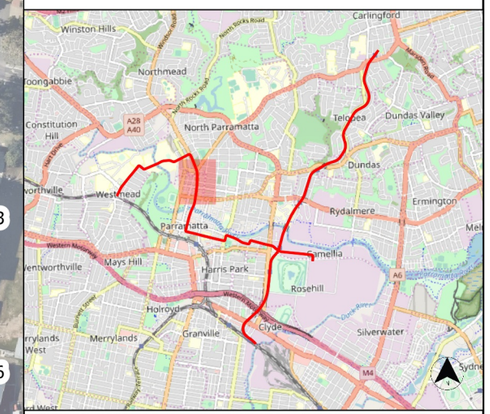
Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c\w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNVS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

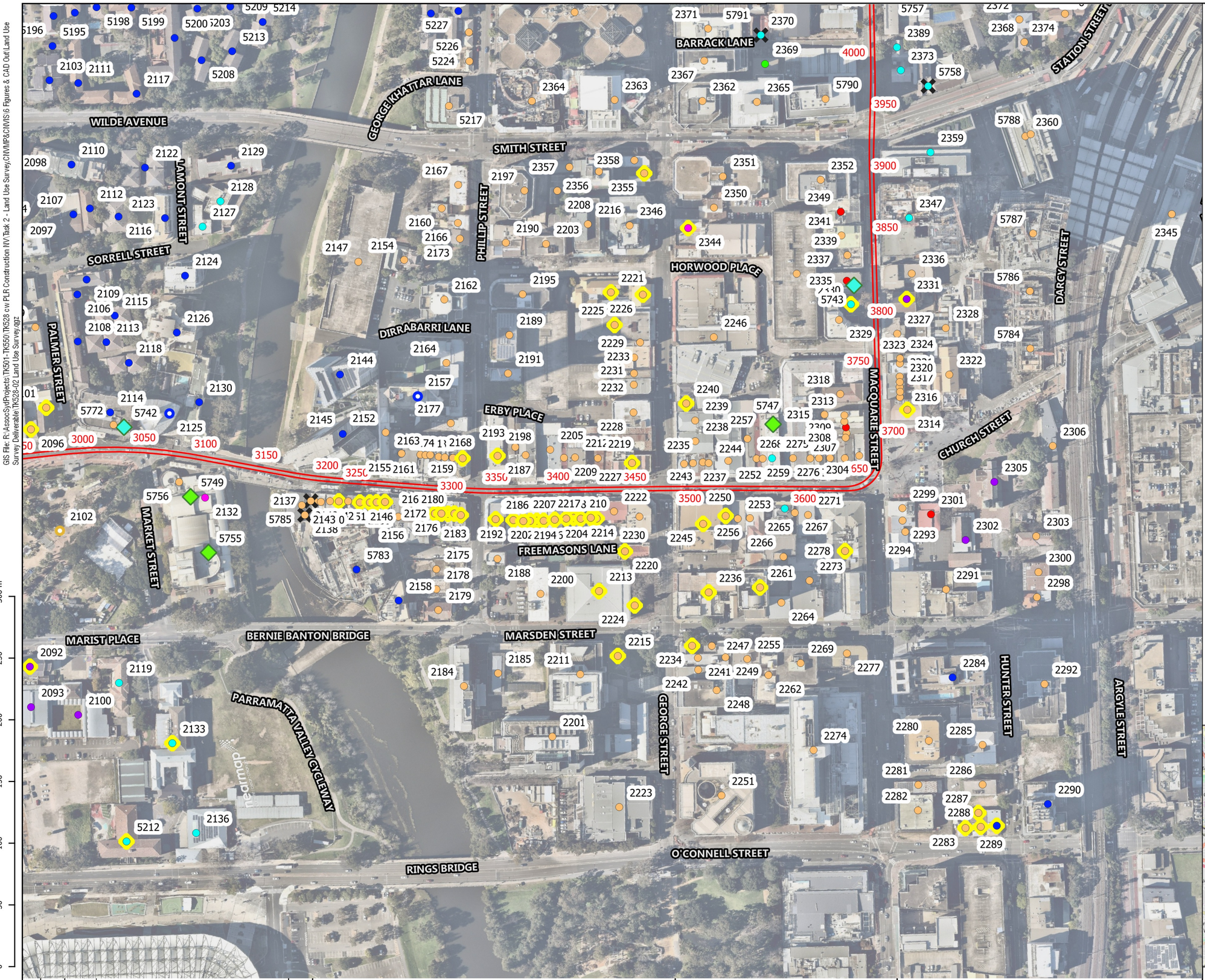
RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

Status:	Sheet 4 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c+w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS | Downer Relationships creating success

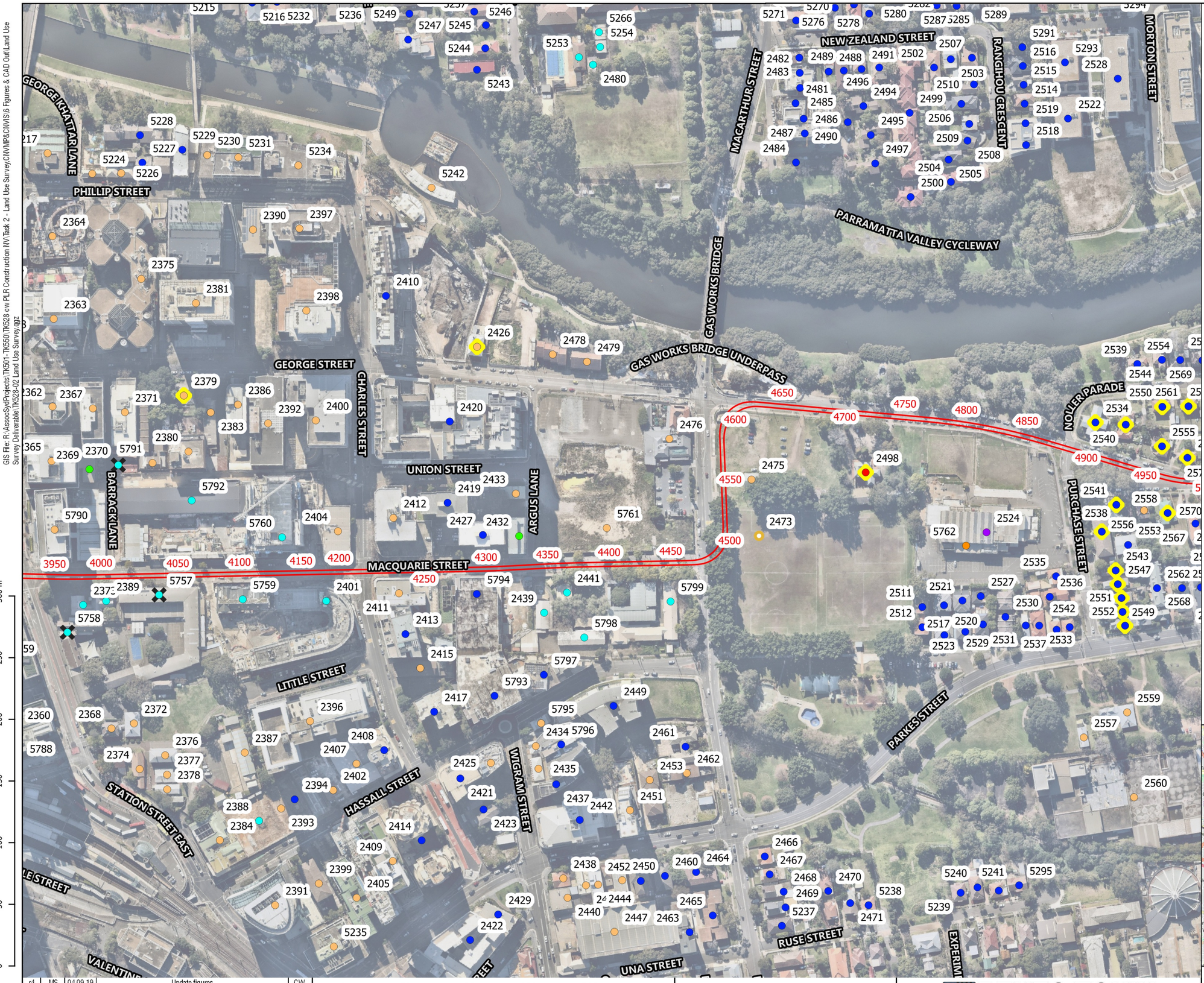
RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

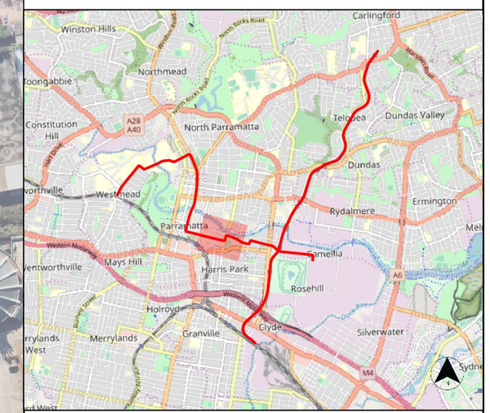
PARRAMATTA LIGHT RAIL

Land Use Survey

Status:	Sheet 5 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz





LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

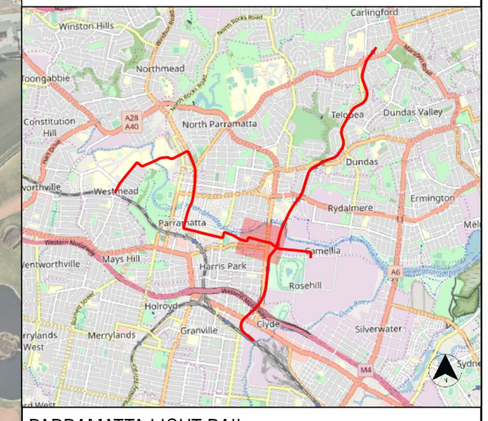
Land Use Survey

Status:	Sheet 6 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\Assoc\Syd\Projects\TK501-TK550\TK528 c-w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNVIS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

Status:

Sheet 7 of 18

Drawing No. 1

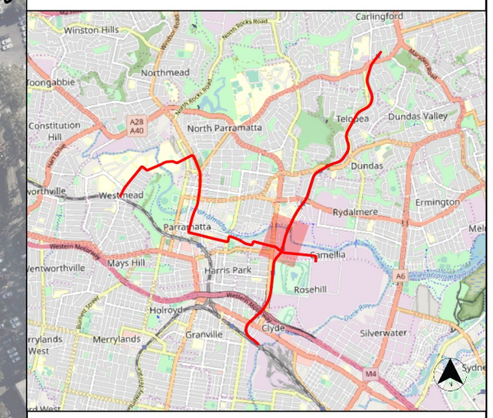
Rev. No. 0

Plot Date: 30/10/19 - 11:40
GIS File: R:\Assoc\Syd\Projects\TK501-TK550\TK528 c\w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz

300 m
250
200
150
100
50
0

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

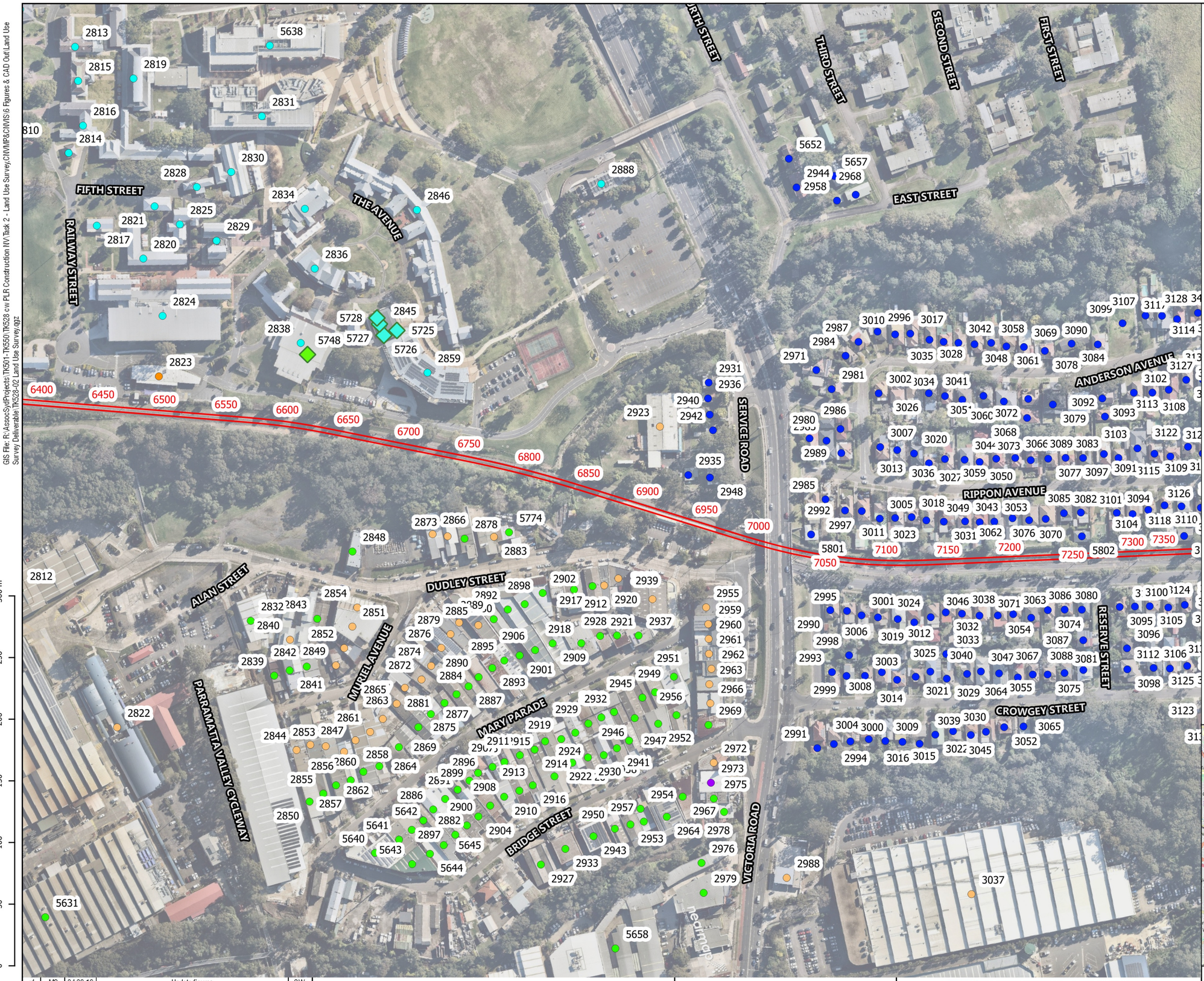
RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

Status:	Sheet 8 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:41
GIS File: R:\Assocsyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3
NOTE: Do not scale from this drawing.

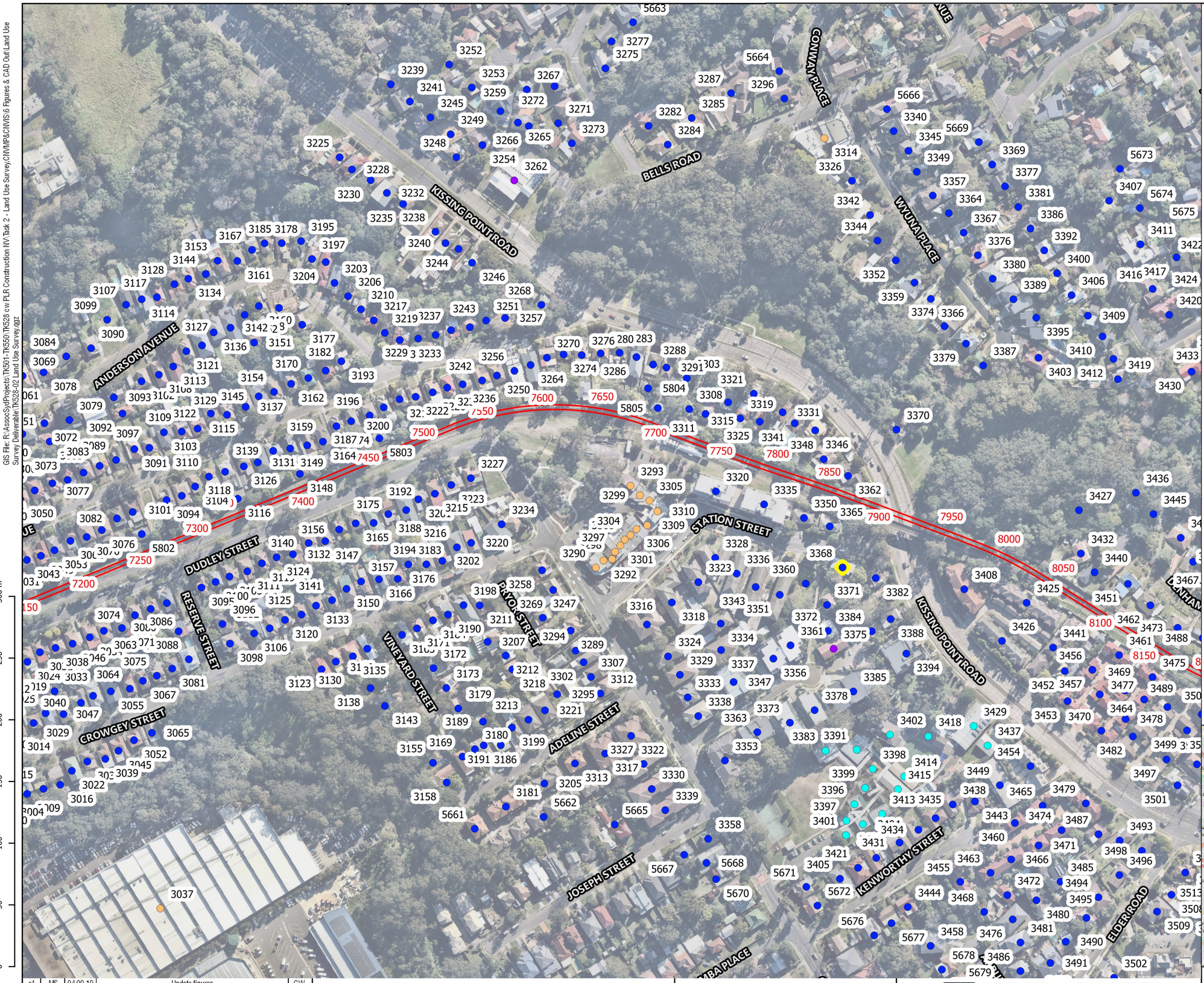
CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL
Land Use Survey

Status:
Sheet 9 of 18
Drawing No. 1
Rev. No. 0

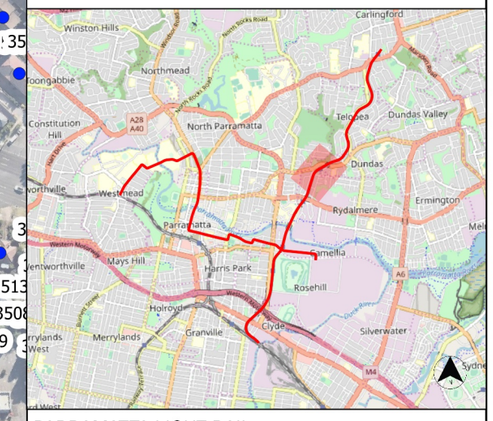
Plot Date: 30/10/19 - 11:41
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz



0 50 100 150 200 300 m

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3
NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

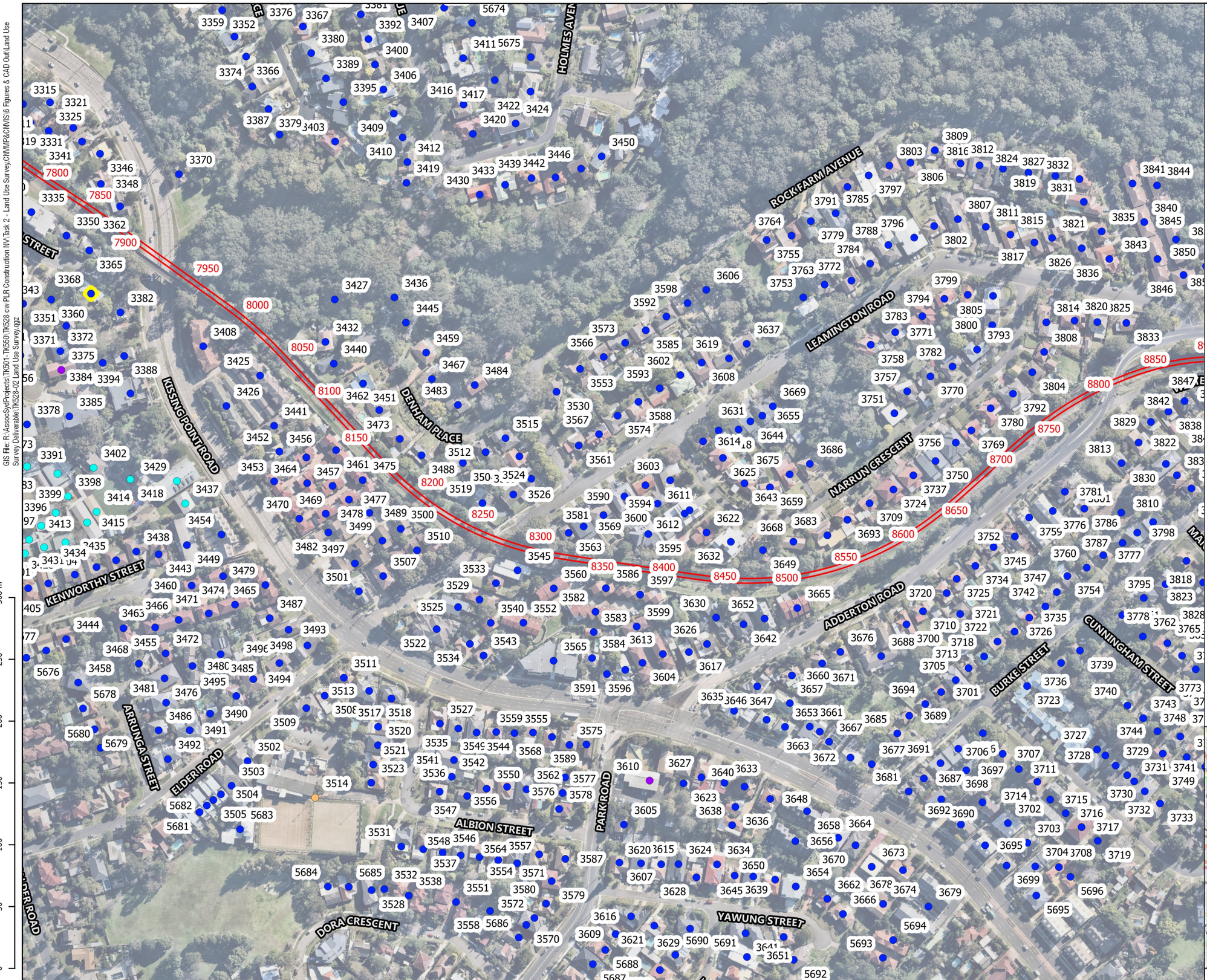
RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

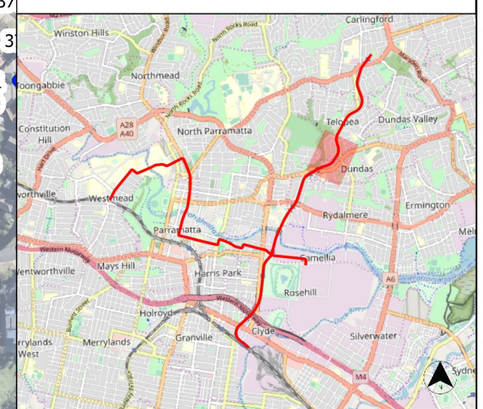
Status:	Sheet 10 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:41
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c+w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve

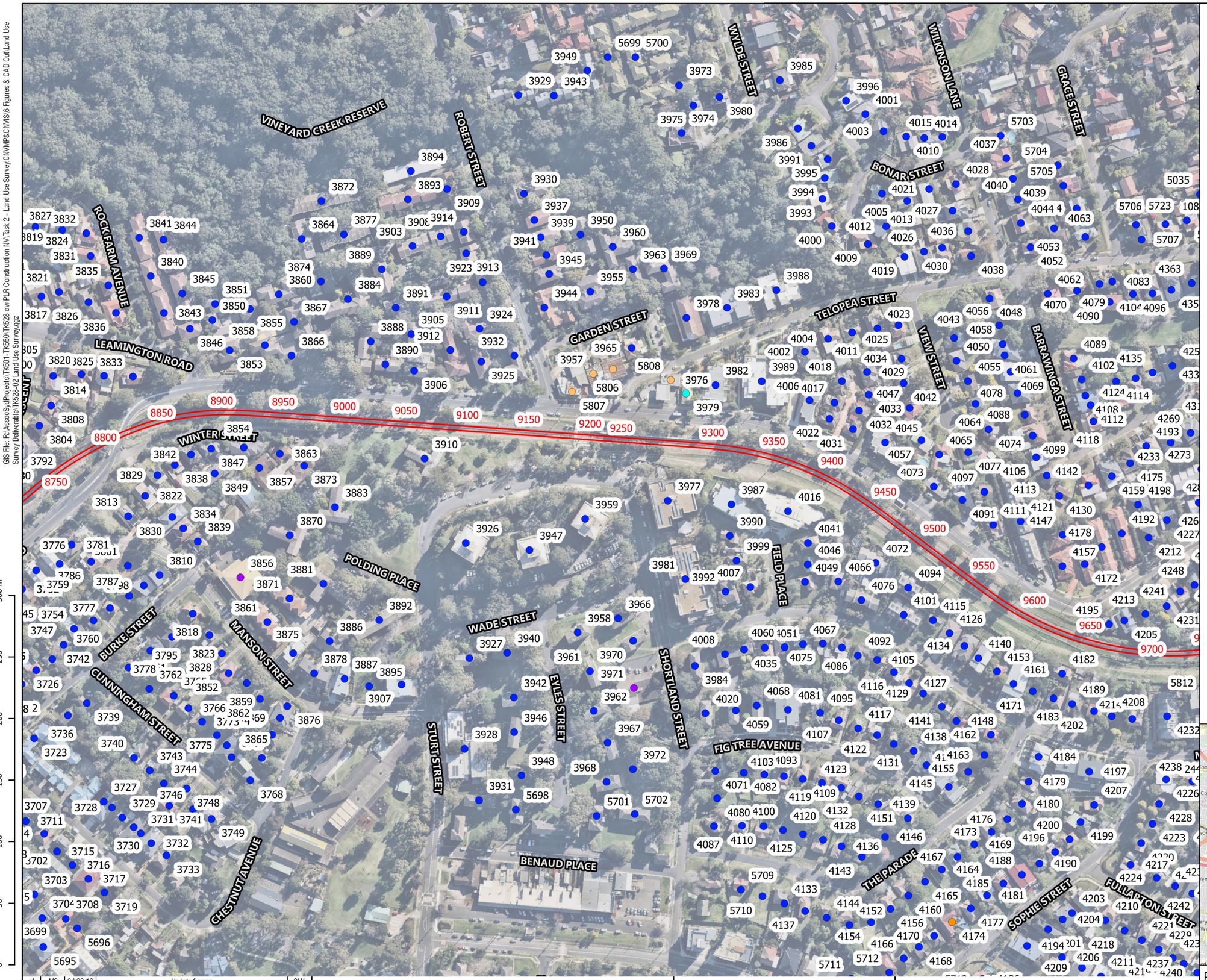
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

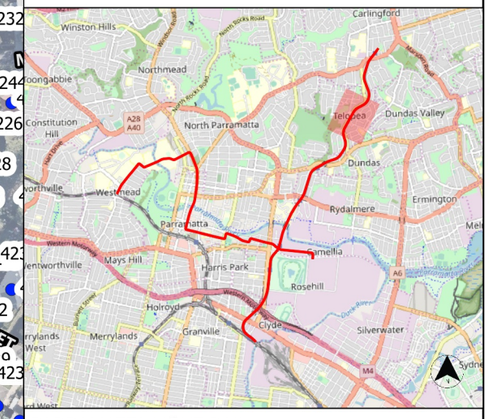
Status:	Sheet 11 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:41
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000
FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS
Downer
Relationships creating success

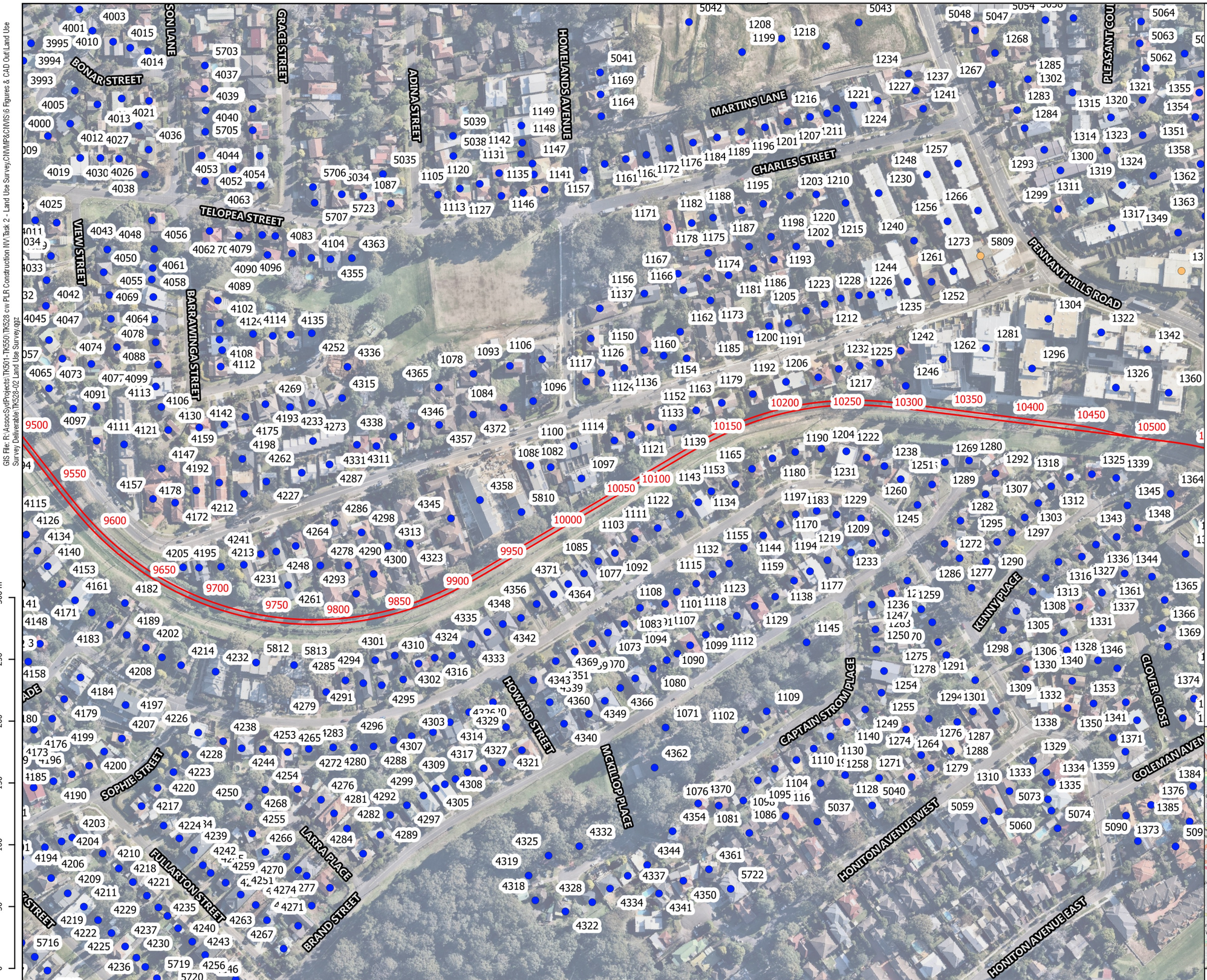
RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

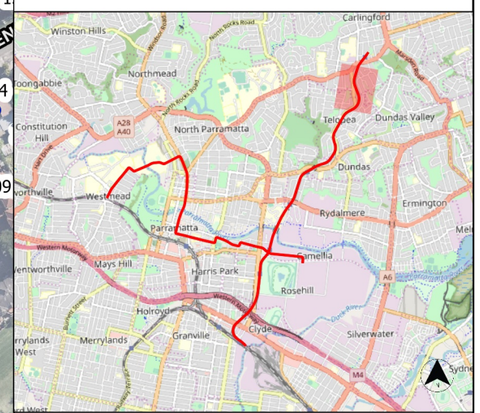
Status:	Sheet 12 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:41
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c+w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNVS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qpz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

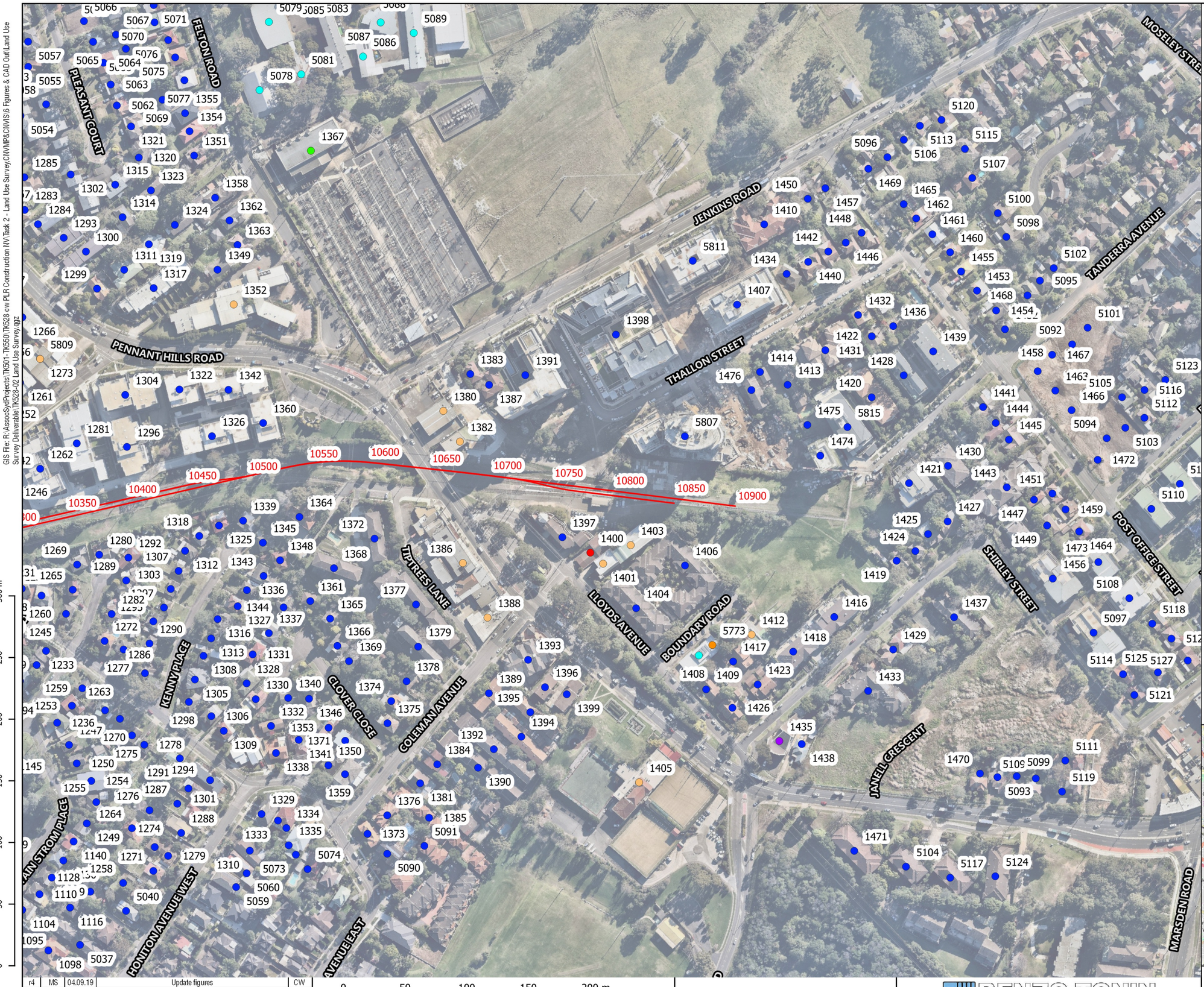
Status:

Sheet 13 of 18

Drawing No. 1

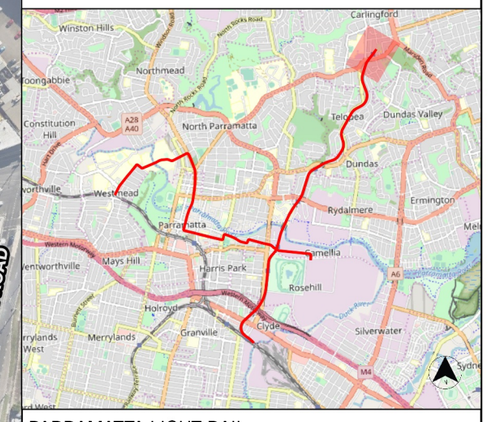
Rev. No. 0

Plot Date: 30/10/19 - 11:41
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

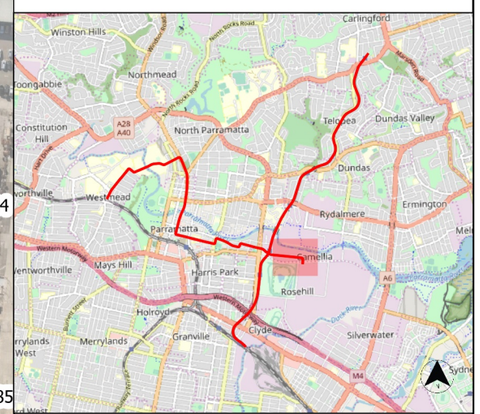
Status:	Sheet 14 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:42
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c\w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey\ Deliverable\TK528-02 Land Use Survey.qgz

0 50 100 150 200 300 m

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

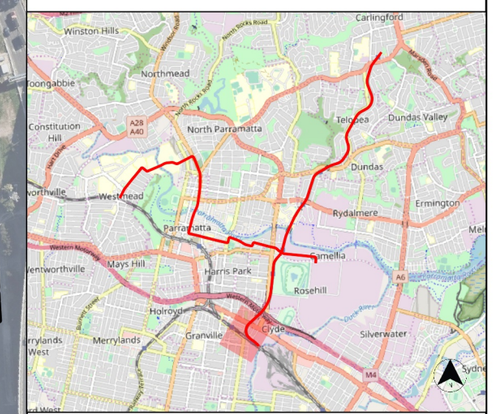
Land Use Survey

Status:	Sheet 15 of 18
Drawing No. 1	Rev. No. 0

Plot Date: 30/10/19 - 11:42
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c+w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qgz

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56 | NOTE: Do not scale from this drawing.

0 50 100 150 200 m
1:3000
FULL SIZE A3

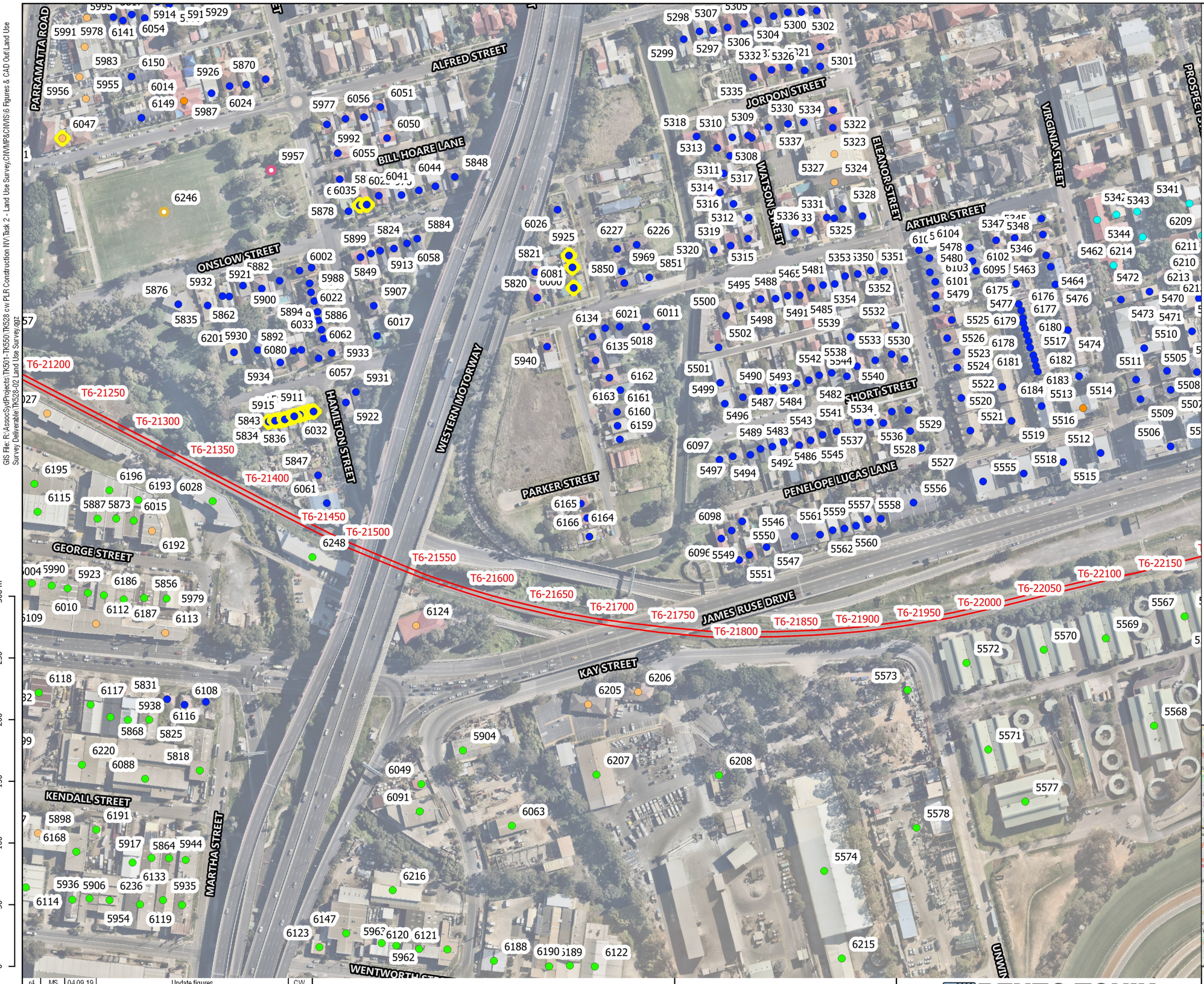
CPB CONTRACTORS | Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL
Land Use Survey

Status:
Sheet 16 of 18
Drawing No. 1
Rev. No. 0

Plot Date: 30/10/19 - 11:42
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.dgz



LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable

REV	BY	DATE	DESCRIPTION	APPD.
r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m
1:3000
FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

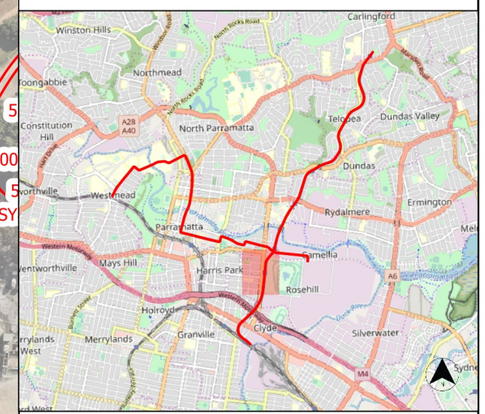
Land Use Survey

Status:
Sheet 17 of 18
Drawing No. 1
Rev. No. 0

Plot Date: 30/10/19 - 11:42
GIS File: R:\AssocSyd\Projects\TK501-TK550\TK528 c:w PLR Construction NV\Task 2 - Land Use Survey\CNVMP&CNMS\6 Figures & CAD Out\Land Use Survey Deliverable\TK528-02 Land Use Survey.qpz

LEGEND

- Track Alignment
- Active Recreation
- Childcare
- Cinema
- Commercial
- Educational
- Hotel
- Industrial
- Medical
- Place of Worship
- Passive Recreation
- Residential
- Sensitive Equipment
- Acoustic Space
- Heritage
- To be aquired
- Not Assessable



r4	MS	04.09.19	Update figures	CW
r3	TB	04.09.19	Update receivers list. Extended to Clyde.	CW
r2	RV	25.07.19	Update receivers list	CW
r1	RV	10.07.19	Update figures	CW
r0	TB	14.03.19	Prepare figures	CW
REV	BY	DATE	DESCRIPTION	APPD.

A3 Original | Co-ordinate System: MGA Zone 56

0 50 100 150 200 m

1:3000

FULL SIZE A3

NOTE: Do not scale from this drawing.

CPB CONTRACTORS Downer Relationships creating success

RENZO TONIN & ASSOCIATES
inspired to achieve
SYDNEY OFFICE
1/418A Elizabeth St., SURRY HILLS, NSW 2000
Ph (02) 8218 0500 Fax (02) 8218 0501

PARRAMATTA LIGHT RAIL

Land Use Survey

Status:	Sheet 18 of 18
Drawing No. 1	Rev. No. 0

APPENDIX B Land Use Database

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1001	00000-106U-MED	313681.0	6257228.9	143 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	1	00000	U	106	NCA01	65	65	65	65	0.8	0.8	7.5					
1002	00000-114U-COM	313681.8	6257219.3	143 HAWKESBURY ROAD, WESTMEAD 2145	COM	Commercial	1	00000	U	114	NCA01	70	70	70	70	0.8	0.8	7.5					
1003	00000-123D-RES	313641.4	6257230.8	156 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	1	00000	D	123	NCA01	59	54	52	42	0.4	0.26	7.5					
1004	00000-127U-RES	313739.3	6257201.8	27 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	U	127	NCA01	59	54	52	42	0.4	0.26	7.5					
1005	00000-132U-RES	313697.1	6257197.7	139 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	2	00000	U	132	NCA01	59	54	52	42	0.4	0.26	7.5					
1006	00000-136D-RES	313616.6	6257235.9	30 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	136	NCA01	59	54	52	42	0.4	0.26	7.5					
1007	00000-136D-RES	313641.1	6257214.9	154 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	D	136	NCA01	59	54	52	42	0.4	0.26	7.5					
1008	00000-137U-RES	313750.6	6257194.4	26 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	U	137	NCA01	59	54	52	42	0.4	0.26	7.5					
1009	00000-147D-RES	313594.7	6257244.3	31 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	147	NCA01	59	54	52	42	0.4	0.26	7.5					
1010	00000-147U-RES	313765.0	6257188.0	24 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	2	00000	U	147	NCA01	59	54	52	42	0.4	0.26	7.5					
1011	00000-149D-RES	313641.3	6257200.1	152 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	D	149	NCA01	59	54	52	42	0.4	0.26	7.5					
1012	00000-149U-RES	313698.0	6257180.3	135 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	U	149	NCA01	59	54	52	42	0.4	0.26	7.5					
1013	00000-156D-RES	313617.0	6257207.8	3 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	156	NCA01	59	54	52	42	0.4	0.26	7.5					
1014	00000-163D-RES	313572.0	6257250.7	32-32A ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	2	00000	D	163	NCA01	59	54	52	42	0.4	0.26	7.5					
1015	00000-163U-RES	313784.5	6257178.2	20-22 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	2	00000	U	163	NCA01	59	54	52	42	0.4	0.26	7.5					
1016	00000-165D-RES	313597.9	6257213.6	5 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	165	NCA01	59	54	52	42	0.4	0.26	7.5					
1017	00000-178U-RES	313691.9	6257151.3	131 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	U	178	NCA01	59	54	52	42	0.4	0.26	7.5					
1018	00000-180D-RES	313551.9	6257253.0	33 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	180	NCA01	59	54	52	42	0.4	0.26	7.5					
1019	00000-181D-RES	313580.9	6257207.7	7 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	181	NCA01	59	54	52	42	0.4	0.26	7.5					
1020	00000-181U-RES	313718.0	6257146.2	37 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	181	NCA01	59	54	52	42	0.4	0.26	7.5					
1021	00000-184U-IND	313820.1	6257173.9	3 HASSALL STREET, WESTMEAD 2145	IND	Industrial		00000	U	184	NCA01	75	75	75	75	1.6	1.6	7.5					
1022	00000-184U-RES	313729.9	6257143.9	35 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	184	NCA01	59	54	52	42	0.4	0.26	7.5					
1023	00000-187U-RES	313742.4	6257142.2	33 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	187	NCA01	59	54	52	42	0.4	0.26	7.5					
1024	00000-191D-RES	313536.7	6257261.7	33A ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	191	NCA01	59	54	52	42	0.4	0.26	7.5					
1025	00000-191U-RES	313754.1	6257140.3	31 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	191	NCA01	59	54	52	42	0.4	0.26	7.5					
1026	00000-192D-RES	313565.8	6257208.2	9 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	192	NCA01	59	54	52	42	0.4	0.26	7.5					
1027	00000-192U-RES	313775.6	6257144.4	27-29 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	192	NCA01	59	54	52	42	0.4	0.26	7.5					
1028	00000-197U-COM	313824.0	6257161.1	9-11 HASSALL STREET, WESTMEAD 2145	COM	Commercial	2	00000	U	197	NCA01	70	70	70	70	0.8	0.8	7.5					
1029	00000-200D-RES	313551.9	6257214.3	11 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	200	NCA01	59	54	52	42	0.4	0.26	7.5					
1030	00000-204U-RES	313807.1	6257143.5	15-19 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	204	NCA01	59	54	52	42	0.4	0.26	7.5					
1031	00000-206D-RES	313520.2	6257264.4	34 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	206	NCA01	59	54	52	42	0.4	0.26	7.5					
1032	00000-213D-EDU	313593.7	6257154.1	150 HAWKESBURY ROAD, WESTMEAD 2145	EDU	Educational		00000	D	213	NCA01	55	55	55	55	0.8	0.8	7.5					
1033	00000-214D-RES	313536.7	6257211.8	13 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	214	NCA01	59	54	52	42	0.4	0.26	7.5					
1034	00000-218D-RES	313505.9	6257267.9	35 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	218	NCA01	59	54	52	42	0.4	0.26	7.5					
1035	00000-225U-EDU	313628.9	6257121.4	150 HAWKESBURY ROAD, WESTMEAD 2145	EDU	Educational		00000	U	225	NCA01	55	55	55	55	0.8	0.8	7.5					
1036	00000-226U-RES	313807.3	6257120.2	21 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	226	NCA01	59	54	52	42	0.4	0.26	7.5					
1037	00000-229D-RES	313520.0	6257209.4	15 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	229	NCA01	59	54	52	42	0.4	0.26	7.5					
1038	00000-231U-RES	313860.4	6257145.9	12 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	231	NCA01	59	54	52	42	0.4	0.26	7.5					
1039	00000-233D-RES	313490.3	6257269.1	36 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	233	NCA01	59	54	52	42	0.4	0.26	7.5					
1040	00000-238D-RES	313550.6	6257157.7	10 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	238	NCA01	59	54	52	42	0.4	0.26	7.5					
1041	00000-242D-RES	313505.9	6257208.2	17 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	242	NCA01	59	54	52	42	0.4	0.26	7.5					
1042	00000-242U-RES	313747.7	6257087.5	26-30 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	242	NCA01	59	54	52	42	0.4	0.26	7.5					
1043	00000-242U-RES	313699.3	6257086.5	123-129 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	U	242	NCA01	59	54	52	42	0.4	0.26	7.5					
1044	00000-246U-RES	313888.9	6257150.2	8-12 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	246	NCA01	59	54	52	42	0.4	0.26	7.5					
1045	00000-248D-RES	313474.8	6257270.2	37 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	248	NCA01	59	54	52	42	0.4	0.26	7.5					
1046	00000-253D-RES	313535.0	6257151.9	12 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	253	NCA01	59	54	52	42	0.4	0.26	7.5					
1047	00000-254U-RES	313774.8	6257080.0	27 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	254	NCA01	59	54	52	42	0.4	0.26	7.5					
1048	00000-256D-RES	313489.0	6257208.7	19 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	256	NCA01	59	54	52	42	0.4	0.26	7.5					
1049	00000-257U-RES	313794.6	6257082.3	23-25 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	257	NCA01	59	54	52	42	0.4	0.26	7.5					
1050	00000-261D-RES	313460.9	6257270.1	38 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	261	NCA01	59	54	52	42	0.4	0.26	7.5					
1051	00000-263D-RES	313520.3	6257152.1	14 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	263	NCA01	59	54	52	42	0.4	0.26	7.5					
1052	00000-267D-RES	313475.4	6257210.9	21 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	267	NCA01	59	54	52	42	0.4	0.26	7.5					
1053	00000-273U-RES	313732.6	6257055.1	23-25 PRIDDLE STREET, WESTMEAD 2145	RES	Residential		00000	U	273	NCA01	59	54	52	42	0.4	0.26	7.5					
1054	00000-274U-RES	313913.2	6257134.3	8-12 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	274	NCA01	59	54	52	42	0.4	0.26	7.5					
1055	00000-275D-RES	313446.5	6257273.2	39 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	275	NCA01	59	54	52	42	0.4	0.26	7.5					
1056	00000-275D-RES	313504.7	6257152.5	16 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	275	NCA01	59	54	52	42	0.4	0.26	7.5					
1057	00000-275U-RES	313885.3	6257109.5	13-17 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	275	NCA01	59	54	52	42	0.4	0.26	7.5					
1058	00000-276U-RES	313791.9	6257061.8	27 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	276	NCA01	59	54	52	42	0.4	0.26	7.5					
1059	00000-278D-RES	313528.4	6257123.8	1A MOREE AVENUE, WESTMEAD 2145	RES	Residential		00000	D	278	NCA01	59	54	52	42	0.4	0.26	7.5					
1060	00000-281U-RES	313692.3	6257047.4	123A HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00000	U	281	NCA01	59	54	52	42	0.4	0.26	7.5					
1061	00000-282D-RES	313458.8	6257211.4	23A GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	282	NCA01	59	54	52	42	0.4	0.26	7.5					
1062	00000-287D-RES	313489.4	6257151.6	18 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	287	NCA01	59	54	52	42	0.4	0.26	7.5					
1063	00000-291D-RES	313430.6	6257267.8	40 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	291	NCA01	59	54	52	42	0.4	0.26	7.5					
1064	00000-291U-RES	313754.2	6257038.5	21 PRIDDLE STREET, WESTMEAD 2145	RES	Residential		00000	U	291	NCA01	59	54	52	42	0.4	0.26	7.5					
1065	00000-293U-RES	313845.8	6257063.3	24 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	293	NCA01	59	54	52	42	0.4	0.26	7.5					
1066	00000-294U-RES	313783.6	6257040.4	35 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	294	NCA01	59	54	52	42	0.4	0.26	7.5					
1067	00000-295U-RES	313933.3	6257125.9	7 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	295	NCA01	59	54	52	42	0.4	0.26	7.5					
1068	00000-296D-RES	313443.5	6257211.7	25 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	296	NCA01	59	54	52	42	0.4	0.26	7.5					
1069	00000-296D-RES	313523.3	6257103.4	1 MOREE AVENUE, WESTMEAD 2145	RES	Residential		00000	D	296	NCA01	59	54	52	42	0.4	0.26	7.5					
1070	10000-135U-RES	319142.4	6259612.0	41 BRAND STREET, CARLINGFORD 2118	RES	Residential		10000	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
1071	10000-182U-RES	319185.8	6259629.3	36 BRAND STREET, CARLINGFORD 2118	RES	Residential		10000	U	182	NCA18	52	47	45	37	0.4	0.26	7.5					
1073	10000-092U-RES	319102.2	6259596.7	70 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10000	U	92	NCA18	52	47	45	37	0.4	0.26	7.5					
1074	01000-120U-RES	314415.9	6257793.2	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01000	U	120	NCA05	59	54	53	52	0.4	0.26	7.5					
1075	01000-037U-RES	314384.4	6257870.0	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01000	U	37	NCA05	59	54	53	52	0.4	0.26	7.5					
1076	10005-258U-RES	319255.5	6259660.7	26 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10005	U	258	NCA18	52	47	45	37	0.4	0.26	7.5					
1077	10005-041U-RES	319051.6	6259585.9	79 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10005	U	41	NCA18	52	47	45	37	0.4	0.26	7.5					
1078	10010-140D-RES	318877.0	6259525.8	131-133 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10010	D	140	NCA18	52	47	45	37	0.4	0.26	7.5					
1079	00100-141U-RES	313889.3	6257353.5	14 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00100	U	141	NCA03	61	56	53	48	0.4	0.26	7.5					
1080	10015-135U-RES	319137.2	6259627.5	43 BRAND STREET, CARLINGFORD 2118	RES	Residential		10015	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
1081	10015-289U-RES	319281.6	6259681.2	66-68 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10015	U	289	NCA18	52	47	45	37	0.4	0.26	7.5					
1082	10015-053D-RES	318958.2	6259558.3	74 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10015	D	53	NCA18	52	47	45	37	0.4	0.26	7.5					
1083	10015-092U-RES	319097.5	6259611.1	72 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10015	U	92	NCA18	52	47	45	37	0.4	0.26	7.5					
1084	10020-104D-RES	318908.2	6259545.2	135 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10020	D	104	NCA18	52	47	45	37	0.4	0.26	7.5					
1085	10020-038U-RES	319043.9	6259599.0	81 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	10020	U	38	NCA18	52	47	45	37	0.4	0.26	7.5					
1086	10025-264U-RES	319254.9	6259681.0	24 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10025	U	264	NCA18	52	47	45	37	0.4	0.26	7.5					
1087	10025-293D-RES	318729.8	6259483.9	41 TELOPEA STREET, TELOPEA 2117	RES	Residential		10025	D	293	NCA18	52	47	45	37	0.4	0.26	7.5					
1088	10025-043D-RES	318962.3	6259574.3	76 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10025	D	43	NCA18	52	47	45	37	0.4	0.26	7.5					
1089	00100-297U-RES	314028.8	6257284.7	7 ALFRED STREET, WESTMEAD 2145	RES	Residential		00100	U	297	NCA03	61	56	53	48	0.4	0.26	7.5					
1090	10030-135U-RES	319132.3	6259639.7	45 BRAND STREET, CARLINGFORD 2118	RES	Residential		10030	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
1091	10030-088U-RES	319086.9	6259625.7	74 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10030	U	88	NCA18	52	47	45	37	0.4	0.26	7.5					
1092	10035-039U-RES	319039.7	6259613.4	83 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10035	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1093	10040-131D-RES	318875.8	6259556.0	135 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10040	D	131	NCA18	52	47	45	37	0.4	0.26	7.5					
1094	10040-135U-RES	319128.6	6259649.1	47 BRAND STREET, CARLINGFORD 2118	RES	Residential		10040	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
1095	10040-256U-RES	319240.9	6259695.4	22 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10040	U	256	NCA18	52	47	45	37	0.4	0.26	7.5					
1096	10040-097D-RES	318907.2	6259569.6	137 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10040	D	97	NCA18	52	47	45	37	0.4	0.26	7.5					
1097	10045-023D-RES	318975.6	6259597.2	80 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	3	10045	D	23	NCA18	52	47	45	37	0.4	0.26	7.5					
1098	10045-293U-RES	319273.2	6259712.4	64C HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10045	U	293	NCA18	52	47	45	37	0.4	0.26	7.5					
1099	10050-134U-RES	319123.8	6259660.4	49 BRAND STREET, CARLINGFORD 2118	RES	Residential		10050	U	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1100	10050-049D-RES	318948.6	6259595.7	80 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	3	10050	D	49	NCA18	52	47	45	37	0.4	0.26	7.5					
1101	10050-095U-RES	319087.2	6259646.3	78 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10050	U	95	NCA18	52	47	45	37	0.4	0.26	7.5					
1102	10055-216U-RES	319198.9	6259692.3	7 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10055	U	216	NCA18	52	47	45	37	0.4	0.26	7.5					
1103	10055-037U-RES	319031.2	6259631.1	85 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10055	U	37	NCA18	52	47	45	37	0.4	0.26	7.5					
1104	10060-255U-RES	319234.1	6259710.5	20 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10060	U	255	NCA18	52	47	45	37	0.4	0.26	7.5					
1105	10060-279D-RES	318729.4	6259522.7	2 ADINA STREET, TELOPEA 2117	RES	Residential		10060	D	279	NCA18	52	47	45	37	0.4	0.26	7.5					
1106	10065-122D-RES	318875.2	6259582.6	2 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10065	D	122	NCA18	52	47	45	37	0.4	0.26	7.5					
1107	10065-133U-RES	319117.5	6259674.4	51 BRAND STREET, CARLINGFORD 2118	RES	Residential		10065	U	133	NCA18	52	47	45	37	0.4	0.26	7.5					
1108	10065-092U-RES	319079.3	6259657.2	80 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10065	U	92	NCA18	52	47	45	37	0.4	0.26	7.5					
1109	10075-212U-RES	319187.1	6259712.1	5 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10075	U	212	NCA18	52	47	45	37	0.4	0.26	7.5					
1110	10075-258U-RES	319230.1	6259729.0	18 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10075	U	258	NCA18	52	47	45	37	0.4	0.26	7.5					
1111	10075-039U-RES	319025.8	6259651.0	89 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10075	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1112	10080-134U-RES	319113.5	6259687.2	53 BRAND STREET, CARLINGFORD 2118	RES	Residential		10080	U	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1113	10080-275D-RES	318727.5	6259541.0	43 TELOPEA STREET, TELOPEA 2117	RES	Residential		10080	D	275	NCA18	52	47	45	37	0.4	0.26	7.5					
1114	10080-036D-RES	318950.0	6259628.8	84 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10080	D	36	NCA18	52	47	45	37	0.4	0.26	7.5					
1115	10080-094U-RES	319075.5	6259673.9	82 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10080	U	94	NCA18	52	47	45	37	0.4	0.26	7.5					
1116	10085-284U-RES	319251.9	6259745.0	60A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10085	U	284	NCA18	52	47	45	37	0.4	0.26	7.5					
1117	10085-088D-RES	318899.1	6259614.6	139 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10085	D	88	NCA18	52	47	45	37	0.4	0.26	7.5					
1118	10095-133U-RES	319106.9	6259701.7	55A BRAND STREET, CARLINGFORD 2118	RES	Residential		10095	U	133	NCA18	52	47	45	37	0.4	0.26	7.5					
1119	10095-257U-RES	319223.4	6259744.4	16 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10095	U	257	NCA18	52	47	45	37	0.4	0.26	7.5					
1120	10095-270D-RES	318726.6	6259557.5	45 TELOPEA STREET, TELOPEA 2117	RES	Residential		10095	D	270	NCA18	52	47	45	37	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1121	10095-033D-RES	318947.9	6259643.1	86 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10095	D	33	NCA18	52	47	45	37	0.4	0.26	7.5					
1122	10095-039U-RES	319018.0	6259670.6	91 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10095	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1123	10095-094U-RES	319070.3	6259688.3	84 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10095	U	94	NCA18	52	47	45	37	0.4	0.26	7.5					
1124	10100-088D-RES	318894.3	6259627.9	141 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10100	D	88	NCA18	52	47	45	37	0.4	0.26	7.5					
1125	01010-050U-RES	314397.8	6257861.5	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01010	U	50	NCA05	59	54	53	52	0.4	0.26	7.5					
1126	10105-116D-RES	318865.4	6259624.3	1 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10105	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
1127	10105-253D-RES	318739.2	6259573.1	49 TELOPEA STREET, TELOPEA 2117	RES	Residential		10105	D	253	NCA18	52	47	45	37	0.4	0.26	7.5					
1128	10105-289U-RES	319248.9	6259765.7	58A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10105	U	289	NCA18	52	47	45	37	0.4	0.26	7.5					
1129	10110-134U-RES	319101.5	6259717.5	57 BRAND STREET, CARLINGFORD 2118	RES	Residential		10110	U	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1130	10110-256U-RES	319216.1	6259759.4	14 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10110	U	256	NCA18	52	47	45	37	0.4	0.26	7.5					
1131	10110-269D-RES	318720.8	6259574.5	47 TELOPEA STREET, TELOPEA 2117	RES	Residential		10110	D	269	NCA18	52	47	45	37	0.4	0.26	7.5					
1132	10110-094U-RES	319064.2	6259703.0	86 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10110	U	94	NCA18	52	47	45	37	0.4	0.26	7.5					
1133	10115-030D-RES	318944.4	6259659.5	88 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10115	D	30	NCA18	52	47	45	37	0.4	0.26	7.5					
1134	10115-038U-RES	319011.0	6259687.0	93 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10115	U	38	NCA18	52	47	45	37	0.4	0.26	7.5					
1135	10120-246D-RES	318739.8	6259590.9	51 TELOPEA STREET, CARLINGFORD 2118	RES	Residential		10120	D	246	NCA18	52	47	45	37	0.4	0.26	7.5					
1136	10120-082D-RES	318893.6	6259646.9	143 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10120	D	82	NCA18	52	47	45	37	0.4	0.26	7.5					
1137	10125-134D-RES	318842.7	6259635.7	1B HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10125	D	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1138	10130-135U-RES	319096.9	6259735.0	59 BRAND STREET, CARLINGFORD 2118	RES	Residential		10130	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
1139	10130-021D-RES	318947.9	6259677.3	90 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10130	D	21	NCA18	52	47	45	37	0.4	0.26	7.5					
1140	10130-252U-RES	319206.9	6259774.3	12 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10130	U	252	NCA18	52	47	45	37	0.4	0.26	7.5					
1141	10130-254D-RES	318726.7	6259602.0	12 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10130	D	254	NCA18	52	47	45	37	0.4	0.26	7.5					
1142	10130-274D-RES	318708.7	6259594.7	16 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10130	D	274	NCA18	52	47	45	37	0.4	0.26	7.5					
1143	10130-036U-RES	319004.1	6259698.9	95 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10130	U	36	NCA18	52	47	45	37	0.4	0.26	7.5					
1144	10130-089U-RES	319053.7	6259716.9	88 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10130	U	89	NCA18	52	47	45	37	0.4	0.26	7.5					
1145	10135-180U-RES	319137.8	6259753.6	40 BRAND STREET, CARLINGFORD 2118	RES	Residential		10135	U	180	NCA18	52	47	45	37	0.4	0.26	7.5					
1146	10135-239D-RES	318740.4	6259608.5	53 TELOPEA STREET, CARLINGFORD 2118	RES	Residential		10135	D	239	NCA18	52	47	45	37	0.4	0.26	7.5					
1147	10135-262D-RES	318717.8	6259602.4	14 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10135	D	262	NCA18	52	47	45	37	0.4	0.26	7.5					
1148	10135-281D-RES	318699.8	6259597.2	18 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10135	D	281	NCA18	52	47	45	37	0.4	0.26	7.5					
1149	10140-294D-RES	318686.0	6259598.9	20 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10140	D	294	NCA18	52	47	45	37	0.4	0.26	7.5					
1150	10140-086D-RES	318882.3	6259665.2	145 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10140	D	86	NCA18	52	47	45	37	0.4	0.26	7.5					
1151	00010-146U-RES	313853.3	6257270.7	16 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00010	U	146	NCA03	61	56	53	48	0.4	0.26	7.5					
1152	10150-024D-RES	318937.5	6259698.2	92 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10150	D	24	NCA18	52	47	45	37	0.4	0.26	7.5					
1153	10150-040U-RES	319001.6	6259719.2	97 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10150	U	40	NCA18	52	47	45	37	0.4	0.26	7.5					
1154	10150-075D-RES	318889.2	6259680.0	147 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10150	D	75	NCA18	52	47	45	37	0.4	0.26	7.5					
1155	10150-087U-RES	319046.5	6259734.1	92 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10150	U	87	NCA18	52	47	45	37	0.4	0.26	7.5					
1156	10155-127D-RES	318837.1	6259673.3	1A HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10155	D	127	NCA18	52	47	45	37	0.4	0.26	7.5					
1157	10155-238D-RES	318730.4	6259642.5	27 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10155	D	238	NCA18	52	47	45	37	0.4	0.26	7.5					
1158	01015-061U-RES	314408.5	6257854.7	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01015	U	61	NCA05	59	54	53	52	0.4	0.26	7.5					
1159	10160-131U-RES	319086.9	6259752.3	63 BRAND STREET, CARLINGFORD 2118	RES	Residential		10160	U	131	NCA18	52	47	45	37	0.4	0.26	7.5					
1160	10160-065D-RES	318894.7	6259697.9	149 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10160	D	65	NCA18	52	47	45	37	0.4	0.26	7.5					
1161	10165-235D-RES	318728.3	6259659.9	25 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10165	D	235	NCA18	52	47	45	37	0.4	0.26	7.5					
1162	10165-086D-RES	318872.6	6259696.5	149A ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10165	D	86	NCA18	52	47	45	37	0.4	0.26	7.5					
1163	10170-020D-RES	318935.1	6259719.7	94 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10170	D	20	NCA18	52	47	45	37	0.4	0.26	7.5					
1164	10170-272D-RES	318689.8	6259663.9	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10170	D	272	NCA18	52	47	45	37	0.4	0.26	7.5					
1165	10170-035U-RES	318991.9	6259734.5	99 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10170	U	35	NCA18	52	47	45	37	0.4	0.26	7.5					
1166	10175-116D-RES	318839.9	6259704.8	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10175	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
1167	10175-130D-RES	318826.0	6259702.8	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10175	D	130	NCA18	52	47	45	37	0.4	0.26	7.5					
1168	10175-232D-RES	318727.4	6259677.4	23 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10175	D	232	NCA18	52	47	45	37	0.4	0.26	7.5					
1169	10175-288D-RES	318672.3	6259666.4	5 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10175	D	288	NCA18	52	47	45	37	0.4	0.26	7.5					
1170	10175-085U-RES	319040.1	6259749.2	94 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10175	U	85	NCA18	52	47	45	37	0.4	0.26	7.5					
1171	10180-168D-RES	318787.6	6259700.9	22 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10180	D	168	NCA18	52	47	45	37	0.4	0.26	7.5					
1172	10180-229D-RES	318726.9	6259694.4	21 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10180	D	229	NCA18	52	47	45	37	0.4	0.26	7.5					
1173	10185-101D-RES	318851.9	6259725.0	151-153 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10185	D	101	NCA18	52	47	45	37	0.4	0.26	7.5					
1174	10190-119D-RES	318833.6	6259725.4	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10190	D	119	NCA18	52	47	45	37	0.4	0.26	7.5					
1175	10190-165D-RES	318787.6	6259721.0	20 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10190	D	165	NCA18	52	47	45	37	0.4	0.26	7.5					
1176	10190-228D-RES	318724.9	6259713.4	19 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10190	D	228	NCA18	52	47	45	37	0.4	0.26	7.5					
1177	10195-129U-RES	319081.7	6259766.3	65 BRAND STREET, CARLINGFORD 2118	RES	Residential		10195	U	129	NCA18	52	47	45	37	0.4	0.26	7.5					
1178	10195-138D-RES	318813.8	6259730.0	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10195	D	138	NCA18	52	47	45	37	0.4	0.26	7.5					
1179	10195-018D-RES	318932.4	6259745.7	96 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10195	D	18	NCA18	52	47	45	37	0.4	0.26	7.5					
1180	10195-033U-RES	318986.4	6259752.2	101 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10195	U	33	NCA18	52	47	45	37	0.4	0.26	7.5					
1181	10200-116D-RES	318834.4	6259743.0	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10200	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
1182	10200-164D-RES	318786.3	6259738.8	18 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10200	D	164	NCA18	52	47	45	37	0.4	0.26	7.5					
1183	10200-082U-RES	319034.3	6259763.0	96 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10200	U	82	NCA18	52	47	45	37	0.4	0.26	7.5					
1184	10205-227D-RES	318723.7	6259733.3	17 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10205	D	227	NCA18	52	47	45	37	0.4	0.26	7.5					
1185	10205-065D-RES	318884.4	6259752.4	155 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10205	D	65	NCA18	52	47	45	37	0.4	0.26	7.5					
1186	10215-116D-RES	318832.4	6259763.7	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10215	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
1187	10215-134D-RES	318814.4	6259763.4	16A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10215	D	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1188	10215-164D-RES	318784.4	6259762.4	16 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10215	D	164	NCA18	52	47	45	37	0.4	0.26	7.5					
1189	10215-226D-RES	318723.0	6259753.2	15 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10215	D	226	NCA18	52	47	45	37	0.4	0.26	7.5					
1190	10215-033U-RES	318984.6	6259771.3	103 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10215	U	33	NCA18	52	47	45	37	0.4	0.26	7.5					
1191	10215-068D-RES	318880.6	6259768.1	157 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10215	D	68	NCA18	52	47	45	37	0.4	0.26	7.5					
1192	10220-021D-RES	318927.4	6259773.8	98 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10220	D	21	NCA18	52	47	45	37	0.4	0.26	7.5					
1193	10230-119D-RES	318828.4	6259781.3	14B CHARLES STREET, CARLINGFORD 2118	RES	Residential		10230	D	119	NCA18	52	47	45	37	0.4	0.26	7.5					
1194	10225-124U-RES	319075.3	6259781.8	67 BRAND STREET, CARLINGFORD 2118	RES	Residential		10225	U	124	NCA18	52	47	45	37	0.4	0.26	7.5					
1195	10225-166D-RES	318782.3	6259780.7	14 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10225	D	166	NCA18	52	47	45	37	0.4	0.26	7.5					
1196	10225-226D-RES	318721.9	6259773.3	13 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10225	D	226	NCA18	52	47	45	37	0.4	0.26	7.5					
1197	10225-083U-RES	319034.5	6259780.1	98 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10225	U	83	NCA18	52	47	45	37	0.4	0.26	7.5					
1198	10230-138D-RES	318809.7	6259782.2	14A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10230	D	138	NCA18	52	47	45	37	0.4	0.26	7.5					
1199	10230-289D-RES	318658.5	6259785.1	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10230	D	289	NCA18	52	47	45	37	0.4	0.26	7.5					
1200	10230-067D-RES	318880.9	6259784.0	159 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10230	D	67	NCA18	52	47	45	37	0.4	0.26	7.5					
1201	10235-226D-RES	318721.6	6259792.8	11 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10235	D	226	NCA18	52	47	45	37	0.4	0.26	7.5					
1202	10240-127D-RES	318821.0	6259801.0	12A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10240	D	127	NCA18	52	47	45	37	0.4	0.26	7.5					
1203	10240-169D-RES	318779.5	6259803.0	12 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10240	D	169	NCA18	52	47	45	37	0.4	0.26	7.5					
1204	10240-034U-RES	318985.6	6259792.6	105 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	10240	U	34	NCA18	52	47	45	37	0.4	0.26	7.5					
1205	10240-075D-RES	318873.6	6259799.8	161 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10240	D	75	NCA18	52	47	45	37	0.4	0.26	7.5					
1206	10245-020D-RES	318928.3	6259800.2	100 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10245	D	20	NCA18	52	47	45	37	0.4	0.26	7.5					
1207	10245-229D-RES	318720.2	6259811.5	9 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10245	D	229	NCA18	52	47	45	37	0.4	0.26	7.5					
1208	10245-296D-RES	318653.3	6259818.4	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10245	D	296	NCA18	52	47	45	37	0.4	0.26	7.5					
1209	10250-088U-RES	319040.2	6259795.3	100 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10250	U	88	NCA18	52	47	45	37	0.4	0.26	7.5					
1210	10255-168D-RES	318782.3	6259824.2	10 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10255	D	168	NCA18	52	47	45	37	0.4	0.26	7.5					
1211	10255-231D-RES	318719.7	6259830.2	7 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10255	D	231	NCA18	52	47	45	37	0.4	0.26	7.5					
1212	10255-079D-RES	318870.8	6259815.6	163 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10255	D	79	NCA18	52	47	45	37	0.4	0.26	7.5					
1213	01025-074U-RES	314419.9	6257845.0	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01025	U	74	NCA05	59	54	53	52	0.4	0.26	7.5					
1214	01025-087U-RES	314428.4	6257835.0	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	01025	U	87	NCA05	59	54	53	52	0.4	0.26	7.5					
1215	10260-127D-RES	318823.4	6259828.5	10A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10260	D	127	NCA18	52	47	45	37	0.4	0.26	7.5					
1216	10260-233D-RES	318719.2	6259844.3	5B CHARLES STREET, CARLINGFORD 2118	RES	Residential		10260	D	233	NCA18	52	47	45	37	0.4	0.26	7.5					
1217	10260-026D-RES	318924.5	6259817.7	102 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10260	D	26	NCA18	52	47	45	37	0.4	0.26	7.5					
1218	10260-287D-RES	318665.6	6259853.0	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10260	D	287	NCA18	52	47	45	37	0.4	0.26	7.5					
1219	10265-119U-RES	319072.4	6259801.7	69 BRAND STREET, CARLINGFORD 2118	RES	Residential		10265	U	119	NCA18	52	47	45	37	0.4	0.26	7.5					
1220	10265-160D-RES	318793.2	6259846.4	8 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10265	D	160	NCA18	52	47	45	37	0.4	0.26	7.5					
1221	10265-236D-RES	318716.7	6259852.4	5A CHARLES STREET, CARLINGFORD 2118	RES	Residential		10265	D	236	NCA18	52	47	45	37	0.4	0.26	7.5					
1222	10265-037U-RES	318991.2	6259812.1	107 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10265	U	37	NCA18	52	47	45	37	0.4	0.26	7.5					
1223	10265-083D-RES	318868.6	6259829.1	165 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10265	D	83	NCA18	52	47	45	37	0.4	0.26	7.5					
1224	10270-239D-RES	318716.4	6259866.6	3 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10270	D	239	NCA18	52	47	45	37	0.4	0.26	7.5					
1225	10275-028D-RES	318924.9	6259834.7	104 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10275	D	28	NCA18	52	47	45	37	0.4	0.26	7.5					
1226	10275-085D-RES	318868.7	6259844.1	167 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10275	D	85	NCA18	52	47	45	37	0.4	0.26	7.5					
1227	10280-243D-RES	318716.2	6259886.3	1 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10280	D	243	NCA18	52	47	45	37	0.4	0.26	7.5					
1228	10280-086D-RES	318870.0	6259853.9	169 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10280	D	86	NCA18	52	47	45	37	0.4	0.26	7.5					
1229	10280-092U-RES	319046.7	6259814.4	102 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10280	U	92	NCA18	52	47	45	37	0.4	0.26	7.5					
1230	10285-168D-RES	318790.0	6259874.2	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10285	D	168	NCA18	52	47	45	37	0.4	0.26	7.5					
1231	10285-042U-RES	318999.1	6259827.5	109 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	10285	U	42	NCA18	52	47	45	37	0.4	0.26	7.5					
1232	10290-031D-RES	318925.6	6259851.1	106 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	2	10290	D	31	NCA18	52	47	45	37	0.4	0.26	7.5					
1233	10295-111U-RES	319067.9	6259819.9	69C BRAND STREET, CARLINGFORD 2118	RES	Residential		10295	U	111	NCA18	52	47	45	37	0.4	0.26	7.5					
1234	10295-266D-RES	318699.0	6259914.7	270 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10295	D	266	NCA18	52	47	45	37	0.4	0.26	7.5					
1235	10295-088D-RES	318870.6	6259868.2	171 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10295	D	88	NCA18	52	47	45	37	0.4	0.26	7.5					
1236	10300-161U-RES	319116.8	6259810.9	42 BRAND STREET, CARLINGFORD 2118	RES	Residential		10300	U	161	NCA18	52	47	45	37	0.4	0.26	7.5					
1237	10300-253D-RES	318713.6	6259918.1	272 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10300	D	253	NCA18	52	47	45	37	0.4	0.26	7.5					
1238	10300-048U-RES	319008.3	6259840.4	111 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	10300	U	48	NCA18	52	47	45	37	0.4	0.26	7.5					
1239	01030-112D-MED	314351.6	6258022.3	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01030	D	112	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Residential ward		

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1240	10305-132D-RES	318832.9	6259895.7	175 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10305	D	132	NCA18	52	47	45	37	0.4	0.26	7.5					
1241	10305-239D-RES	318729.1	6259921.5	274 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10305	D	239	NCA18	52	47	45	37	0.4	0.26	7.5					
1242	10305-042D-RES	318918.7	6259869.7	108 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	10305	D	42	NCA18	52	47	45	37	0.4	0.26	7.5					
1243	01030-057D-COM	314373.0	6257971.4	7 HAINSWORTH STREET, WESTMEAD 2145	COM	Commercial		01030	D	57	NCA05	70	70	70	70	0.8	0.8	7.5		Cumberland Hospital	Admin building		
1244	10305-098D-RES	318864.6	6259884.6	173 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10305	D	98	NCA18	52	47	45	37	0.4	0.26	7.5					
1245	10310-102U-RES	319061.8	6259832.2	69D BRAND STREET, CARLINGFORD 2118	RES	Residential		10310	U	102	NCA18	52	47	45	37	0.4	0.26	7.5					
1246	10310-015D-RES	318947.4	6259868.7	106A ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10310	D	15	NCA18	52	47	45	37	0.4	0.26	7.5					
1247	10310-180U-RES	319137.2	6259810.3	2 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10310	U	180	NCA18	52	47	45	37	0.4	0.26	7.5					
1248	10310-186D-RES	318781.9	6259915.3	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10310	D	186	NCA18	52	47	45	37	0.4	0.26	7.5					
1249	10310-246U-RES	319199.5	6259790.9	10 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10310	U	246	NCA18	52	47	45	37	0.4	0.26	7.5					
1250	10315-196U-RES	319153.3	6259808.2	4 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10315	U	196	NCA18	52	47	45	37	0.4	0.26	7.5					
1251	10315-057U-RES	319021.1	6259851.5	113 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	10315	U	57	NCA18	52	47	45	37	0.4	0.26	7.5					
1252	10320-101D-RES	318868.1	6259903.8	175A ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		10320	D	101	NCA18	52	47	45	37	0.4	0.26	7.5					
1253	10320-150U-RES	319110.8	6259828.2	44 BRAND STREET, CARLINGFORD 2118	RES	Residential		10320	U	150	NCA18	52	47	45	37	0.4	0.26	7.5					
1254	10325-213U-RES	319171.5	6259811.3	6 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10325	U	213	NCA18	52	47	45	37	0.4	0.26	7.5					
1255	10325-230U-RES	319188.4	6259806.2	8 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		10325	U	230	NCA18	52	47	45	37	0.4	0.26	7.5					
1256	10330-151D-RES	318822.2	6259925.1	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10330	D	151	NCA18	52	47	45	37	0.4	0.26	7.5					
1257	10330-198D-RES	318777.6	6259941.6	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10330	D	198	NCA18	52	47	45	37	0.4	0.26	7.5					
1258	10330-299U-RES	319256.1	6259792.3	56 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10330	U	299	NCA18	52	47	45	37	0.4	0.26	7.5					
1259	10335-138U-RES	319102.8	6259842.6	46 BRAND STREET, CARLINGFORD 2118	RES	Residential		10335	U	138	NCA18	52	47	45	37	0.4	0.26	7.5					
1260	10335-076U-RES	319043.9	6259861.3	115 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	10335	U	76	NCA18	52	47	45	37	0.4	0.26	7.5					
1261	10340-111D-RES	318862.8	6259922.8	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10340	D	111	NCA18	52	47	45	37	0.4	0.26	7.5					
1262	10340-039D-RES	318931.5	6259902.0	110 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	4	10340	D	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1263	10345-159U-RES	319127.5	6259849.6	106 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10345	U	159	NCA18	52	47	45	37	0.4	0.26	7.5					
1264	10345-258U-RES	319221.2	6259820.7	52 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10345	U	258	NCA18	52	47	45	37	0.4	0.26	7.5					
1265	10345-058U-RES	319029.7	6259875.8	71 BRAND STREET, CARLINGFORD 2118	RES	Residential	1	10345	U	58	NCA18	52	47	45	37	0.4	0.26	7.5					
1266	10350-162D-RES	318817.9	6259950.9	2 CHARLES STREET, CARLINGFORD 2118	RES	Residential		10350	D	162	NCA18	52	47	45	37	0.4	0.26	7.5					
1267	10350-265D-RES	318719.4	6259980.0	221 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10350	D	265	NCA19	62	57	52	44	0.4	0.26	7.5					
1268	10350-291D-RES	318694.8	6259986.6	219 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10350	D	291	NCA19	62	57	52	44	0.4	0.26	7.5					
1269	10350-039U-RES	319013.8	6259889.1	73 BRAND STREET, CARLINGFORD 2118	RES	Residential	1	10350	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1270	10355-169U-RES	319139.5	6259856.6	108 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10355	U	169	NCA18	52	47	45	37	0.4	0.26	7.5					
1271	10355-295U-RES	319259.9	6259818.4	54 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10355	U	295	NCA18	52	47	45	37	0.4	0.26	7.5					
1272	10360-105U-RES	319078.6	6259877.4	117 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10360	U	105	NCA18	52	47	45	37	0.4	0.26	7.5					
1273	10360-126D-COM	318854.3	6259946.5	288 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial		10360	D	126	NCA18	70	70	70	70	0.8	0.8	7.5			Service station		
1274	10360-277U-RES	319243.7	6259829.1	52B HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10360	U	277	NCA18	52	47	45	37	0.4	0.26	7.5					
1275	10365-184U-RES	319156.0	6259858.4	110 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10365	U	184	NCA18	52	47	45	37	0.4	0.26	7.5					
1276	10365-247U-RES	319215.8	6259840.3	50A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10365	U	247	NCA18	52	47	45	37	0.4	0.26	7.5					
1277	10370-115U-RES	319092.3	6259887.3	119 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10370	U	115	NCA18	52	47	45	37	0.4	0.26	7.5					
1278	10370-194U-RES	319167.6	6259863.2	112 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10370	U	194	NCA18	52	47	45	37	0.4	0.26	7.5					
1279	10370-286U-RES	319255.3	6259834.9	52A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10370	U	286	NCA18	52	47	45	37	0.4	0.26	7.5					
1280	10370-035U-RES	319015.8	6259908.6	75 BRAND STREET, CARLINGFORD 2118	RES	Residential	1	10370	U	35	NCA18	52	47	45	37	0.4	0.26	7.5					
1281	10370-053D-RES	318928.5	6259938.0	114 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	4	10370	D	53	NCA18	52	47	45	37	0.4	0.26	7.5					
1282	10370-084U-RES	319062.5	6259893.3	48 BRAND STREET, CARLINGFORD 2118	RES	Residential		10370	U	84	NCA18	52	47	45	37	0.4	0.26	7.5					
1283	10375-247D-RES	318743.4	6259996.1	223 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10375	D	247	NCA19	62	57	52	44	0.4	0.26	7.5					
1284	10380-233D-RES	318758.8	6259999.6	225 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10380	D	233	NCA19	62	57	52	44	0.4	0.26	7.5					
1285	10380-273D-RES	318720.3	6260009.1	221A PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10380	D	273	NCA19	62	57	52	44	0.4	0.26	7.5					
1286	10385-137U-RES	319117.6	6259892.7	121 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10385	U	137	NCA18	52	47	45	37	0.4	0.26	7.5					
1287	10385-246U-RES	319222.4	6259862.5	48 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10385	U	246	NCA18	52	47	45	37	0.4	0.26	7.5					
1288	10385-270U-RES	319244.5	6259853.4	50 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10385	U	270	NCA18	52	47	45	37	0.4	0.26	7.5					
1289	10385-061U-RES	319044.9	6259917.1	50 BRAND STREET, CARLINGFORD 2118	RES	Residential	1	10385	U	61	NCA18	52	47	45	37	0.4	0.26	7.5					
1290	10395-115U-RES	319098.6	6259907.9	1 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10395	U	115	NCA18	52	47	45	37	0.4	0.26	7.5					
1291	10395-211U-RES	319191.6	6259882.7	114 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10395	U	211	NCA18	52	47	45	37	0.4	0.26	7.5					
1292	10395-043U-RES	319029.7	6259927.9	52 BRAND STREET, CARLINGFORD 2118	RES	Residential	2	10395	U	43	NCA18	52	47	45	37	0.4	0.26	7.5					
1293	10400-218D-RES	318778.8	6260012.2	227-231 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10400	D	218	NCA19	62	57	52	44	0.4	0.26	7.5					
1294	10400-236U-RES	319216.2	6259876.5	46 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10400	U	236	NCA18	52	47	45	37	0.4	0.26	7.5					
1295	10400-098U-RES	319084.6	6259919.6	3 KENNY PLACE, CARLINGFORD 2118	RES	Residential	2	10400	U	98	NCA18	52	47	45	37	0.4	0.26	7.5					
1296	10410-041D-RES	318951.3	6259971.8	118 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	4	10410	D	41	NCA18	52	47	45	37	0.4	0.26	7.5					
1297	10410-089U-RES	319079.2	6259932.7	5 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10410	U	89	NCA18	52	47	45	37	0.4	0.26	7.5					
1298	10415-168U-RES	319155.6	6259911.9	123 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10415	U	168	NCA18	52	47	45	37	0.4	0.26	7.5					
1299	10415-172D-RES	318828.0	6260015.0	235 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10415	D	172	NCA19	62	57	52	44	0.4	0.26	7.5					
1300	10415-203D-RES	318797.5	6260022.2	227-231 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10415	D	203	NCA19	62	57	52	44	0.4	0.26	7.5					
1301	10415-234U-RES	319219.2	6259895.1	116 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10415	U	234	NCA18	52	47	45	37	0.4	0.26	7.5					
1302	10415-267D-RES	318737.2	6260042.8	9 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10415	D	267	NCA19	62	57	52	44	0.4	0.26	7.5					
1303	10420-075U-RES	319068.9	6259945.0	7 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10420	U	75	NCA18	52	47	45	37	0.4	0.26	7.5					
1304	10420-083D-RES	318914.1	6259991.7	290 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential	4	10420	D	83	NCA18	52	47	45	37	0.4	0.26	7.5					
1305	10425-151U-RES	319142.3	6259925.2	33 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10425	U	151	NCA18	52	47	45	37	0.4	0.26	7.5					
1306	10430-183U-RES	319174.7	6259921.9	125 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10430	U	183	NCA18	52	47	45	37	0.4	0.26	7.5					
1307	10430-063U-RES	319059.4	6259957.8	9 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10430	U	63	NCA18	52	47	45	37	0.4	0.26	7.5					
1308	10435-134U-RES	319129.1	6259940.9	31 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10435	U	134	NCA18	52	47	45	37	0.4	0.26	7.5					
1309	10435-197U-RES	319190.1	6259924.7	127 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		10435	U	197	NCA18	52	47	45	37	0.4	0.26	7.5					
1310	10435-297U-RES	319284.8	6259894.4	29A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10435	U	297	NCA18	52	47	45	37	0.4	0.26	7.5					
1311	10440-182D-RES	318825.8	6260041.7	233 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10440	D	182	NCA19	62	57	52	44	0.4	0.26	7.5					
1312	10440-048U-RES	319047.9	6259970.5	11 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10440	U	48	NCA18	52	47	45	37	0.4	0.26	7.5					
1313	10445-122U-RES	319120.0	6259953.3	29 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10445	U	122	NCA18	52	47	45	37	0.4	0.26	7.5					
1314	10450-224D-RES	318788.2	6260061.9	12C FELTON ROAD, CARLINGFORD 2118	RES	Residential		10450	D	224	NCA19	62	57	52	44	0.4	0.26	7.5					
1315	10450-251D-RES	318762.4	6260069.9	9 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10450	D	251	NCA19	62	57	52	44	0.4	0.26	7.5					
1316	10455-108U-RES	319109.1	6259965.7	27 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10455	U	108	NCA18	52	47	45	37	0.4	0.26	7.5					
1317	10455-162D-RES	318850.6	6260055.0	237-239 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10455	D	162	NCA19	62	57	52	44	0.4	0.26	7.5					
1318	10455-039U-RES	319043.2	6259986.5	13 KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10455	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1319	10460-198D-RES	318817.9	6260069.4	12B FELTON ROAD, CARLINGFORD 2118	RES	Residential		10460	D	198	NCA19	62	57	52	44	0.4	0.26	7.5					
1320	10460-268D-RES	318752.9	6260097.5	16 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10460	D	268	NCA19	62	57	52	44	0.4	0.26	7.5					
1321	10460-294D-RES	318727.9	6260104.7	14 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10460	D	294	NCA19	62	57	52	44	0.4	0.26	7.5					
1322	10460-077D-RES	318932.3	6260032.0	294 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential	4	10460	D	77	NCA18	52	47	45	37	0.4	0.26	7.5					
1323	10465-240D-RES	318780.9	6260092.7	12D FELTON ROAD, CARLINGFORD 2118	RES	Residential		10465	D	240	NCA19	62	57	52	44	0.4	0.26	7.5					
1324	10470-210D-RES	318814.8	6260095.5	12A FELTON ROAD, CARLINGFORD 2118	RES	Residential		10470	D	210	NCA19	62	57	52	44	0.4	0.26	7.5					
1325	10475-034U-RES	319043.9	6260004.6	15 KENNY PLACE, CARLINGFORD 2118	RES	Residential	2	10475	U	34	NCA18	52	47	45	37	0.4	0.26	7.5					
1326	10475-036D-RES	318978.3	6260035.9	296 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10475	D	36	NCA18	52	47	45	37	0.4	0.26	7.5					
1327	10480-101U-RES	319108.2	6259985.0	25 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10480	U	101	NCA18	52	47	45	37	0.4	0.26	7.5					
1328	10480-164U-RES	319166.0	6259960.0	4 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10480	U	164	NCA18	52	47	45	37	0.4	0.26	7.5					
1329	10480-270U-RES	319263.8	6259917.5	29 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10480	U	270	NCA18	52	47	45	37	0.4	0.26	7.5					
1330	10485-178U-RES	319180.8	6259960.0	3 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10485	U	178	NCA18	52	47	45	37	0.4	0.26	7.5					
1331	10490-142U-RES	319148.1	6259976.0	5 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10490	U	142	NCA18	52	47	45	37	0.4	0.26	7.5					
1332	10490-202U-RES	319205.8	6259959.9	40 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10490	U	202	NCA18	52	47	45	37	0.4	0.26	7.5					
1333	10490-278U-RES	319275.1	6259926.4	27A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10490	U	278	NCA18	52	47	45	37	0.4	0.26	7.5					
1334	10490-285U-RES	319283.7	6259929.3	27 HONITON AVENUE-EAST, CARLINGFORD 2118	RES	Residential		10490	U	285	NCA18	52	47	45	37	0.4	0.26	7.5					
1335	10490-299U-RES	319296.8	6259923.9	25A HONITON AVENUE-EAST, CARLINGFORD 2118	RES	Residential		10490	U	299	NCA18	52	47	45	37	0.4	0.26	7.5					
1336	10490-090U-RES	319100.6	6259998.0	23 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10490	U	90	NCA18	52	47	45	37	0.4	0.26	7.5					
1337	10495-128U-RES	319139.7	6259996.0	6 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10495	U	128	NCA18	52	47	45	37	0.4	0.26	7.5					
1338	10495-224U-RES	319226.8	6259952.4	38 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10495	U	224	NCA18	52	47	45	37	0.4	0.26	7.5					
1339	10495-034U-RES	319050.3	6260023.5	17 KENNY PLACE, CARLINGFORD 2118	RES	Residential	2	10495	U	34	NCA18	52	47	45	37	0.4	0.26	7.5					
1340	10500-183U-RES	319193.1	6259983.3	2 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10500	U	183	NCA18	52	47	45	37	0.4	0.26	7.5					
1341	10500-218U-RES	319226.8	6259973.7	36 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10500	U	218	NCA18	52	47	45	37	0.4	0.26	7.5					
1342	10500-072D-RES	318952.4	6260066.3	298 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential	4	10500	D	72	NCA18	52	47	45	37	0.4	0.26	7.5					
1343	10500-082U-RES	319097.4	6260015.5	21 KENNY PLACE, CARLINGFORD 2118	RES	Residential		10500	U	82	NCA18	52	47	45	37	0.4	0.26	7.5					
1344	10505-110U-RES	319127.6	6260016.8	7 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10505	U	110	NCA18	52	47	45	37	0.4	0.26	7.5					
1345	10505-055U-RES	319073.8	6260028.5	19 KENNY PLACE, CARLINGFORD 2118	RES	Residential	2	10505	U	55	NCA18	52	47	45	37	0.4	0.26	7.5					
1346	10510-187D-RES	319202.1	6259997.6	1A CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10510	D	187	NCA18	52	47	45	37	0.4	0.26	7.5					
1347	00105-105U-RES	313858.0	6257372.6	14A CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00105	U	105	NCA03	61	56	53	48	0.4	0.26	7.5					
1348	10510-072U-RES	319093.1	6260033.4	21A KENNY PLACE, CARLINGFORD 2118	RES	Residential	1	10510	U	72	NCA18	52	47	45	37	0.4	0.26	7.5					
1349	10515-169D-RES	318863.6	6260107.3	6 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10515	D	169	NCA19	62	57	52	44	0.4	0.26	7.5					
1350	10515-243U-RES	319256.7	6259984.2	34 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10515	U	243	NCA18	52	47	45	37	0.4	0.26	7.5					
1351	10515-263U-RES	318773.9	6260137.2	14 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10515	U	263	NCA19	62	57	52	44	0.4	0.26	7.5					
1352	10520-138U-COM	318894.6	6260104.6	241-245 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial	2	10520	U	138	NCA19	70	70	70	70	0.8	0.8	7.5					
1353	10520-214D-RES	319230.4	6259999.6	34A HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10520	D	214	NCA18	52	47	45	37	0.4	0.26	7.5					
1354	10520-283U-RES	318755.0	6260143.8	16 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10520	U	283	NCA19	62	57	52	44	0.4	0.26	7.5					
1355	10520-298U-RES	318740.5	6260148.0	18 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10520	U	298	NCA19	62	57	52	44	0.4	0.26	7.5					
1356	00105-243U-RES	313983.4	6257314.8	12 ALFRED STREET, WESTMEAD 2145	RES	Residential		00105	U	243	NCA03	61	56	53	48	0.4	0.26	7.5					
1357	00105-244D-EDU	313542.8	6257530.8	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00105	D	244	NCA02	55	55	55	55	0.8	0.8	7.5					
1358	10525-226D-RES	318812.1	6260134.8	10 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10525	D	226	NCA19	62	57	52	44	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1359	10525-253D-RES	319269.7	6259992.3	32 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10525	D	253	NCA18	52	47	45	37	0.4	0.26	7.5					
1360	10525-039U-RES	318989.8	6260077.2	302 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential	4	10525	U	39	NCA18	52	47	45	37	0.4	0.26	7.5					
1361	10530-110D-RES	319134.0	6260038.1	8 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10530	D	110	NCA18	52	47	45	37	0.4	0.26	7.5					
1362	10530-206D-RES	318833.9	6260135.7	8 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10530	D	206	NCA19	62	57	52	44	0.4	0.26	7.5					
1363	10535-185D-RES	318854.3	6260131.4	6 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10535	U	185	NCA19	62	57	52	44	0.4	0.26	7.5					
1364	10535-041D-RES	319070.5	6260064.6	5B TIPTREES AVENUE, CARLINGFORD 2118	RES	Residential	2	10535	D	41	NCA18	52	47	45	37	0.4	0.26	7.5					
1365	10550-127U-RES	319154.4	6260044.9	9 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10550	U	127	NCA18	52	47	45	37	0.4	0.26	7.5					
1366	10565-150U-RES	319176.4	6260039.0	10 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10565	U	150	NCA18	52	47	45	37	0.4	0.26	7.5					
1367	10570-252U-IND	318817.9	6260221.2	2-26 JENKINS ROAD, CARLINGFORD 2118	IND	Industrial	2	10570	U	252	NCA19	75	75	75	75	1.6	1.6	7.5			Substation		
1368	10570-087U-RES	319120.5	6260068.1	1 TIPTREES AVENUE, CARLINGFORD 2118	RES	Residential	4	10570	U	87	NCA18	52	47	45	37	0.4	0.26	7.5					
1369	10600-162U-RES	319191.9	6260040.9	11 CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10600	U	162	NCA18	52	47	45	37	0.4	0.26	7.5					
1370	01060-225D-MED	314335.2	6258137.4	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01060	D	225	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Residential ward		
1371	10605-227U-RES	319246.3	6260006.0	1B CLOVER CLOSE, CARLINGFORD 2118	RES	Residential		10605	U	227	NCA18	52	47	45	37	0.4	0.26	7.5					
1372	10615-061U-RES	319116.2	6260108.6	1 TIPTREES AVENUE, CARLINGFORD 2118	RES	Residential	4	10615	U	61	NCA18	52	47	45	37	0.4	0.26	7.5					
1373	10635-300U-RES	319320.7	6259983.9	30 HONITON AVENUE-EAST, CARLINGFORD 2118	RES	Residential		10635	U	300	NCA18	52	47	45	37	0.4	0.26	7.5					
1374	10640-191D-RES	319237.1	6260054.4	9 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10640	D	191	NCA18	52	47	45	37	0.4	0.26	7.5					
1375	10640-209D-RES	319251.1	6260042.8	11 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10640	D	209	NCA18	52	47	45	37	0.4	0.26	7.5					
1376	10645-283U-RES	319315.7	6260005.3	16 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10645	U	283	NCA18	52	47	45	37	0.4	0.26	7.5					
1377	10650-111U-RES	319179.3	6260111.0	3 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10650	U	111	NCA18	52	47	45	37	0.4	0.26	7.5					
1378	10650-173D-RES	319229.4	6260073.2	7 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10650	D	173	NCA18	52	47	45	37	0.4	0.26	7.5					
1379	10655-144U-RES	319209.8	6260095.4	5 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10655	U	144	NCA18	52	47	45	37	0.4	0.26	7.5					
1380	10655-048U-COM	319054.4	6260208.7	245 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial	2	10655	U	48	NCA19	70	70	70	70	0.8	0.8	7.5					
1381	10670-254D-RES	319306.6	6260041.4	12 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10670	D	254	NCA18	52	47	45	37	0.4	0.26	7.5					
1382	10675-025U-COM	319082.7	6260207.9	1A JENKINS ROAD, CARLINGFORD 2118	COM	Commercial	1	10675	U	25	NCA19	70	70	70	70	0.8	0.8	7.5					
1383	10675-080D-RES	319039.4	6260242.6	1A JENKINS ROAD, CARLINGFORD 2118	RES	Residential	2	10675	D	80	NCA19	62	57	52	44	0.4	0.26	7.5					
1384	10685-238D-RES	319300.2	6260061.1	10 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10685	D	238	NCA18	52	47	45	37	0.4	0.26	7.5					
1385	10685-281U-RES	319334.4	6260033.7	14 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10685	U	281	NCA18	52	47	45	37	0.4	0.26	7.5					
1386	10685-073D-COM	319169.2	6260160.7	318 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial	1	10685	D	73	NCA18	70	70	70	70	0.8	0.8	7.5					
1387	10690-073D-RES	319054.7	6260251.4	1A JENKINS ROAD, CARLINGFORD 2118	RES	Residential	2	10690	D	73	NCA19	62	57	52	44	0.4	0.26	7.5					
1388	10710-115U-COM	319217.5	6260155.9	324A PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial	1	10710	U	115	NCA18	70	70	70	70	0.8	0.8	7.5					
1389	10720-175U-RES	319271.2	6260126.2	2 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10720	U	175	NCA18	52	47	45	37	0.4	0.26	7.5					
1390	10720-236U-RES	319319.1	6260088.4	8 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10720	U	236	NCA18	52	47	45	37	0.4	0.26	7.5					
1391	10720-084D-RES	319062.5	6260280.8	6 JAMES STREET, CARLINGFORD 2118	RES	Residential	18	10720	D	84	NCA19	62	57	52	44	0.4	0.26	7.5					
1392	10730-218U-RES	319312.5	6260107.0	6 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10730	U	218	NCA18	52	47	45	37	0.4	0.26	7.5					
1393	10750-141U-RES	319263.6	6260167.3	326 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential	4	10750	U	141	NCA18	52	47	45	37	0.4	0.26	7.5					
1394	10750-204U-RES	319314.9	6260131.4	2 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10750	U	204	NCA18	52	47	45	37	0.4	0.26	7.5					
1395	10755-183U-RES	319301.3	6260147.6	2 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10755	U	183	NCA18	52	47	45	37	0.4	0.26	7.5					
1396	10765-161U-RES	319289.7	6260168.1	330 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10765	U	161	NCA18	52	47	45	37	0.4	0.26	7.5					
1397	10765-039U-RES	319191.4	6260241.1	1-3 LLOYDS AVENUE, CARLINGFORD 2118	RES	Residential	4	10765	U	39	NCA19	62	57	52	44	0.4	0.26	7.5					
1398	10790-126D-RES	319070.8	6260360.9	9 JENKINS ROAD, CARLINGFORD 2118	RES	Residential	18	10790	D	126	NCA19	62	57	52	44	0.4	0.26	7.5					
1399	10785-164U-RES	319303.5	6260180.5	330 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10785	U	164	NCA18	52	47	45	37	0.4	0.26	7.5					
1400	10790-048U-MED	319213.6	6260254.5	5 LLOYDS AVENUE, CARLINGFORD 2118	MED	Medical		10790	U	48	NCA19	65	65	65	65	0.8	0.8	7.5					
1401	10800-056U-COM	319226.5	6260259.0	7 LLOYDS AVENUE, CARLINGFORD 2118	COM	Commercial	2	10800	U	56	NCA19	70	70	70	70	0.8	0.8	7.5					
1402	01080-113U-COM	314486.0	6257831.2	7 HAINSWORTH STREET, WESTMEAD 2145	COM	Commercial		01080	U	113	NCA05	70	70	70	70	0.8	0.8	7.5		Cumberland Hospital	Recreactional Centre		
1403	10820-038U-COM	319224.7	6260285.9	7 LLOYDS AVENUE, CARLINGFORD 2118	COM	Commercial	2	10820	U	38	NCA19	70	70	70	70	0.8	0.8	7.5					
1404	10830-088U-RES	319271.2	6260264.1	9-15 LLOYDS AVENUE, CARLINGFORD 2118	RES	Residential	3	10830	U	88	NCA19	62	57	52	44	0.4	0.26	7.5					
1405	10850-228U-COM	319394.7	6260195.6	334 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial		10850	U	228	NCA18	70	70	70	70	0.8	0.8	7.5					
1406	10865-052U-RES	319261.0	6260315.8	9-15 LLOYDS AVENUE, CARLINGFORD 2118	RES	Residential		10865	U	52	NCA19	62	57	52	44	0.4	0.26	7.5					
1407	10880-162D-RES	319098.9	6260458.2	12 THALLON STREET, CARLINGFORD 2118	RES	Residential		10880	D	162	NCA19	62	57	52	44	0.4	0.26	7.5					
1408	10885-124D-EDU	319329.8	6260289.1	17A LLOYDS AVENUE, CARLINGFORD 2118	EDU	Educational		10885	D	124	NCA19	55	55	55	55	0.8	0.8	7.5					
1409	10895-150D-RES	319356.6	6260280.4	1A SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10895	D	150	NCA19	62	57	52	44	0.4	0.26	7.5					
1410	10895-230D-RES	319053.5	6260509.8	21-25 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10895	D	230	NCA19	62	57	52	44	0.4	0.26	7.5					
1412	10900-105D-COM	319336.6	6260334.6	20 BOUNDARY ROAD, CARLINGFORD 2118	COM	Commercial		10900	D	105	NCA19	70	70	70	70	0.8	0.8	7.5		Scouts			
1413	10900-107D-RES	319175.7	6260461.2	9-11 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	107	NCA19	62	57	52	44	0.4	0.26	7.5					
1414	10900-111D-RES	319155.5	6260447.0	9-11 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	111	NCA19	62	57	52	44	0.4	0.26	7.5					
1416	10900-121D-RES	319357.7	6260399.8	1-9 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	121	NCA19	62	57	52	44	0.4	0.26	7.5					
1417	10900-126D-RES	319348.0	6260310.7	1A SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	126	NCA19	62	57	52	44	0.4	0.26	7.5					
1418	10900-127D-RES	319365.4	6260356.9	1-9 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	127	NCA19	62	57	52	44	0.4	0.26	7.5					
1419	10900-139D-RES	319343.5	6260466.4	11 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	139	NCA19	62	57	52	44	0.4	0.26	7.5					
1420	10900-142D-RES	319218.6	6260515.2	13-17 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	142	NCA19	62	57	52	44	0.4	0.26	7.5					
1421	10900-143D-RES	319294.0	6260506.6	24-26 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	143	NCA19	62	57	52	44	0.4	0.26	7.5					
1422	10900-146D-RES	319166.7	6260501.7	13-17 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	146	NCA19	62	57	52	44	0.4	0.26	7.5					
1423	10900-146D-RES	319374.1	6260318.6	1A SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	146	NCA19	62	57	52	44	0.4	0.26	7.5					
1424	10900-151D-RES	319344.3	6260483.5	13 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	151	NCA19	62	57	52	44	0.4	0.26	7.5					
1425	10900-159D-RES	319337.5	6260499.3	15 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	159	NCA19	62	57	52	44	0.4	0.26	7.5					
1426	10900-164D-RES	319380.2	6260291.4	1A SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	164	NCA19	62	57	52	44	0.4	0.26	7.5					
1427	10900-173D-RES	319336.6	6260518.2	17 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	173	NCA19	62	57	52	44	0.4	0.26	7.5					
1428	10900-174D-RES	319216.1	6260546.6	1-3 BOUNDARY ROAD, CARLINGFORD 2118	RES	Residential		10900	D	174	NCA19	62	57	52	44	0.4	0.26	7.5					
1429	10900-174D-RES	319404.5	6260428.0	8 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	174	NCA19	62	57	52	44	0.4	0.26	7.5					
1430	10900-176D-RES	319297.7	6260541.0	24-26 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	176	NCA19	62	57	52	44	0.4	0.26	7.5					
1431	10900-177D-RES	319175.8	6260540.0	19A THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	177	NCA19	62	57	52	44	0.4	0.26	7.5					
1432	10900-185D-RES	319155.2	6260539.0	19A THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	185	NCA19	62	57	52	44	0.4	0.26	7.5					
1433	10900-185D-RES	319423.4	6260393.6	2-6 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	185	NCA19	62	57	52	44	0.4	0.26	7.5					
1434	10900-193D-RES	319097.4	6260505.5	16 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	193	NCA19	62	57	52	44	0.4	0.26	7.5					
1435	10900-194D-PoW	319422.6	6260310.9	27 LLOYDS AVENUE, CARLINGFORD 2118	PoW	Place of Worship		10900	D	194	NCA19	55	55	55	55	0.8	0.8	7.5					
1436	10900-195D-RES	319177.3	6260559.2	21 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	195	NCA19	62	57	52	44	0.4	0.26	7.5					
1437	10900-200D-RES	319406.5	6260483.9	12 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	200	NCA19	62	57	52	44	0.4	0.26	7.5					
1438	10900-201D-RES	319433.8	6260325.4	29 LLOYDS AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	201	NCA19	62	57	52	44	0.4	0.26	7.5					
1439	10900-204D-RES	319211.3	6260577.0	1-3 BOUNDARY ROAD, CARLINGFORD 2118	RES	Residential		10900	D	204	NCA19	62	57	52	44	0.4	0.26	7.5					
1440	10900-207D-RES	319097.7	6260525.5	18 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	207	NCA19	62	57	52	44	0.4	0.26	7.5					
1441	10900-217D-RES	319270.6	6260589.5	32 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	217	NCA19	62	57	52	44	0.4	0.26	7.5					
1442	10900-220D-RES	319098.6	6260543.8	20 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	220	NCA19	62	57	52	44	0.4	0.26	7.5					
1443	10900-222D-RES	319336.6	6260573.6	24-26 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	222	NCA19	62	57	52	44	0.4	0.26	7.5					
1444	10900-222D-RES	319286.9	6260591.9	30 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	222	NCA19	62	57	52	44	0.4	0.26	7.5					
1445	10900-229D-RES	319304.0	6260594.4	28 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	229	NCA19	62	57	52	44	0.4	0.26	7.5					
1446	10900-232D-RES	319099.4	6260559.7	22 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	232	NCA19	62	57	52	44	0.4	0.26	7.5					
1447	10900-243D-RES	319356.4	6260587.7	22 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	243	NCA19	62	57	52	44	0.4	0.26	7.5					
1448	10900-244D-RES	319098.9	6260574.8	24 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	244	NCA19	62	57	52	44	0.4	0.26	7.5					
1449	10900-254D-RES	319379.8	6260586.4	20 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	254	NCA19	62	57	52	44	0.4	0.26	7.5					
1450	10900-256D-RES	319053.2	6260550.8	27 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	256	NCA19	62	57	52	44	0.4	0.26	7.5					
1451	10900-258D-RES	319359.5	6260603.1	22 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	258	NCA19	62	57	52	44	0.4	0.26	7.5					
1452	10900-262D-RES	319224.9	6260636.4	25 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	262	NCA19	62	57	52	44	0.4	0.26	7.5					
1453	10900-263D-RES	319186.4	6260632.4	29 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	263	NCA19	62	57	52	44	0.4	0.26	7.5					
1454	10900-265D-RES	319208.1	6260637.8	27 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	265	NCA19	62	57	52	44	0.4	0.26	7.5					
1455	10900-265D-RES	319166.5	6260629.0	31 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	265	NCA19	62	57	52	44	0.4	0.26	7.5					
1456	10900-265D-RES	319419.4	6260568.9	16 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	265	NCA19	62	57	52	44	0.4	0.26	7.5					
1457	10900-268D-RES	319052.9	6260567.4	29 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	268	NCA19	62	57	52	44	0.4	0.26	7.5					
1458	10900-269D-RES	319267.6	6260642.4	23 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	269	NCA19	62	57	52	44	0.4	0.26	7.5					
1459	10900-269D-RES	319376.0	6260605.9	20 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	269	NCA19	62	57	52	44	0.4	0.26	7.5					
1460	10900-270D-RES	319148.5	6260629.1	33 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	270	NCA19	62	57	52	44	0.4	0.26	7.5					
1461	10900-273D-RES	319128.7	6260623.9	35 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	273	NCA19	62	57	52	44	0.4	0.26	7.5					
1462	10900-276D-RES	319111.0	6260619.0	37 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	276	NCA19	62	57	52	44	0.4	0.26	7.5					
1463	10900-277D-RES	319288.4	6260646.9	21 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	277	NCA19	62	57	52	44	0.4	0.26	7.5					
1464	10900-280D-RES	319397.0	6260606.5	18 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	280	NCA19	62	57	52	44	0.4	0.26	7.5					
1465	10900-281D-RES	319095.9	6260616.0	39 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	281	NCA19	62	57	52	44	0.4	0.26	7.5					
1466	10900-284D-RES	319308.7	6260650.4	19 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	284	NCA19	62	57	52	44	0.4	0.26	7.5					
1467	10900-285D-RES	319261.9	6260659.2	10 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	285	NCA19	62	57	52	44	0.4	0.26	7.5					
1468	10900-293D-RES	319210.2	6260666.0	25 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	293	NCA19	62	57	52	44	0.4	0.26	7.5					
1469	10900-294D-RES	319056.7	6260605.5	31 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	294	NCA19	62	57	52	44	0.4	0.26	7.5					
1470	10900-295D-RES	319526.8	6260438.7	263 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	295	NCA19	62	57	52	44	0.4	0.26	7.5					
1471	10900-296D-RES	319530.1	6260319.0	346 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	296	NCA19	62	57	52	44	0.4	0.26	7.5					
1472	10900-297D-RES	319354.2	6260648.6	2 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	297	NCA19	62	57	52	44	0.4	0.26	7.5					
1473	10900-299D-RES	319426.3	6260607.6	16 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	299	NCA19	62	57	52	44	0.4	0.26	7.5					
1474	10900-081D-RES	319238.7	6260455.4	11 BOUNDARY ROAD, CARLINGFORD 2118	RES	Residential		10900	D	81	NCA19	62	57	52	44	0.4	0.26	7.5					
1475	10900-089D-RES	319211.9	6260458.8	9-11 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	89	NCA19	62	57	52	44	0.4	0.26	7.5					
1476	10900-095D-RES	319164.7	6260433.6	9-11 THALLON STREET, CARLINGFORD 2118	RES	Residential		10900	D	95	NCA19	62	57	52	44	0.4	0.26	7.5					
1477	01095-191D-COM	314381.5	6258120.3	7 HAINSWORTH STREET, WESTMEAD 2145	COM	Commercial		01095	D	191	NCA05	70	70	70	70	0.8	0.8	7.5		Cumberland Hospital	Staff dining/kitchen		
1478	01095-068D-MED	314427.3	6258006.3	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01095	D	68	NCA05	65	65	65	65	0.8	0.8	7.5					
1479	01115-020U-MED	314482.4	6257931.1	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01115	U	20	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Residential ward		

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1480	01125-049D-EDU	314464.3	6258001.5	7 HAINSWORTH STREET, WESTMEAD 2145	EDU	Educational		01125	D	49	NCA05	55	55	55	55	0.8	0.8	7.5		Cumberland Hospital	Education centre/library		
1481	01125-077U-MED	314512.3	6257881.0	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01125	U	77	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Residential ward		
1482	01130-220D-MED	314402.4	6258160.9	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		01130	D	220	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Residential ward		
1483	00115-207U-RES	313955.9	6257340.4	15 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00115	U	207	NCA03	61	56	53	48	0.4	0.26	7.5					
1484	01165-115U-COM	314565.9	6257863.3	7 HAINSWORTH STREET, WESTMEAD 2145	COM	Commercial		01165	U	115	NCA05	70	70	70	70	0.8	0.8	7.5		Cumberland Hospital	Museum/Gift Shop		
1485	00120-280D-EDU	313517.4	6257559.4	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00120	D	280	NCA02	55	55	55	55	0.8	0.8	7.5					
1486	00120-040U-RES	313808.6	6257417.7	157 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00120	U	40	NCA03	61	56	53	48	0.4	0.26	7.5					
1487	01225-110D-IND	314530.3	6258096.5	3 NEW STREET, NORTH PARRAMATTA 2151	IND	Industrial		01225	D	110	NCA06	75	75	75	75	1.6	1.6	7.5		Cumberland Hospital	Gardener's Store		
1488	01260-024U-MED	314618.4	6257987.3	3 NEW STREET, NORTH PARRAMATTA 2151	RES	Medical	1	01260	U	24	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Forensic psychology facility		
1489	01280-025D-MED	314611.2	6258044.2	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01280	D	25	NCA06	65	65	65	65	0.8	0.8	7.5					
1490	01280-046U-MED	314649.6	6257979.9	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01280	U	46	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Forensic psychology facility		
1491	01290-107D-MED	314579.3	6258119.9	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01290	D	107	NCA06	65	65	65	65	0.8	0.8	7.5					
1492	01290-148D-MED	314556.9	6258154.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01290	D	148	NCA06	65	65	65	65	0.8	0.8	7.5					
1493	00130-133U-RES	313896.8	6257386.2	18 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00130	U	133	NCA03	61	56	53	48	0.4	0.26	7.5					
1494	00130-299U-RES	314044.7	6257311.1	11 ALFRED STREET, WESTMEAD 2145	RES	Residential		00130	U	299	NCA03	61	56	53	48	0.4	0.26	7.5					
1495	01310-148D-MED	314587.1	6258170.0	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01310	D	148	NCA06	65	65	65	65	0.8	0.8	7.5					
1496	01310-193D-MED	314575.0	6258214.1	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01310	D	193	NCA06	65	65	65	65	0.8	0.8	7.5					
1497	01330-203D-MED	314604.6	6258235.9	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01330	D	203	NCA06	65	65	65	65	0.8	0.8	7.5					
1498	01340-006D-MED	314674.8	6258051.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01340	D	6	NCA06	65	65	65	65	0.8	0.8	7.5					
1499	00135-207U-RES	313962.6	6257354.0	17 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00135	U	207	NCA03	61	56	53	48	0.4	0.26	7.5					
1500	00135-035U-RES	313810.5	6257433.2	159 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00135	U	35	NCA03	61	56	53	48	0.4	0.26	7.5					
1501	01355-154D-MED	314666.7	6258201.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01355	D	154	NCA06	65	65	65	65	0.8	0.8	7.5					
1502	01355-172D-IND	314655.8	6258217.3	3 NEW STREET, NORTH PARRAMATTA 2151	IND	Industrial		01355	D	172	NCA06	75	75	75	75	1.6	1.6	7.5		Cumberland Hospital	Garneder's Shed		
1503	01365-129D-MED	314678.1	6258177.4	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01365	D	129	NCA06	65	65	65	65	0.8	0.8	7.5					
1504	01370-063D-MED	314697.7	6258114.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	2	01370	D	63	NCA06	65	65	65	65	0.8	0.8	7.5					
1505	01390-147D-MED	314713.2	6258200.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01390	D	147	NCA06	65	65	65	65	0.8	0.8	7.5					
1506	01390-041U-MED	314733.5	6258010.1	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01390	U	41	NCA06	65	65	65	65	0.8	0.8	7.5					
1507	01420-071D-MED	314751.3	6258127.2	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01420	D	71	NCA06	65	65	65	65	0.8	0.8	7.5					
1508	01430-036U-MED	314772.2	6258019.1	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01430	U	36	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Cottage		
1509	01440-117U-MED	314787.9	6257938.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01440	U	117	NCA06	65	65	65	65	0.8	0.8	7.5					
1510	00145-207U-RES	313969.8	6257366.9	19 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00145	U	207	NCA03	61	56	53	48	0.4	0.26	7.5					
1511	00145-244U-RES	314002.5	6257350.0	14 ALFRED STREET, WESTMEAD 2145	RES	Residential		00145	U	244	NCA03	61	56	53	48	0.4	0.26	7.5					
1512	00145-284D-EDU	313525.9	6257586.3	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00145	D	284	NCA02	55	55	55	55	0.8	0.8	7.5					
1513	00145-300U-RES	314051.8	6257323.8	13 ALFRED STREET, WESTMEAD 2145	RES	Residential		00145	U	300	NCA03	61	56	53	48	0.4	0.26	7.5					
1514	01460-011D-MED	314797.0	6258071.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01460	D	11	NCA06	65	65	65	65	0.8	0.8	7.5					
1515	01460-025U-COM	314797.7	6258031.8	3 NEW STREET, NORTH PARRAMATTA 2151	COM	Commercial	2	01460	U	25	NCA06	70	70	70	70	0.8	0.8	7.5		Cumberland Hospital	Cafe		
1516	01475-219D-MED	314812.6	6258280.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01475	D	219	NCA06	65	65	65	65	0.8	0.8	7.5					
1517	01500-102D-MED	314863.2	6258156.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01500	D	102	NCA06	65	65	65	65	0.8	0.8	7.5					
1518	01500-167D-MED	314880.1	6258219.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01500	D	167	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Cottage		
1519	01500-187D-MED	314879.6	6258240.3	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01500	D	187	NCA06	65	65	65	65	0.8	0.8	7.5					
1520	01505-149D-MED	314889.1	6258198.0	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01505	D	149	NCA06	65	65	65	65	0.8	0.8	7.5					
1521	01515-142D-MED	314901.2	6258186.6	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01515	D	142	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Cottage		
1522	01515-056U-MED	314827.5	6257998.6	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01515	U	56	NCA06	65	65	65	65	0.8	0.8	7.5					
1523	01525-132D-MED	314909.5	6258172.4	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01525	D	132	NCA06	65	65	65	65	0.8	0.8	7.5					
1524	01530-012D-MED	314866.7	6258059.2	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01530	D	12	NCA06	65	65	65	65	0.8	0.8	7.5					
1525	01535-092D-MED	314905.9	6258129.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	2	01535	D	92	NCA06	65	65	65	65	0.8	0.8	7.5					
1526	00155-020U-MED	313804.0	6257455.4	161 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	1	00155	U	20	NCA03	65	65	65	65	0.8	0.8	7.5					
1527	01565-105U-MED	314868.2	6257930.2	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01565	U	105	NCA06	65	65	65	65	0.8	0.8	7.5					
1528	01565-172U-MED	314859.2	6257863.1	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01565	U	172	NCA06	65	65	65	65	0.8	0.8	7.5					
1529	01570-128U-MED	314881.6	6257903.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01570	U	128	NCA06	65	65	65	65	0.8	0.8	7.5					
1530	01575-241U-MED	314890.3	6257788.2	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	241	NCA06	65	65	65	65	0.8	0.8	7.5					
1531	01575-258U-MED	314882.2	6257771.8	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	258	NCA06	65	65	65	65	0.8	0.8	7.5					
1532	01580-205U-MED	314905.5	6257824.0	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01580	U	205	NCA06	65	65	65	65	0.8	0.8	7.5					
1533	01580-231U-MED	314912.0	6257797.4	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01580	U	231	NCA06	65	65	65	65	0.8	0.8	7.5					
1534	01580-087U-MED	314907.7	6257941.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	2	01580	U	87	NCA06	65	65	65	65	0.8	0.8	7.5					
1535	01585-219U-MED	314939.1	6257810.9	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01585	U	219	NCA06	65	65	65	65	0.8	0.8	7.5					
1536	01585-239U-MED	314921.7	6257789.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical		01585	U	239	NCA06	65	65	65	65	0.8	0.8	7.5					
1537	01585-265U-MED	314939.6	6257764.6	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01585	U	265	NCA06	65	65	65	65	0.8	0.8	7.5					
1538	01590-230U-MED	314960.0	6257801.8	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01590	U	230	NCA06	65	65	65	65	0.8	0.8	7.5					
1539	01590-244U-MED	314951.5	6257787.0	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01590	U	244	NCA06	65	65	65	65	0.8	0.8	7.5					
1540	01595-205U-MED	314967.5	6257828.9	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01595	U	205	NCA06	65	65	65	65	0.8	0.8	7.5					
1541	01610-200U-RES	315024.1	6257852.9	2B FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential		01610	U	200	NCA06	52	47	46	46	0.4	0.26	7.5					
1542	01610-268U-RES	315039.4	6257785.8	2A FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential		01610	U	268	NCA06	52	47	46	46	0.4	0.26	7.5					
1543	01610-045D-MED	314923.1	6258080.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	2	01610	D	45	NCA06	65	65	65	65	0.8	0.8	7.5					
1544	01615-183U-RES	315024.8	6257872.1	2B FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential		01615	U	183	NCA06	52	47	46	46	0.4	0.26	7.5					
1545	01630-063U-MED	314989.7	6257989.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01630	U	63	NCA06	65	65	65	65	0.8	0.8	7.5					
1546	01650-123U-MED	315036.5	6257945.9	6 FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01650	U	123	NCA06	65	65	65	65	0.8	0.8	7.5					
1547	00165-141U-RES	313917.4	6257410.0	22 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00165	U	141	NCA03	61	56	53	48	0.4	0.26	7.5					
1548	00165-229D-EDU	313585.1	6257581.1	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00165	D	229	NCA02	55	55	55	55	0.8	0.8	7.5					
1549	01655-027U-MED	314995.8	6258032.7	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	2	01655	U	27	NCA06	65	65	65	65	0.8	0.8	7.5					
1550	01660-232U-COM	315092.9	6257852.4	9 ALBERT STREET, NORTH PARRAMATTA 2151	COM	Commercial		01660	U	232	NCA06	70	70	70	70	0.8	0.8	7.5					
1551	01665-154D-MED	314918.9	6258201.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01665	D	154	NCA06	65	65	65	65	0.8	0.8	7.5					
1552	01665-155U-RES	315062.3	6257923.0	2 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		01665	U	155	NCA06	52	47	46	46	0.4	0.26	7.5					
1553	01665-268U-COM	315115.2	6257822.6	9 ALBERT STREET, NORTH PARRAMATTA 2151	COM	Commercial		01665	U	268	NCA06	70	70	70	70	0.8	0.8	7.5					
1554	01680-124U-RES	315063.7	6257958.5	2 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		01680	U	124	NCA06	52	47	46	46	0.4	0.26	7.5					
1555	01680-132D-MED	314942.7	6258188.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01680	D	132	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1556	01680-200D-COM	314912.7	6258249.3	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01680	D	200	NCA06	70	70	70	70	0.8	0.8	7.5					
1557	01680-078D-MED	314969.2	6258141.0	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01680	D	78	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1558	01680-093U-RES	315050.4	6257986.2	4 FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01680	U	93	NCA06	52	47	46	46	0.4	0.26	7.5					
1559	01685-103D-MED	314960.4	6258164.8	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01685	D	103	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1560	01685-014D-MED	315003.3	6258086.6	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01685	D	14	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1561	01685-178U-RES	315090.2	6257911.7	10 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		01685	U	178	NCA06	52	47	46	46	0.4	0.26	7.5					
1562	01685-227D-COM	314904.5	6258275.9	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01685	D	227	NCA06	70	70	70	70	0.8	0.8	7.5					
1563	01685-030D-MED	314992.3	6258099.5	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01685	D	30	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1564	01685-057D-MED	314982.1	6258124.0	3 NEW STREET, NORTH PARRAMATTA 2151	MED	Medical	1	01685	D	57	NCA06	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Hostel		
1565	01695-077U-RES	315054.9	6258007.5	6 FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01695	U	77	NCA06	52	47	46	46	0.4	0.26	7.5					
1566	01700-191U-RES	315112.1	6257908.7	14 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		01700	U	191	NCA06	52	47	46	46	0.4	0.26	7.5					
1567	01705-192D-COM	314939.9	6258254.1	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01705	D	192	NCA06	70	70	70	70	0.8	0.8	7.5					
1568	01710-051U-RES	315054.3	6258036.5	12 FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01710	U	51	NCA06	52	47	46	46	0.4	0.26	7.5					
1569	01715-159U-RES	315110.8	6257943.4	33 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01715	U	159	NCA06	52	47	46	46	0.4	0.26	7.5					
1570	01715-207D-COM	314941.1	6258271.8	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01715	D	207	NCA06	70	70	70	70	0.8	0.8	7.5					
1571	01720-200U-RES	315132.2	6257908.3	16 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		01720	U	200	NCA06	52	47	46	46	0.4	0.26	7.5					
1572	01720-026U-RES	315050.9	6258062.5	14 FLEET STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01720	U	26	NCA06	52	47	46	46	0.4	0.26	7.5					
1573	01725-143U-RES	315109.5	6257961.2	37 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01725	U	143	NCA06	52	47	46	46	0.4	0.26	7.5					
1574	01730-125U-RES	315108.5	6257981.1	39 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01730	U	125	NCA06	52	47	46	46	0.4	0.26	7.5					
1575	01730-017D-RES	315041.0	6258110.2	2 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	1	01730	D	17	NCA06	52	47	46	46	0.4	0.26	7.5			To be demolished by PLR		
1576	01735-219D-COM	314949.8	6258290.1	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01735	D	219	NCA06	70	70	70	70	0.8	0.8	7.5					
1577	01740-120D-RES	315002.8	6258206.3	14 NEW STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01740	D	120	NCA06	52	47	46	46	0.4	0.26	7.5					
1578	01740-144D-RES	314990.2	6258226.4	16 NEW STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01740	D	144	NCA06	52	47	46	46	0.4	0.26	7.5					
1579	01740-032U-RES	315071.5	6258066.0	1 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01740	U	32	NCA06	52	47	46	46	0.4	0.26	7.5					
1580	01740-072D-RES	315025.6	6258163.3	6 NEW STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01740	D	72	NCA06	52	47	46	46	0.4	0.26	7.5					
1581	01745-113U-RES	315113.3	6257996.8	41 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01745	U	113	NCA06	52	47	46	46	0.4	0.26	7.5					
1582	01745-045D-RES	315038.4	6258140.3	2 NEW STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01745	D	45	NCA06	52	47	46	46	0.4	0.26	7.5					
1583	01745-092U-RES	315105.3	6258016.3	43 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01745	U	92	NCA06	52	47	46	46	0.4	0.26	7.5					
1584	01745-097D-RES	315016.2	6258187.3	10-12 NEW STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01745	D	97	NCA06	52	47	46	46	0.4	0.26	7.5					
1585	01750-069U-RES	315096.9	6258038.1	45 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01750	U	69	NCA06	52	47	46	46	0.4	0.26	7.5					
1586	01755-193D-COM	314980.5	6258276.4	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01755	D	193	NCA06	70	70	70	70	0.8	0.8	7.5					
1587	01755-022D-RES	315060.8	6258125.5	2 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	2	01755	D	22	NCA06	52	47	46	46	0.4	0.26	7.5					
1588	01760-153D-RES	315002.5	6258243.1	1A DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01760	D	153	NCA06	52	47	46	46	0.4	0.26	2.5	Heritage				
1589	01760-250D-COM	314960.7	6258331.2	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01760	D	250	NCA06	70	70	70	70	0.8	0.8	7.5					
1590	01760-052U-RES	315100.9	6258059.5	49 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01760	U	52	NCA06	52	47	46	46	0.4	0.26	7.5					
1591	01770-294D-COM	314948.2	6258373.7	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01770	D	294	NCA06	70	70	70	70	0.8	0.8	7.5					
1592	01770-037U-RES	315103.9	6258077.9	51-53 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01770	U	37	NCA06	52	47	46	46	0.4	0.26	7.5					
1593	01780-167U-RES	315171.3	6257965.7	84 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01780	U	167	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1594	01780-122D-RES	315037.5	6258226.1	69 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01780	D	122	NCA06	52	47	46	46	0.4	0.26	7.5					
1595	01780-148D-RES	315025.2	6258249.2	71 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01780	D	148	NCA06	52	47	46	46	0.4	0.26	7.5					
1596	01785-156U-RES	315169.1	6257977.1	86 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01785	U	156	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1597	01780-018U-RES	315101.2	6258097.0	55 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01780	U	18	NCA06	52	47	46	46	0.4	0.26	7.5					
1598	01780-049D-RES	315071.8	6258161.4	59 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01780	D	49	NCA06	52	47	46	46	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1599	01780-090D-RES	315052.2	6258198.2	65 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01780	D	90	NCA06	52	47	46	46	0.4	0.26	2.5	Heritage				
1600	01785-103D-RES	315050.8	6258211.3	67 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01785	D	103	NCA06	52	47	46	46	0.4	0.26	2.5	Heritage				
1601	01785-220D-COM	314996.6	6258315.4	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01785	D	220	NCA06	70	70	70	70	0.8	0.8	7.5					
1602	01785-283D-COM	314967.6	6258371.0	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01785	D	283	NCA06	70	70	70	70	0.8	0.8	7.5					
1603	01785-071D-RES	315062.0	6258181.5	63 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01785	D	71	NCA06	52	47	46	46	0.4	0.26	7.5					
1604	01790-025D-RES	315087.8	6258142.7	57 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01790	D	25	NCA06	52	47	46	46	0.4	0.26	7.5					
1605	01800-148U-RES	315177.7	6257990.5	88 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01800	U	148	NCA07	61	56	55	44	0.4	0.26	7.5					
1606	01805-127U-RES	315175.6	6258013.6	90-92 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01805	U	127	NCA07	61	56	55	44	0.4	0.26	7.5					
1607	01815-097U-RES	315169.5	6258043.9	94 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01815	U	97	NCA07	61	56	55	44	0.4	0.26	7.5					
1608	01820-077U-RES	315164.8	6258063.6	98 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01820	U	77	NCA07	61	56	55	44	0.4	0.26	7.5					
1609	01825-064U-RES	315162.0	6258077.0	100 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01825	U	64	NCA07	61	56	55	44	0.4	0.26	7.5					
1610	01830-195D-COM	315049.1	6258314.7	2 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01830	D	195	NCA07	70	70	70	70	0.8	0.8	7.5					
1611	01840-111U-RES	315199.2	6258042.9	23 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		01840	U	111	NCA07	61	56	55	44	0.4	0.26	7.5					
1612	01840-144D-RES	315078.8	6258272.2	1 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01840	D	144	NCA07	61	56	55	44	0.4	0.26	7.5					
1613	01840-022U-RES	315156.8	6258121.9	102 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01840	U	22	NCA07	61	56	55	44	0.4	0.26	7.5					
1614	01845-116D-RES	315095.1	6258249.8	118 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01845	D	116	NCA07	61	56	55	44	0.4	0.26	7.5					
1615	01845-287D-COM	315019.5	6258402.4	124 O'CONNELL STREET, NORTH PARRAMATTA 2151	COM	Commercial		01845	D	287	NCA07	70	70	70	70	0.8	0.8	7.5					
1616	01845-054U-RES	315176.3	6258095.7	29 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		01845	U	54	NCA07	61	56	55	44	0.4	0.26	7.5					
1617	01850-084U-RES	315196.3	6258072.0	25 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		01850	U	84	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1618	01845-093D-RES	315106.6	6258229.8	116 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01845	D	93	NCA07	61	56	55	44	0.4	0.26	7.5					
1619	01850-214D-COM	315055.4	6258339.3	120 O'CONNELL STREET, NORTH PARRAMATTA 2151	COM	Commercial		01850	D	214	NCA07	70	70	70	70	0.8	0.8	7.5					
1620	01850-228D-COM	315049.7	6258352.2	122 O'CONNELL STREET, NORTH PARRAMATTA 2151	COM	Commercial		01850	D	228	NCA07	70	70	70	70	0.8	0.8	7.5					
1621	01850-252D-COM	315036.7	6258372.3	124 O'CONNELL STREET, NORTH PARRAMATTA 2151	COM	Commercial		01850	D	252	NCA07	70	70	70	70	0.8	0.8	7.5					
1622	01850-048D-RES	315133.3	6258193.1	108 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01850	D	48	NCA07	61	56	55	44	0.4	0.26	7.5					
1623	01850-073D-RES	315119.9	6258213.6	112-114 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01850	D	73	NCA07	61	56	55	44	0.4	0.26	7.5					
1624	01855-074U-RES	315194.5	6258082.2	27 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		01855	U	74	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1625	01855-192D-COM	315071.1	6258322.2	4 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01855	D	192	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1626	01855-025D-RES	315149.2	6258174.3	8 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01855	D	25	NCA07	61	56	55	44	0.4	0.26	7.5					
1627	01870-195D-COM	315083.7	6258333.0	6 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01870	D	195	NCA07	70	70	70	70	0.8	0.8	7.5					
1628	01870-030U-RES	315187.0	6258128.8	9A FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01870	U	30	NCA07	61	56	55	44	0.4	0.26	7.5					
1629	01875-148D-RES	315106.8	6258291.0	3 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01875	D	148	NCA07	61	56	55	44	0.4	0.26	7.5					
1630	01875-073D-RES	315144.0	6258226.4	112-114 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01875	D	73	NCA07	61	56	55	44	0.4	0.26	7.5					
1631	01875-095D-RES	315134.0	6258246.1	116 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		01875	D	95	NCA07	61	56	55	44	0.4	0.26	7.5					
1632	01880-030D-RES	315168.0	6258190.1	10 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01880	D	30	NCA07	61	56	55	44	0.4	0.26	7.5					
1633	01895-296D-COM	315057.7	6258432.9	563 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01895	D	296	NCA07	70	70	70	70	0.8	0.8	7.5					
1634	01895-037D-RES	315179.6	6258204.2	16 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01895	D	37	NCA07	61	56	55	44	0.4	0.26	7.5					
1635	01905-129D-COM	315143.9	6258289.7	541 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01905	D	129	NCA07	70	70	70	70	0.8	0.8	7.5					
1636	01905-208D-COM	315105.7	6258358.9	8 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01905	D	208	NCA07	70	70	70	70	0.8	0.8	7.5					
1637	01905-248D-COM	315087.2	6258394.1	557 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01905	D	248	NCA07	70	70	70	70	0.8	0.8	7.5					
1638	01910-153D-COM	315138.7	6258313.6	543 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01910	D	153	NCA07	70	70	70	70	0.8	0.8	7.5					
1639	01915-107D-RES	315162.6	6258274.1	537 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01915	D	107	NCA07	61	56	55	44	0.4	0.26	7.5					
1640	01915-087D-RES	315172.4	6258256.5	535 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01915	D	87	NCA07	61	56	55	44	0.4	0.26	7.5					
1641	01920-032D-RES	315202.5	6258210.5	16 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01920	D	32	NCA07	61	56	55	44	0.4	0.26	7.5					
1642	01920-060D-RES	315189.9	6258235.6	529 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01920	D	60	NCA07	61	56	55	44	0.4	0.26	7.5					
1643	01925-022U-RES	315232.3	6258160.2	519 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	4	01925	U	22	NCA07	61	56	55	44	0.4	0.26	7.5		To be demolished by PLR			
1644	01930-134D-COM	315166.0	6258306.3	541 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01930	D	134	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1645	01935-230D-COM	315164.2	6258408.7	562 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01935	D	230	NCA07	70	70	70	70	0.8	0.8	7.5					
1646	01940-142D-RES	315215.9	6258330.2	544 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01940	D	142	NCA07	61	56	55	44	0.4	0.26	7.5					
1647	01940-152D-RES	315209.9	6258339.3	546 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01940	D	152	NCA07	61	56	55	44	0.4	0.26	7.5					
1648	01940-164D-RES	315202.5	6258350.3	5 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01940	D	164	NCA07	61	56	55	44	0.4	0.26	7.5					
1649	01940-218D-COM	315207.6	6258405.3	10 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01940	D	218	NCA07	70	70	70	70	0.8	0.8	7.5					
1650	01940-264D-COM	315203.2	6258451.1	562 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01940	D	264	NCA07	70	70	70	70	0.8	0.8	7.5					
1651	01945-100D-RES	315246.5	6258289.7	534 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01945	D	100	NCA07	61	56	55	44	0.4	0.26	7.5					
1652	01945-124D-RES	315230.5	6258313.3	540-542 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01945	D	124	NCA07	61	56	55	44	0.4	0.26	7.5					
1653	01945-164D-RES	315242.7	6258354.0	7 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01945	D	164	NCA07	61	56	55	44	0.4	0.26	7.5					
1654	01945-226D-COM	315225.5	6258415.3	12B DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	226	NCA07	70	70	70	70	0.8	0.8	7.5					
1655	01945-232D-COM	315239.5	6258421.9	14 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	232	NCA07	70	70	70	70	0.8	0.8	7.5					
1656	01945-238D-COM	315249.5	6258427.8	16 DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	238	NCA07	70	70	70	70	0.8	0.8	7.5					
1657	01945-262D-COM	315231.4	6258451.9	23 CASTLE STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	262	NCA07	70	70	70	70	0.8	0.8	7.5					
1658	01945-280D-COM	315217.1	6258469.4	25 CASTLE STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	280	NCA07	70	70	70	70	0.8	0.8	7.5					
1659	01950-176D-RES	315265.7	6258364.2	9 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01950	D	176	NCA07	61	56	55	44	0.4	0.26	7.5					
1660	01950-193D-RES	315290.5	6258377.5	13 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01950	D	193	NCA07	61	56	55	44	0.4	0.26	7.5					
1661	01950-240D-RES	315268.2	6258428.0	18 DUNLOP STREET, NORTH PARRAMATTA 2151	RES	Residential		01950	D	240	NCA07	61	56	55	44	0.4	0.26	7.5					
1662	01950-255D-COM	315259.9	6258444.6	21B CASTLE STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	255	NCA07	70	70	70	70	0.8	0.8	7.5					
1663	01950-267D-COM	315306.0	6258449.3	3 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	267	NCA07	70	70	70	70	0.8	0.8	7.5					
1664	01950-271D-COM	315302.1	6258454.9	3 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	271	NCA07	70	70	70	70	0.8	0.8	7.5					
1665	01950-279D-COM	315300.3	6258463.3	5 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	279	NCA07	70	70	70	70	0.8	0.8	7.5					
1666	01950-289D-COM	315297.7	6258473.4	9 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	289	NCA07	70	70	70	70	0.8	0.8	7.5					
1667	01950-296D-COM	315290.8	6258482.2	13 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01950	D	296	NCA07	70	70	70	70	0.8	0.8	7.5					
1668	01950-082D-RES	315256.5	6258271.2	532 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01950	D	82	NCA07	61	56	55	44	0.4	0.26	7.5					
1669	01955-137D-RES	315305.2	6258314.1	17 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		01955	D	137	NCA07	61	56	55	44	0.4	0.26	7.5					
1670	01955-148D-RES	315297.4	6258328.4	19 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		01955	D	148	NCA07	61	56	55	44	0.4	0.26	7.5					
1671	01955-159D-RES	315289.5	6258342.2	21 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		01955	D	159	NCA07	61	56	55	44	0.4	0.26	7.5					
1672	01955-261D-COM	315309.1	6258442.4	3 IRON STREET, NORTH PARRAMATTA 2151	COM	Commercial		01955	D	261	NCA07	70	70	70	70	0.8	0.8	7.5					
1673	01955-287D-RES	315349.6	6258457.9	10 IRON STREET, NORTH PARRAMATTA 2151	RES	Residential		01955	D	287	NCA07	61	56	55	44	0.4	0.26	7.5					
1674	01955-041D-COM	315266.2	6258226.3	526 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial	1	01955	D	41	NCA07	70	70	70	70	0.8	0.8	7.5					
1675	01955-071D-RES	315263.8	6258257.7	530 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		01955	D	71	NCA07	61	56	55	44	0.4	0.26	7.5					
1676	00195-064U-RES	313858.2	6257460.8	1 ASHLEY LANE, WESTMEAD 2145	RES	Residential		00195	U	64	NCA03	61	56	53	48	0.4	0.26	7.5					
1677	01960-128D-RES	315313.1	6258300.3	15 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	128	NCA07	61	56	55	44	0.4	0.26	7.5					
1678	01960-229D-RES	315374.6	6258381.8	2 IRON STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	229	NCA07	61	56	55	44	0.4	0.26	7.5					
1679	01960-242D-RES	315372.4	6258397.7	2 IRON STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	242	NCA07	61	56	55	44	0.4	0.26	7.5					
1680	01960-248D-RES	315359.7	6258411.1	6 IRON STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	248	NCA07	61	56	55	44	0.4	0.26	7.5					
1681	01960-259D-RES	315357.8	6258423.9	8 IRON STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	259	NCA07	61	56	55	44	0.4	0.26	7.5					
1682	01960-264D-RES	315381.4	6258417.7	1B WILLIAM STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	264	NCA07	61	56	55	44	0.4	0.26	7.5					
1683	01960-087D-RES	315301.8	6258259.7	20 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential		01960	D	87	NCA07	61	56	55	44	0.4	0.26	7.5					
1684	01965-104D-RES	315318.7	6258268.2	22 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	104	NCA07	61	56	55	44	0.4	0.26	7.5					
1685	01965-123D-RES	315336.1	6258279.1	24 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	123	NCA07	61	56	55	44	0.4	0.26	7.5					
1686	01965-219D-RES	315386.0	6258362.3	2 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	219	NCA07	61	56	55	44	0.4	0.26	7.5					
1687	01965-245D-RES	315423.3	6258365.0	12 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	245	NCA07	61	56	55	44	0.4	0.26	7.5					
1688	01965-278D-RES	315417.5	6258412.0	3 WILLIAM STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	278	NCA07	61	56	55	44	0.4	0.26	7.5					
1689	01965-298D-RES	315454.5	6258408.3	9 WILLIAM STREET, NORTH PARRAMATTA 2151	RES	Residential		01965	D	298	NCA07	61	56	55	44	0.4	0.26	7.5					
1690	01970-260D-RES	315450.5	6258360.0	16 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01970	D	260	NCA07	61	56	55	44	0.4	0.26	7.5					
1691	01970-272D-RES	315466.5	6258359.9	18 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01970	D	272	NCA07	61	56	55	44	0.4	0.26	7.5					
1692	01975-283D-RES	315481.8	6258359.2	20 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01975	D	283	NCA07	61	56	55	44	0.4	0.26	7.5					
1693	01975-295D-RES	315497.0	6258360.0	22 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01975	D	295	NCA07	61	56	55	44	0.4	0.26	7.5					
1694	01980-122D-RES	315377.4	6258225.8	13 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		01980	D	122	NCA07	61	56	55	44	0.4	0.26	7.5					
1695	01985-071D-RES	315333.3	6258201.5	13 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential		01985	D	71	NCA07	61	56	55	44	0.4	0.26	7.5					
1696	01985-092D-RES	315350.9	6258211.4	17 FACTORY STREET, NORTH PARRAMATTA 2151	RES	Residential		01985	D	92	NCA07	61	56	55	44	0.4	0.26	7.5					
1697	01990-049D-RES	315316.9	6258184.2	518 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	01990	D	49	NCA07	61	56	55	44	0.4	0.26	7.5					
1698	02010-124D-RES	315392.7	6258199.8	7 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		02010	D	124	NCA07	61	56	55	44	0.4	0.26	7.5					
1699	02015-025U-COM	315255.9	6258130.1	509 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial	1	02015	U	25	NCA07	70	70	70	70	0.8	0.8	7.5					
1700	02015-050U-RES	315233.7	6258118.3	32 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02015	U	50	NCA07	61	56	55	44	0.4	0.26	7.5					
1701	02035-057U-RES	315236.8	6258097.4	30 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02035	U	57	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1702	02025-125D-RES	315400.6	6258186.1	5 CASTLE STREET, NORTH PARRAMATTA 2151	RES	Residential		02025	D	125	NCA07	61	56	55	44	0.4	0.26	7.5					
1703	02035-041D-RES	315328.3	6258142.4	504-516 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02035	D	41	NCA07	61	56	55	44	0.4	0.26	7.5					
1704	02045-033U-RES	315264.0	6258095.5	501-507 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02045	U	33	NCA07	61	56	55	44	0.4	0.26	7.5					
1705	02045-082D-RES	315371.5	6258148.5	504-516 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		02045	D	82	NCA07	61	56	55	44	0.4	0.26	7.5					
1706	02050-126D-RES	315411.4	6258165.9	504-516 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential		02050	D	126	NCA07	61	56	55	44	0.4	0.26	7.5					
1707	02050-059U-RES	315242.8	6258080.0	28 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02050	U	59	NCA07	61	56	55	44	0.4	0.26	7.5					
1708	00205-207U-RES	313977.1	6257380.6	21 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00205	U	207	NCA03	61	56	53	48	0.4	0.26	7.5					
1709	00205-029U-RES	313837.4	6257490.4	163B-171B HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	4	00205	U	29	NCA03	61	56	53	48	0.4	0.26	7.5			Mixed use - LVL2-4 RES		
1710	02055-035D-RES	315333.8	6258118.1	504-516 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02055	D	35	NCA07	61	56	55	44	0.4	0.26	7.5					
1711	00020-055U-COM	313775.3	6257318.9	24 RAILWAY PARADE, WESTMEAD 2145	COM	Commercial		00020	U	55	NCA03	70	70	70	70	0.8	0.8	7.5					
1712	00205-098U-RES	313890.7	6257446.2	30 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00205	U	98	NCA03	61	56	53	48	0.4	0.26	7.5					
1713	02065-062U-RES	315244.4	6258069.8	26 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02065	U	62	NCA07	61	56	55	44	0.4	0.26	7.5					
1714	02075-035U-RES	315272.9	6258072.1	499 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02075	U	35	NCA07	61	56	55	44	0.4	0.26	7.5					
1715	02075-063U-RES	315247.9	6258059.9	24 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02075	U	63	NCA07	61	56	55	44	0.4	0.26	7.5					
1716	02080-041D-RES	315349.8	6258096.0	504-516 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02080	D	41	NCA07	61	56	55	44	0.4	0.26	7.5					
1717	02085-065U-RES	315249.7	6258050.2	22 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02085	U	65	NCA07	61	56	55	44	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1718	02095-037U-RES	315278.1	6258054.5	497 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02095	U	37	NCA07	61	56	55	44	0.4	0.26	7.5					
1719	02115-018U-RES	315303.1	6258042.3	495 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	1	02115	U	18	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1720	02105-069U-RES	315253.5	6258031.5	18 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02105	U	69	NCA07	61	56	55	44	0.4	0.26	7.5					
1721	02110-121U-RES	315205.3	6258009.9	17 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02110	U	121	NCA07	61	56	55	44	0.4	0.26	7.5					
1722	02125-125U-RES	315207.2	6257995.3	15 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02125	U	125	NCA07	61	56	55	44	0.4	0.26	7.5					
1723	02125-029U-RES	315297.0	6258028.7	493 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	1	02125	U	29	NCA07	61	56	55	44	0.4	0.26	7.5					
1724	02125-070U-RES	315258.1	6258015.3	16 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02125	U	70	NCA07	61	56	55	44	0.4	0.26	7.5					
1725	02140-044U-RES	315288.1	6258009.3	491 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02140	U	44	NCA07	61	56	55	44	0.4	0.26	7.5					
1726	02150-132U-RES	315210.5	6257967.9	9 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02150	U	132	NCA07	61	56	55	44	0.4	0.26	7.5					
1727	02150-166U-RES	315179.2	6257954.3	82 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02150	U	166	NCA07	61	56	55	44	0.4	0.26	7.5					
1728	02150-028U-RES	315307.1	6258005.9	491 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02150	U	28	NCA07	61	56	55	44	0.4	0.26	7.5					
1729	00215-138U-RES	313927.7	6257429.4	26 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00215	U	138	NCA03	61	56	53	48	0.4	0.26	7.5					
1730	02160-075U-RES	315266.9	6257979.7	10-14 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02160	U	75	NCA07	61	56	55	44	0.4	0.26	7.5					
1731	02165-051U-RES	315290.2	6257984.7	487 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02165	U	51	NCA07	61	56	55	44	0.4	0.26	7.5					
1732	02170-169U-RES	315183.3	6257936.4	80 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02170	U	169	NCA07	61	56	55	44	0.4	0.26	7.5					
1733	02175-129U-RES	315222.2	6257945.9	7 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02175	U	129	NCA07	61	56	55	44	0.4	0.26	7.5					
1734	02175-285D-RES	315612.3	6258095.7	22 PENNANT HILLS ROAD, NORTH PARRAMATTA 2151	RES	Residential	3	02175	D	285	NCA07	61	56	55	44	0.4	0.26	7.5					
1735	02180-037U-RES	315310.3	6257972.1	487 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02180	U	37	NCA07	61	56	55	44	0.4	0.26	7.5					
1736	02180-063D-PRC	315406.0	6258013.4	1 Pennant Hills Rd, North Paramatta 2151	PRC	Passive Recreation	1	02180	D	63	NCA07	60	60	60	60	n/a	n/a	2.5	Heritage		St. Patrick's Roman Catholic Cemetery		
1737	02185-133U-RES	315222.1	6257934.4	5 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02185	U	133	NCA07	61	56	55	44	0.4	0.26	7.5					
1738	02190-270D-RES	315603.8	6258076.1	20 PENNANT HILLS ROAD, NORTH PARRAMATTA 2151	RES	Residential	3	02190	D	270	NCA07	61	56	55	44	0.4	0.26	7.5					
1739	02195-041U-RES	315312.5	6257957.2	8 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential	4	02195	U	41	NCA07	61	56	55	44	0.4	0.26	7.5					
1740	00220-203U-RES	313983.5	6257393.9	23 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00220	U	203	NCA03	61	56	53	48	0.4	0.26	7.5					
1741	00220-242U-RES	314013.2	6257370.1	18 ALFRED STREET, WESTMEAD 2145	RES	Residential		00220	U	242	NCA03	61	56	53	48	0.4	0.26	7.5					
1742	02205-140U-RES	315222.2	6257914.4	1 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02205	U	140	NCA07	61	56	55	44	0.4	0.26	7.5					
1743	02205-083U-RES	315275.2	6257935.9	6 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02205	U	83	NCA07	61	56	55	44	0.4	0.26	7.5					
1744	02225-163U-RES	315208.4	6257887.8	22 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02225	U	163	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1745	02210-174U-RES	315192.3	6257898.1	78 O'CONNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02210	U	174	NCA07	61	56	55	44	0.4	0.26	7.5					
1746	02210-039U-RES	315320.0	6257943.7	8 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential	4	02210	U	39	NCA07	61	56	55	44	0.4	0.26	7.5					
1747	02230-152U-RES	315220.9	6257886.1	24 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02230	U	152	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1748	02215-223D-RES	315568.4	6258037.8	18 PENNANT HILLS ROAD, NORTH PARRAMATTA 2151	RES	Residential	3	02215	D	223	NCA07	61	56	55	44	0.4	0.26	7.5					
1749	02225-082U-RES	315283.7	6257917.3	4 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02225	U	82	NCA07	61	56	55	44	0.4	0.26	7.5					
1750	02230-199D-RES	315551.6	6258015.1	16 PENNANT HILLS ROAD, NORTH PARRAMATTA 2151	RES	Residential	3	02230	D	199	NCA07	61	56	55	44	0.4	0.26	7.5					
1751	02245-208U-RES	315174.9	6257849.7	74 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02245	U	208	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1752	02240-141U-RES	315233.8	6257882.6	26 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02240	U	141	NCA07	61	56	55	44	0.4	0.26	7.5					
1753	02240-032U-RES	315336.2	6257919.1	4 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02240	U	32	NCA07	61	56	55	44	0.4	0.26	7.5					
1754	02260-216U-RES	315172.3	6257833.2	72 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02260	U	216	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1755	02245-247D-COM	315600.7	6258019.3	83-85 SORRELL STREET, NORTH PARRAMATTA 2151	COM	Commercial		02245	D	247	NCA07	70	70	70	70	0.8	0.8	7.5					
1756	02245-089U-RES	315284.0	6257896.8	2 GALLOWAY STREET, NORTH PARRAMATTA 2151	RES	Residential		02245	U	89	NCA07	61	56	55	44	0.4	0.26	7.5					
1757	02265-080U-RES	315300.4	6257881.1	30-32 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02265	U	80	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1758	02260-103U-RES	315276.7	6257877.6	28 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02260	U	103	NCA07	61	56	55	44	0.4	0.26	7.5					
1759	02275-029U-RES	315351.0	6257890.0	465-473 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02275	U	29	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1760	02275-089U-RES	315296.4	6257864.4	30-32 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02275	U	89	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1761	02265-199D-RES	315563.7	6257983.4	6 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02265	D	199	NCA07	61	56	55	44	0.4	0.26	7.5					
1762	02265-299D-RES	315656.4	6258021.2	70 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02265	D	299	NCA07	61	56	55	44	0.4	0.26	7.5					
1763	02270-291D-RES	315651.5	6258011.3	68A SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02270	D	291	NCA07	61	56	55	44	0.4	0.26	7.5					
1764	02270-057U-RES	315324.0	6257882.2	32A ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02270	U	57	NCA07	61	56	55	44	0.4	0.26	7.5					
1765	02285-076U-RES	315311.1	6257864.1	30-32 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02285	U	76	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1766	02275-172D-RES	315542.4	6257963.7	6 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential	3	02275	D	172	NCA07	61	56	55	44	0.4	0.26	7.5					
1767	02275-189U-RES	315202.9	6257831.2	11 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02275	U	189	NCA07	61	56	55	44	0.4	0.26	7.5					
1768	02280-232D-RES	315600.3	6257979.9	79 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02280	D	232	NCA07	61	56	55	44	0.4	0.26	7.5					
1769	02290-165U-RES	315230.2	6257825.2	13 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02290	U	165	NCA07	61	56	55	44	0.4	0.26	7.5					
1770	02290-200D-RES	315574.4	6257960.0	8 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02290	D	200	NCA07	61	56	55	44	0.4	0.26	7.5					
1771	02290-230U-RES	315170.3	6257800.9	64 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02290	U	230	NCA07	61	56	55	44	0.4	0.26	7.5					
1772	02290-093D-RES	315475.2	6257919.0	1 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential	4	02290	D	93	NCA07	61	56	55	44	0.4	0.26	7.5					
1773	02295-222D-RES	315596.6	6257962.8	77 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02295	D	222	NCA07	61	56	55	44	0.4	0.26	7.5					
1774	02295-023U-RES	315364.7	6257872.4	465-473 CHURCH STREET, NORTH PARRAMATTA 2151	RES	Residential	2	02295	U	23	NCA07	61	56	55	44	0.4	0.26	7.5					
1775	02295-280D-RES	315650.5	6257984.4	68 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02295	D	280	NCA07	61	56	55	44	0.4	0.26	7.5					
1776	00230-297U-RES	314062.4	6257343.6	15 ALFRED STREET, WESTMEAD 2145	RES	Residential		00230	U	297	NCA03	61	56	53	48	0.4	0.26	7.5					
1777	02310-112U-EDU	315287.0	6257825.9	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02310	U	112	NCA07	55	55	55	55	0.8	0.8	7.5					
1778	02310-118D-RES	315504.2	6257912.5	9 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02310	D	118	NCA07	61	56	55	44	0.4	0.26	7.5					
1779	02310-215D-RES	315594.4	6257947.8	75 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02310	D	215	NCA07	61	56	55	44	0.4	0.26	7.5					
1780	02310-027U-CHC	315366.9	6257856.7	465-473 CHURCH STREET, NORTH PARRAMATTA 2151	CHC	Childcare	2	02310	U	27	NCA07	50	50	50	50	0.4	0.4	7.5					
1781	02320-117D-RES	315510.4	6257892.7	9 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02320	D	117	NCA07	61	56	55	44	0.4	0.26	7.5					
1782	02320-141D-RES	315532.5	6257901.8	11 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02320	D	141	NCA07	61	56	55	44	0.4	0.26	7.5					
1783	02320-253D-RES	315637.2	6257944.0	10 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02320	D	253	NCA07	61	56	55	44	0.4	0.26	7.5					
1784	02320-270D-RES	315654.0	6257945.4	12A ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02320	D	270	NCA07	61	56	55	44	0.4	0.26	7.5					
1785	02325-159D-RES	315552.5	6257899.5	17 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02325	D	159	NCA07	61	56	55	44	0.4	0.26	7.5					
1786	02325-284D-RES	315670.6	6257939.0	14 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02325	D	284	NCA07	61	56	55	44	0.4	0.26	7.5					
1787	02330-044D-RES	315443.7	6257861.8	34 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential	14	02330	D	44	NCA07	61	56	55	44	0.4	0.26	7.5					
1788	02335-186D-RES	315582.0	6257894.9	21 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02335	D	186	NCA07	61	56	55	44	0.4	0.26	7.5					
1789	02335-239D-RES	315633.3	6257906.9	66 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02335	D	239	NCA07	61	56	55	44	0.4	0.26	7.5					
1790	02335-069D-RES	315468.9	6257865.8	36 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02335	D	69	NCA07	61	56	55	44	0.4	0.26	7.5					
1791	02340-242D-RES	315640.2	6257892.8	64 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02340	D	242	NCA07	61	56	55	44	0.4	0.26	7.5					
1792	02340-257D-RES	315653.0	6257903.3	23 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02340	D	257	NCA07	61	56	55	44	0.4	0.26	7.5					
1793	02345-073U-EDU	315329.5	6257820.0	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02345	U	73	NCA07	55	55	55	55	0.8	0.8	7.5					
1794	02350-107D-RES	315509.9	6257854.7	38 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02350	D	107	NCA07	61	56	55	44	0.4	0.26	7.5					
1795	02350-123D-RES	315527.2	6257852.6	40 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02350	D	123	NCA07	61	56	55	44	0.4	0.26	7.5					
1796	02350-142D-RES	315546.5	6257855.1	44 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02350	D	142	NCA07	61	56	55	44	0.4	0.26	7.5					
1797	02350-238D-RES	315639.4	6257880.0	62 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02350	D	238	NCA07	61	56	55	44	0.4	0.26	7.5					
1798	02350-269D-RES	315669.7	6257883.2	25 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02350	D	269	NCA07	61	56	55	44	0.4	0.26	7.5					
1799	00235-112U-RES	313921.4	6257463.4	28 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00235	U	112	NCA03	61	56	53	48	0.4	0.26	7.5					
1800	02355-160D-RES	315565.3	6257848.8	50 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02355	D	160	NCA07	61	56	55	44	0.4	0.26	7.5					
1801	02355-183D-RES	315586.7	6257858.3	65 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02355	D	183	NCA07	61	56	55	44	0.4	0.26	7.5					
1802	02355-234D-RES	315637.6	6257867.7	60 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02355	D	234	NCA07	61	56	55	44	0.4	0.26	7.5					
1803	02360-030U-RES	315374.6	6257814.6	449 CHURCH STREET, PARRAMATTA 2150	RES	Residential	14	02360	U	30	NCA07	61	56	55	44	0.4	0.26	7.5					
1804	02360-082U-EDU	315323.4	6257807.6	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02360	U	82	NCA07	55	55	55	55	0.8	0.8	7.5					
1805	02365-108U-EDU	315298.0	6257800.8	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02365	U	108	NCA07	55	55	55	55	0.8	0.8	7.5					
1806	02370-173D-RES	315581.7	6257827.5	63 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02370	D	173	NCA07	61	56	55	44	0.4	0.26	7.5					
1807	02370-216D-RES	315623.1	6257838.1	58 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02370	D	216	NCA07	61	56	55	44	0.4	0.26	7.5					
1808	02370-235D-RES	315642.8	6257834.9	52 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02370	D	235	NCA07	61	56	55	44	0.4	0.26	7.5					
1809	02370-272D-RES	315678.6	6257847.0	54-56 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02370	D	272	NCA07	61	56	55	44	0.4	0.26	7.5					
1810	02370-297D-RES	315704.7	6257839.6	58A ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02370	D	297	NCA07	61	56	55	44	0.4	0.26	7.5					
1811	02380-150U-EDU	315256.1	6257792.3	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02380	U	150	NCA07	55	55	55	55	0.8	0.8	7.5					
1812	02400-228U-RES	315179.7	6257769.5	2 Harold St, Paramatta 2150	RES	Residential	1	02400	U	228	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1813	02395-247U-RES	315160.2	6257772.0	62 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02395	U	247	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1814	02380-291D-RES	315700.5	6257814.5	58 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02380	D	291	NCA07	61	56	55	44	0.4	0.26	7.5					
1815	02380-060U-EDU	315345.9	6257796.4	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02380	U	60	NCA07	55	55	55	55	0.8	0.8	7.5					
1816	02385-208U-RES	315199.2	6257782.4	4 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02385	U	208	NCA07	61	56	55	44	0.4	0.26	7.5					
1817	02385-043D-RES	315452.7	6257795.3	15B ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential	8	02385	D	43	NCA07	61	56	55	44	0.4	0.26	7.5					
1818	02390-186U-RES	315220.5	6257778.8	8 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02390	U	186	NCA07	61	56	55	44	0.4	0.26	7.5					
1819	02390-092U-EDU	315315.1	6257784.8	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02390	U	92	NCA07	55	55	55	55	0.8	0.8	7.5					
1820	02395-108D-RES	315518.9	6257792.8	17 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02395	D	108	NCA07	61	56	55	44	0.4	0.26	7.5					
1821	02400-153D-RES	315563.4	6257789.7	59-61 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02400	D	153	NCA07	61	56	55	44	0.4	0.26	7.5					
1822	02405-222D-RES	315632.6	6257784.9	56 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02405	D	222	NCA07	61	56	55	44	0.4	0.26	7.5					
1823	02410-030U-RES	315378.2	6257767.6	459 CHURCH STREET, PARRAMATTA 2150	RES	Residential	5	02410	U	30	NCA07	61	56	55	44	0.4	0.26	7.5					
1824	02415-104D-RES	315516.0	6257770.2	17 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02415	D	104	NCA07	61	56	55	44	0.4	0.26	7.5					
1825	02415-157U-EDU	315251.1	6257758.3	15 ALBERT STREET, NORTH PARRAMATTA 2151	EDU	Educational		02415	U	157	NCA07	55	55	55	55	0.8	0.8	7.5					
1826	02420-149D-RES	315561.0	6257765.8	55-57 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02420	D	149	NCA07	61	56	55	44	0.4	0.26	7.5					
1827	02420-216D-RES	315627.6	6257769.8	54 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02420	D	216	NCA07	61	56	55	44	0.4	0.26	7.5					
1828	02425-257D-RES	315669.1	6257762.8	19-21 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02425	D	257	NCA07	61	56	55	44	0.4	0.26	7.5					
1829	02425-029D-RES	315441.4	6257755.9	478 CHURCH STREET, PARRAMATTA 2150	RES	Residential	6	02425	D	29	NCA07	61	56	55	44	0.4	0.26	7.5					
1830	02430-284D-RES	315696.0	6257758.9	23-25 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02430	D	284	NCA07	61	56	55	44	0.4	0.26	7.5					
1831	02430-064D-RES	315476.7	6257752.6	18 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02430	D	64	NCA07	61	56	55	44	0.4	0.26	7.5					
1832	02440-215D-RES	315627.6	6257746.7	54 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02440	D	215	NCA07	61	56	55	44	0.4	0.26	7.5					
1833	02440-252U-RES	315156.6	6257734.5	60 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02440	U	252	NCA07	61	56	55	44	0.4	0.26	7.5					
1834	02445-100D-RES	315512.9	6257738.2	20 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02445	D	100	NCA07	61	56	55	44	0.4	0.26	7.5					
1835	02445-220U-RES	315188.7	6257732.4	1 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02445	U	220	NCA07	61	56	55	44	0.4	0.26	7.5					
1836	02450-143D-RES	315555.8	6257731.6	26-30 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02450	D	143	NCA07	61	56	55	44	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1837	02450-231U-RES	315177.1	6257731.1	60 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02450	U	231	NCA07	61	56	55	44	0.4	0.26	7.5					
1838	02450-025D-COM	315438.1	6257729.4	476 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02450	D	25	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1839	00245-140U-RES	313946.7	6257450.4	22-26 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00245	U	140	NCA03	61	56	53	48	0.4	0.26	7.5					
1840	02475-103U-COM	315305.2	6257708.2	15 HAROLD STREET, PARRAMATTA 2150	COM	Commercial		02475	U	103	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1841	02460-195U-RES	315213.1	6257722.1	5 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02460	U	195	NCA07	61	56	55	44	0.4	0.26	7.5					
1842	02460-205U-RES	315203.2	6257723.7	3 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02460	U	205	NCA07	61	56	55	44	0.4	0.26	7.5					
1843	02460-246D-RES	315659.3	6257716.8	32-36 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02460	D	246	NCA07	61	56	55	44	0.4	0.26	7.5					
1844	02465-227D-RES	315639.8	6257711.8	54 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02465	D	227	NCA07	61	56	55	44	0.4	0.26	7.5					
1845	02465-252U-RES	315156.4	6257718.2	58 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02465	U	252	NCA07	61	56	55	44	0.4	0.26	7.5					
1846	02465-291D-RES	315703.3	6257710.6	38-40 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02465	D	291	NCA07	61	56	55	44	0.4	0.26	7.5					
1847	02475-123U-COM	315284.9	6257705.1	13 HAROLD STREET, PARRAMATTA 2150	COM	Commercial		02475	U	123	NCA07	70	70	70	70	0.8	0.8	7.5					
1848	02475-149U-RES	315259.0	6257707.9	9-11 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02475	U	149	NCA07	61	56	55	44	0.4	0.26	7.5					
1849	02480-019U-COM	315388.7	6257701.3	439-441 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02480	U	19	NCA07	70	70	70	70	0.8	0.8	7.5			To be demolished by PLR		
1850	02480-263U-RES	315145.3	6257704.4	56 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02480	U	263	NCA07	61	56	55	44	0.4	0.26	7.5					
1851	02480-047U-COM	315361.4	6257703.2	17 HAROLD STREET, PARRAMATTA 2150	COM	Commercial	1	02480	U	47	NCA07	70	70	70	70	0.8	0.8	7.5			To be demolished by PLR		
1852	02485-202U-RES	315205.5	6257699.8	9 TROTT STREET, PARRAMATTA 2150	RES	Residential		02485	U	202	NCA07	61	56	55	44	0.4	0.26	7.5					
1853	02490-024U-COM	315384.2	6257692.2	435 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02490	U	24	NCA07	70	70	70	70	0.8	0.8	7.5			To be demolished by PLR		
1854	02490-036D-COM	315447.9	6257688.8	470 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	5	02490	D	36	NCA07	70	70	70	70	0.8	0.8	7.5					
1855	02495-147D-RES	315558.7	6257680.0	53 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02495	D	147	NCA07	61	56	55	44	0.4	0.26	7.5					
1856	02495-177U-RES	315230.4	6257688.1	7 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02495	U	177	NCA07	61	56	55	44	0.4	0.26	7.5					
1857	02520-274U-RES	315133.1	6257666.1	2C FENNELL STREET, PARRAMATTA 2150	RES	Residential		02520	U	274	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1858	02500-079D-RES	315491.2	6257678.6	23 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02500	D	79	NCA07	61	56	55	44	0.4	0.26	7.5					
1859	02500-093D-RES	315505.1	6257677.5	25 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02500	D	93	NCA07	61	56	55	44	0.4	0.26	7.5					
1860	00250-194U-RES	313994.9	6257422.7	18 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00250	U	194	NCA03	61	56	53	48	0.4	0.26	7.5					
1861	02505-109D-RES	315520.8	6257675.2	27 HAROLD STREET, PARRAMATTA 2150	RES	Residential		02505	D	109	NCA07	61	56	55	44	0.4	0.26	7.5					
1862	02505-132U-RES	315275.6	6257676.5	17 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02505	U	132	NCA07	61	56	55	44	0.4	0.26	7.5					
1863	02505-144U-RES	315263.5	6257678.5	17 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02505	U	144	NCA07	61	56	55	44	0.4	0.26	7.5					
1864	02505-195D-RES	315607.0	6257671.2	52 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02505	D	195	NCA07	61	56	55	44	0.4	0.26	7.5					
1865	02520-259U-RES	315147.7	6257665.2	4 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02520	U	259	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1866	02510-014U-COM	315393.6	6257669.4	435 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02510	U	14	NCA07	70	70	70	70	0.8	0.8	7.5			To be demolished by PLR		
1867	02510-227U-RES	315180.7	6257673.3	8 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02510	U	227	NCA07	61	56	55	44	0.4	0.26	7.5					
1868	00025-106U-RES	313824.4	6257302.7	21 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	106	NCA03	61	56	53	48	0.4	0.26	7.5					
1869	02515-145D-RES	315557.2	6257662.6	51A SORRELL STREET, PARRAMATTA 2150	RES	Residential		02515	D	145	NCA07	61	56	55	44	0.4	0.26	7.5					
1870	02515-183D-RES	315595.2	6257663.3	50 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02515	D	183	NCA07	61	56	55	44	0.4	0.26	7.5					
1871	00025-193U-RES	313901.7	6257262.2	14 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	193	NCA03	61	56	53	48	0.4	0.26	7.5					
1872	02520-105U-RES	315301.8	6257660.4	17 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02520	U	105	NCA07	61	56	55	44	0.4	0.26	7.5					
1873	02520-199D-RES	315610.9	6257657.6	50 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02520	D	199	NCA07	61	56	55	44	0.4	0.26	7.5					
1874	02520-212U-RES	315195.6	6257664.2	10 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02520	U	212	NCA07	61	56	55	44	0.4	0.26	7.5					
1875	02520-242U-RES	315165.2	6257666.9	6 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02520	U	242	NCA07	61	56	55	44	0.4	0.26	7.5					
1876	00025-021U-MED	313748.3	6257340.2	27 RAILWAY PARADE, WESTMEAD 2145	MED	Medical	1	00025	U	21	NCA03	65	65	65	65	0.8	0.8	7.5					
1877	00025-220U-RES	313925.7	6257250.7	10 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	220	NCA03	61	56	53	48	0.4	0.26	7.5					
1878	00025-247U-RES	313949.7	6257237.7	5 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	247	NCA03	61	56	53	48	0.4	0.26	7.5					
1879	02525-136D-RES	315547.8	6257651.3	51 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02525	D	136	NCA07	61	56	55	44	0.4	0.26	7.5					
1880	02525-222D-RES	315633.8	6257653.1	29 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02525	D	222	NCA07	61	56	55	44	0.4	0.26	7.5					
1881	02525-241D-RES	315652.9	6257649.7	31 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02525	D	241	NCA07	61	56	55	44	0.4	0.26	7.5					
1882	02525-255D-RES	315666.7	6257648.9	33 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02525	D	255	NCA07	61	56	55	44	0.4	0.26	7.5					
1883	00025-260U-RES	313961.9	6257232.2	4 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	260	NCA03	61	56	53	48	0.4	0.26	7.5					
1884	00025-279U-RES	313978.3	6257223.3	3 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	279	NCA03	61	56	53	48	0.4	0.26	7.5					
1885	00025-298U-RES	313995.0	6257214.9	2 RAILWAY PARADE, WESTMEAD 2145	RES	Residential		00025	U	298	NCA03	61	56	53	48	0.4	0.26	7.5					
1886	02530-179U-RES	315228.2	6257655.4	14 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02530	U	179	NCA07	61	56	55	44	0.4	0.26	7.5					
1887	02530-189U-RES	315217.8	6257653.0	12 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02530	U	189	NCA07	61	56	55	44	0.4	0.26	7.5					
1888	02530-269D-RES	315680.7	6257646.9	35 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02530	D	269	NCA07	61	56	55	44	0.4	0.26	7.5					
1889	02530-286D-RES	315697.3	6257643.5	37 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02530	D	286	NCA07	61	56	55	44	0.4	0.26	7.5					
1890	02530-008U-COM	315398.6	6257648.6	431 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02530	U	8	NCA07	70	70	70	70	0.8	0.8	7.5		Parramatta Council Carpark	To be demolished by PLR		
1891	02535-138U-RES	315269.2	6257650.1	22 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02535	U	138	NCA07	61	56	55	44	0.4	0.26	7.5					
1892	02535-155U-RES	315251.6	6257649.4	18 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02535	U	155	NCA07	61	56	55	44	0.4	0.26	7.5					
1893	02535-167U-RES	315240.3	6257650.0	16 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02535	U	167	NCA07	61	56	55	44	0.4	0.26	7.5					
1894	02535-188D-RES	315599.5	6257643.3	46-48 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02535	D	188	NCA07	61	56	55	44	0.4	0.26	7.5					
1895	02535-039D-COM	315450.5	6257645.3	460-464 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	7	02535	D	39	NCA07	70	70	70	70	0.8	0.8	7.5					
1896	02540-126U-RES	315281.0	6257643.4	24 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02540	U	126	NCA07	61	56	55	44	0.4	0.26	7.5					
1897	02545-133D-RES	315544.2	6257631.4	47 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02545	D	133	NCA07	61	56	55	44	0.4	0.26	7.5					
1898	02545-076D-RES	315487.3	6257632.0	32 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02545	D	76	NCA07	61	56	55	44	0.4	0.26	7.5					
1899	02550-105D-RES	315516.2	6257629.3	34A FENNELL STREET, PARRAMATTA 2150	RES	Residential		02550	D	105	NCA07	61	56	55	44	0.4	0.26	7.5					
1900	02565-268U-RES	315137.9	6257618.7	11 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02565	U	268	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1901	02565-285U-RES	315121.5	6257619.3	9 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02565	U	285	NCA07	61	56	55	44	0.4	0.26	2.5	Heritage				
1902	02550-091D-RES	315502.5	6257630.3	34 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02550	D	91	NCA07	61	56	55	44	0.4	0.26	7.5					
1903	00255-216U-RES	314013.7	6257412.0	16 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00255	U	216	NCA03	61	56	53	48	0.4	0.26	7.5					
1904	00255-230U-RES	314026.6	6257405.8	14 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00255	U	230	NCA03	61	56	53	48	0.4	0.26	7.5					
1905	02565-192D-RES	315602.5	6257611.6	46-48 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02565	D	192	NCA07	61	56	55	44	0.4	0.26	7.5					
1906	02565-196U-CHC	315210.0	6257618.6	19 FENNELL STREET, PARRAMATTA 2150	CHC	Childcare		02565	U	196	NCA07	50	50	50	50	0.4	0.4	7.5					
1907	02570-130D-RES	315541.2	6257607.2	43 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02570	D	130	NCA07	61	56	55	44	0.4	0.26	7.5					
1908	02570-185U-RES	315221.2	6257615.6	21 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02570	U	185	NCA07	61	56	55	44	0.4	0.26	7.5					
1909	02570-248D-RES	315659.1	6257603.3	40 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02570	D	248	NCA07	61	56	55	44	0.4	0.26	7.5					
1910	02575-172U-RES	315234.2	6257608.5	23 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02575	U	172	NCA07	61	56	55	44	0.4	0.26	7.5					
1911	02575-223U-RES	315183.1	6257611.2	17 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02575	U	223	NCA07	61	56	55	44	0.4	0.26	7.5					
1912	02575-248U-RES	315158.6	6257611.3	15 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02575	U	248	NCA07	61	56	55	44	0.4	0.26	7.5					
1913	02575-283D-RES	315693.3	6257599.1	40A FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02575	D	283	NCA07	61	56	55	44	0.4	0.26	7.5					
1914	02580-130U-PoW	315276.2	6257600.2	15 VILLIERS STREET, PARRAMATTA 2150	PoW	Place of Worship		02580	U	130	NCA07	55	55	55	55	0.8	0.8	7.5					
1915	02580-158U-RES	315247.6	6257605.3	25 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02580	U	158	NCA07	61	56	55	44	0.4	0.26	7.5					
1916	02600-042U-COM	315363.2	6257583.2	423 CHURCH STREET, PARRAMATTA 2150	COM	Commercial		02600	U	42	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1917	02585-072U-COM	315333.9	6257596.7	29 FENNELL STREET, PARRAMATTA 2150	COM	Commercial		02585	U	72	NCA07	70	70	70	70	0.8	0.8	7.5					
1918	02585-083U-COM	315323.0	6257598.7	27 FENNELL STREET, PARRAMATTA 2150	COM	Commercial		02585	U	83	NCA07	70	70	70	70	0.8	0.8	7.5					
1919	02590-023D-COM	315432.9	6257588.0	458 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02590	D	23	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1920	02590-059U-COM	315347.3	6257592.2	423 CHURCH STREET, PARRAMATTA 2150	COM	Commercial		02590	U	59	NCA07	70	70	70	70	0.8	0.8	7.5					
1921	02595-278U-COM	315127.8	6257593.2	52 O'CONNELL STREET, PARRAMATTA 2150	COM	Commercial		02595	U	278	NCA07	70	70	70	70	0.8	0.8	7.5					
1922	02595-034D-COM	315444.8	6257585.3	458 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02595	D	34	NCA07	70	70	70	70	0.8	0.8	7.5					
1923	02600-019U-COM	315386.4	6257582.1	423 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02600	U	19	NCA07	70	70	70	70	0.8	0.8	7.5					
1924	00260-244U-RES	314039.6	6257398.7	12 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00260	U	244	NCA03	61	56	53	48	0.4	0.26	7.5					
1925	02605-176D-RES	315585.5	6257566.1	44 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02605	D	176	NCA07	61	56	55	44	0.4	0.26	7.5					
1926	02605-026D-COM	315435.7	6257575.2	456 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02605	D	26	NCA07	70	70	70	70	0.8	0.8	7.5					
1927	02610-123U-RES	315282.1	6257578.3	9 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02610	U	123	NCA07	61	56	55	44	0.4	0.26	7.5					
1928	02610-126D-RES	315535.1	6257560.4	39 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02610	D	126	NCA07	61	56	55	44	0.4	0.26	7.5					
1929	02610-233U-RES	315172.7	6257584.8	5 TROTT STREET, PARRAMATTA 2150	RES	Residential		02610	U	233	NCA07	61	56	55	44	0.4	0.26	7.5					
1930	02615-028D-COM	315437.1	6257564.0	454 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02615	D	28	NCA07	70	70	70	70	0.8	0.8	7.5					
1931	02615-063D-RES	315472.3	6257560.3	33 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02615	D	63	NCA07	61	56	55	44	0.4	0.26	7.5					
1932	02620-179D-RES	315587.7	6257544.9	42 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02620	D	179	NCA07	61	56	55	44	0.4	0.26	7.5					
1933	02620-218D-RES	315626.5	6257544.0	39-43 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02620	D	218	NCA07	61	56	55	44	0.4	0.26	7.5					
1934	02620-086D-RES	315495.0	6257557.1	37 FENNELL STREET, PARRAMATTA 2150	RES	Residential		02620	D	86	NCA07	61	56	55	44	0.4	0.26	7.5					
1935	02625-023U-COM	315381.4	6257556.1	423 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02625	U	23	NCA07	70	70	70	70	0.8	0.8	7.5					
1936	02625-251D-RES	315658.4	6257531.8	45-47 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02625	D	251	NCA07	61	56	55	44	0.4	0.26	7.5					
1937	02625-277D-RES	315684.1	6257529.5	49 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02625	D	277	NCA07	61	56	55	44	0.4	0.26	7.5					
1938	02625-087U-COM	315317.8	6257561.5	423 CHURCH STREET, PARRAMATTA 2150	COM	Commercial		02625	U	87	NCA07	70	70	70	70	0.8	0.8	7.5					
1939	02630-123D-RES	315530.6	6257538.5	35 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02630	D	123	NCA07	61	56	55	44	0.4	0.26	7.5					
1940	02630-141U-RES	315263.6	6257564.2	5-7 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02630	U	141	NCA07	61	56	55	44	0.4	0.26	7.5					
1941	02630-025D-COM	315433.2	6257548.0	452 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02630	D	25	NCA07	70	70	70	70	0.8	0.8	7.5					
1942	02630-297D-RES	315704.2	6257521.7	51 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02630	D	297	NCA07	61	56	55	44	0.4	0.26	7.5					
1943	02635-189D-RES	315595.8	6257527.4	38 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02635	D	189	NCA07	61	56	55	44	0.4	0.26	7.5					
1944	02635-259U-RES	315145.7	6257569.8	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02635	U	259	NCA07	61	56	55	44	0.4	0.26	7.5					
1945	02640-021U-COM	315382.3	6257540.2	415 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02640	U	21	NCA07	70	70	70	70	0.8	0.8	7.5					
1946	02640-232U-RES	315172.8	6257563.8	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02640	U	232	NCA07	61	56	55	44	0.4	0.26	7.5					
1947	02645-128U-RES	315275.1	6257547.6	3 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02645	U	128	NCA07	61	56	55	44	0.4	0.26	7.5					
1948	02645-017D-COM	315423.6	6257535.9	448 Church St, Paramatta 2150	COM	Commercial	2	02645	D	17	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1949	02645-292U-MED	315112.4	6257562.6	50 O'CONNELL STREET, PARRAMATTA 2150	MED	Medical		02645	U	292	NCA07	65	65	65	65	0.8	0.8	7.5					
1950	02665-050U-COM	315351.2	6257521.4	32 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02665	U	50	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1951	02650-026D-COM	315432.2	6257526.1	446 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02650	D	26	NCA07	70	70	70	70	0.8	0.8	7.5					
1952	02655-173D-RES	315577.8	6257510.9	36 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02655	D	173	NCA07	61	56	55	44	0.4	0.26	7.5					
1953	02655-019D-COM	315425.2	6257523.6	446 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02655	D	19	NCA07	70	70	70	70	0.8	0.8	2.5	Heritage				
1954	02655-202U-RES	315201.3	6257543.8	14 GROSE STREET, PARRAMATTA 2150	RES	Residential		02655	U	202	NCA07	61	56	55	44	0.4	0.26	7.5					
1955	02655-021U-COM	315381.1	6257528.3	411 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02655	U	21	NCA07	70	70	70	70	0.8	0.8	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
1956	02655-273U-RES	315129.7	6257550.7	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02655	U	273	NCA07	61	56	55	44	0.4	0.26	7.5					
1957	02660-161U-RES	315241.6	6257535.4	20 GROSE STREET, PARRAMATTA 2150	RES	Residential		02660	U	161	NCA07	61	56	55	44	0.4	0.26	7.5					
1958	02660-235U-RES	315167.4	6257542.5	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02660	U	235	NCA07	61	56	55	44	0.4	0.26	7.5					
1959	02660-246U-RES	315156.2	6257544.0	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02660	U	246	NCA07	61	56	55	44	0.4	0.26	7.5					
1960	02660-261U-RES	315142.2	6257547.1	8 GROSE STREET, PARRAMATTA 2150	RES	Residential		02660	U	261	NCA07	61	56	55	44	0.4	0.26	7.5					
1961	02660-065U-COM	315337.0	6257526.7	30 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02660	U	65	NCA07	70	70	70	70	0.8	0.8	7.5					
1962	02660-093U-RES	315309.0	6257528.6	26 GROSE STREET, PARRAMATTA 2150	RES	Residential		02660	U	93	NCA07	61	56	55	44	0.4	0.26	7.5					
1963	02665-132U-RES	315269.4	6257528.4	24 GROSE STREET, PARRAMATTA 2150	RES	Residential		02665	U	132	NCA07	61	56	55	44	0.4	0.26	7.5					
1964	02665-223D-RES	315626.3	6257492.7	52 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02665	D	223	NCA07	61	56	55	44	0.4	0.26	7.5					
1965	02665-064D-RES	315468.3	6257511.1	36A GROSE STREET, PARRAMATTA 2150	RES	Residential		02665	D	64	NCA07	61	56	55	44	0.4	0.26	7.5					
1966	02665-079U-COM	315322.7	6257523.5	28 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02665	U	79	NCA07	70	70	70	70	0.8	0.8	7.5					
1967	02665-082D-RES	315486.9	6257508.8	38 GROSE STREET, PARRAMATTA 2150	RES	Residential		02665	D	82	NCA07	61	56	55	44	0.4	0.26	7.5					
1968	02665-098D-RES	315502.0	6257504.4	40 GROSE STREET, PARRAMATTA 2150	RES	Residential		02665	D	98	NCA07	61	56	55	44	0.4	0.26	7.5					
1969	02670-113D-RES	315517.5	6257501.5	42 GROSE STREET, PARRAMATTA 2150	RES	Residential		02670	D	113	NCA07	61	56	55	44	0.4	0.26	7.5					
1970	02670-150U-RES	315251.8	6257527.7	22 GROSE STREET, PARRAMATTA 2150	RES	Residential		02670	U	150	NCA07	61	56	55	44	0.4	0.26	7.5					
1971	02670-202D-RES	315606.0	6257492.7	50 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02670	D	202	NCA07	61	56	55	44	0.4	0.26	7.5					
1972	02670-240D-RES	315643.2	6257486.6	54 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02670	D	240	NCA07	61	56	55	44	0.4	0.26	7.5					
1973	02670-024U-COM	315376.4	6257511.7	34 GROSE STREET, PARRAMATTA 2150	COM	Commercial	2	02670	U	24	NCA07	70	70	70	70	0.8	0.8	7.5					
1974	02670-253D-RES	315656.3	6257483.6	56 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02670	D	253	NCA07	61	56	55	44	0.4	0.26	7.5					
1975	02670-272D-RES	315674.9	6257483.9	58-60 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02670	D	272	NCA07	61	56	55	44	0.4	0.26	7.5					
1976	02675-134D-RES	315536.9	6257490.1	44 GROSE STREET, PARRAMATTA 2150	RES	Residential		02675	D	134	NCA07	61	56	55	44	0.4	0.26	7.5					
1977	02675-170D-RES	315572.8	6257489.7	46 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02675	D	170	NCA07	61	56	55	44	0.4	0.26	7.5					
1978	02675-185D-RES	315588.6	6257489.8	48 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02675	D	185	NCA07	61	56	55	44	0.4	0.26	7.5					
1979	02675-019D-COM	315422.4	6257504.0	440-444 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02675	D	19	NCA07	70	70	70	70	0.8	0.8	7.5					
1980	02675-287D-RES	315689.5	6257477.2	60A GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02675	D	287	NCA07	61	56	55	44	0.4	0.26	7.5					
1981	02680-042D-RES	315445.6	6257498.1	440-444 CHURCH STREET, PARRAMATTA 2150	RES	Residential		02680	D	42	NCA07	61	56	55	44	0.4	0.26	7.5					
1982	02700-295U-MED	315104.3	6257512.1	1 GROSE STREET, PARRAMATTA 2150	MED	Medical		02700	U	295	NCA08	65	65	65	65	0.8	0.8	7.5					
1983	00270-287U-RES	314077.8	6257379.0	8 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00270	U	287	NCA03	61	56	53	48	0.4	0.26	7.5					
1984	02705-267U-MED	315132.1	6257505.0	1 GROSE STREET, PARRAMATTA 2150	MED	Medical		02705	U	267	NCA08	65	65	65	65	0.8	0.8	7.5					
1985	02725-296U-CHC	315101.1	6257492.2	1 GROSE STREET, PARRAMATTA 2150	CHC	Childcare		02725	U	296	NCA08	50	50	50	50	0.4	0.4	2.5	Heritage				
1986	02710-137U-RES	315260.6	6257487.5	19 GROSE STREET, PARRAMATTA 2150	RES	Residential		02710	U	137	NCA08	69	64	62	51	0.4	0.26	7.5					
1987	02710-163U-RES	315234.2	6257488.9	17 GROSE STREET, PARRAMATTA 2150	RES	Residential		02710	U	163	NCA08	69	64	62	51	0.4	0.26	7.5					
1988	02710-171U-RES	315226.9	6257490.3	15 GROSE STREET, PARRAMATTA 2150	RES	Residential		02710	U	171	NCA08	69	64	62	51	0.4	0.26	7.5					
1989	02710-186U-RES	315211.3	6257492.6	13 GROSE STREET, PARRAMATTA 2150	RES	Residential		02710	U	186	NCA08	69	64	62	51	0.4	0.26	7.5					
1990	02710-215U-RES	315182.6	6257495.1	9 GROSE STREET, PARRAMATTA 2150	RES	Residential		02710	U	215	NCA08	69	64	62	51	0.4	0.26	7.5					
1991	02710-081U-COM	315315.6	6257480.6	27 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02710	U	81	NCA08	70	70	70	70	0.8	0.8	7.5					
1992	02715-121D-COM	315520.2	6257454.0	33 SORRELL STREET, PARRAMATTA 2150	COM	Commercial		02715	D	121	NCA08	70	70	70	70	0.8	0.8	7.5					
1993	02715-201U-RES	315195.8	6257488.9	11 GROSE STREET, PARRAMATTA 2150	RES	Residential		02715	U	201	NCA08	69	64	62	51	0.4	0.26	7.5					
1994	02715-084D-COM	315483.5	6257455.2	37 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02715	D	84	NCA08	70	70	70	70	0.8	0.8	7.5					
1995	02715-096D-COM	315495.0	6257453.7	39 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02715	D	96	NCA08	70	70	70	70	0.8	0.8	7.5					
1996	02720-168D-RES	315565.5	6257440.3	41 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02720	D	168	NCA08	69	64	62	51	0.4	0.26	7.5					
1997	02720-184D-RES	315581.7	6257439.5	43 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02720	D	184	NCA08	69	64	62	51	0.4	0.26	7.5					
1998	02720-207D-RES	315605.0	6257436.2	45-47 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02720	D	207	NCA08	69	64	62	51	0.4	0.26	7.5					
1999	02720-246U-RES	315151.3	6257491.1	5-7 GROSE STREET, PARRAMATTA 2150	RES	Residential		02720	U	246	NCA08	69	64	62	51	0.4	0.26	7.5					
2000	02720-295D-RES	315691.8	6257423.9	55A GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02720	D	295	NCA08	69	64	62	51	0.4	0.26	7.5					
2001	02725-239D-RES	315636.4	6257429.5	49-51 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02725	D	239	NCA08	69	64	62	51	0.4	0.26	7.5					
2002	02725-280D-RES	315676.4	6257422.1	53 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02725	D	280	NCA08	69	64	62	51	0.4	0.26	7.5					
2003	02725-028U-COM	315366.7	6257460.5	401 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02725	U	28	NCA08	70	70	70	70	0.8	0.8	7.5					
2004	02725-290U-CHC	315106.4	6257488.0	1 GROSE STREET, PARRAMATTA 2150	CHC	Childcare		02725	U	290	NCA08	50	50	50	50	0.4	0.4	7.5					
2005	02730-121D-COM	315518.2	6257438.8	31 SORRELL STREET, PARRAMATTA 2150	COM	Commercial		02730	D	121	NCA08	70	70	70	70	0.8	0.8	7.5					
2006	02730-217U-RES	315178.4	6257476.2	4 TROTT STREET, PARRAMATTA 2150	RES	Residential		02730	U	217	NCA08	69	64	62	51	0.4	0.26	7.5					
2007	02730-073D-COM	315470.0	6257442.2	35 GROSE STREET, PARRAMATTA 2150	COM	Commercial		02730	D	73	NCA08	70	70	70	70	0.8	0.8	7.5					
2008	02735-146U-RES	315248.8	6257463.8	1 VILLIERS STREET, PARRAMATTA 2150	RES	Residential		02735	U	146	NCA08	69	64	62	51	0.4	0.26	7.5					
2009	02735-032D-COM	315429.4	6257442.9	426 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02735	D	32	NCA08	70	70	70	70	0.8	0.8	7.5					
2010	02745-121D-COM	315516.6	6257421.2	29 SORRELL STREET, PARRAMATTA 2150	COM	Commercial		02745	D	121	NCA08	70	70	70	70	0.8	0.8	7.5					
2011	02745-174U-EDU	315219.6	6257455.9	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02745	U	174	NCA08	55	55	55	55	0.8	0.8	7.5					
2012	02745-297U-RES	315097.3	6257473.6	44 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02745	U	297	NCA08	69	64	62	51	0.4	0.26	7.5					
2013	02750-193D-RES	315587.7	6257409.7	34 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02750	D	193	NCA08	69	64	62	51	0.4	0.26	7.5					
2014	02750-252U-RES	315141.8	6257463.2	3 TROTT STREET, PARRAMATTA 2150	RES	Residential		02750	U	252	NCA08	69	64	62	51	0.4	0.26	7.5					
2015	02750-032U-COM	315360.0	6257433.6	395 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02750	U	32	NCA08	70	70	70	70	0.8	0.8	7.5					
2016	02755-213U-EDU	315179.5	6257450.8	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02755	U	213	NCA08	55	55	55	55	0.8	0.8	7.5					
2017	02760-155U-EDU	315237.2	6257440.4	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02760	U	155	NCA08	55	55	55	55	0.8	0.8	7.5					
2018	02760-254U-RES	315138.1	6257451.4	1 TROTT STREET, PARRAMATTA 2150	RES	Residential		02760	U	254	NCA08	69	64	62	51	0.4	0.26	7.5					
2019	02785-010U-COM	315378.0	6257397.5	387 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02785	U	10	NCA08	70	70	70	70	0.8	0.8	2.5	Heritage	Royal Oak Hotel	To be demolished by PLR		
2020	02770-172D-RES	315563.9	6257392.7	32 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02770	D	172	NCA08	69	64	62	51	0.4	0.26	7.5					
2021	02785-256U-RES	315134.0	6257426.7	4 ROSS STREET, PARRAMATTA 2150	RES	Residential		02785	U	256	NCA08	69	64	62	51	0.4	0.26	2.5	Heritage				
2022	02770-062U-COM	315327.9	6257416.7	18 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02770	U	62	NCA08	70	70	70	70	0.8	0.8	7.5					
2023	02770-088D-COM	315480.9	6257401.0	26 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02770	D	88	NCA08	70	70	70	70	0.8	0.8	7.5					
2024	02775-123D-COM	315514.6	6257391.8	32 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02775	D	123	NCA08	70	70	70	70	0.8	0.8	7.5					
2025	02775-193D-RES	315584.1	6257381.5	36 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02775	D	193	NCA08	69	64	62	51	0.4	0.26	7.5					
2026	02775-210D-RES	315601.4	6257379.1	38 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02775	D	210	NCA08	69	64	62	51	0.4	0.26	7.5					
2027	02775-246D-RES	315636.4	6257375.1	42 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02775	D	246	NCA08	69	64	62	51	0.4	0.26	7.5					
2028	02775-278U-RES	315112.6	6257437.5	2 ROSS STREET, PARRAMATTA 2150	RES	Residential		02775	U	278	NCA08	69	64	62	51	0.4	0.26	7.5					
2029	02775-296D-RES	315687.0	6257372.9	44 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02775	D	296	NCA08	69	64	62	51	0.4	0.26	7.5					
2030	02780-112U-COM	315277.4	6257415.3	12 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02780	U	112	NCA08	70	70	70	70	0.8	0.8	7.5					
2031	02780-186U-EDU	315203.4	6257424.1	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02780	U	186	NCA08	55	55	55	55	0.8	0.8	7.5					
2032	02780-216U-EDU	315173.7	6257425.9	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02780	U	216	NCA08	55	55	55	55	0.8	0.8	7.5					
2033	02780-228D-RES	315618.3	6257376.6	40 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02780	D	228	NCA08	69	64	62	51	0.4	0.26	7.5					
2034	02780-276D-RES	315666.7	6257369.7	42A ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02780	D	276	NCA08	69	64	62	51	0.4	0.26	7.5					
2035	02780-039D-COM	315430.9	6257394.4	410-442 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	7	02780	D	39	NCA08	70	70	70	70	0.8	0.8	7.5					
2036	02780-044U-COM	315344.8	6257404.8	22 ROSS STREET, PARRAMATTA 2150	COM	Commercial	1	02780	U	44	NCA08	70	70	70	70	0.8	0.8	7.5					
2037	02780-072D-MED	315463.4	6257394.5	24 ROSS STREET, PARRAMATTA 2150	MED	Medical		02780	D	72	NCA08	65	65	65	65	0.8	0.8	7.5					
2038	02780-084U-MED	315305.3	6257411.3	16 ROSS STREET, PARRAMATTA 2150	MED	Medical		02780	U	84	NCA08	65	65	65	65	0.8	0.8	7.5					
2039	02780-098U-COM	315291.4	6257413.6	14 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02780	U	98	NCA08	70	70	70	70	0.8	0.8	7.5					
2040	02785-157U-EDU	315232.2	6257415.9	8-10 ROSS STREET, PARRAMATTA 2150	EDU	Educational		02785	U	157	NCA08	55	55	55	55	0.8	0.8	7.5					
2041	02785-172D-RES	315561.8	6257374.6	30 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02785	D	172	NCA08	69	64	62	51	0.4	0.26	7.5					
2042	02785-018U-COM	315370.4	6257399.3	387 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02785	U	18	NCA08	70	70	70	70	0.8	0.8	7.5	Heritage				
2043	00280-032D-MED	313832.6	6257588.0	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	1	00280	D	32	NCA02	65	65	65	65	0.8	0.8	7.5					
2044	02820-169D-RES	315554.8	6257336.7	29 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02820	D	169	NCA08	69	64	62	51	0.4	0.26	7.5					
2045	02820-190D-RES	315575.6	6257333.3	31 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02820	D	190	NCA08	69	64	62	51	0.4	0.26	7.5					
2046	02820-209D-RES	315593.8	6257331.3	33 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02820	D	209	NCA08	69	64	62	51	0.4	0.26	7.5					
2047	02820-027U-COM	315357.0	6257364.4	385 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	02820	U	27	NCA08	70	70	70	70	0.8	0.8	7.5					
2049	02825-280D-RES	315663.7	6257317.9	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02825	D	280	NCA08	69	64	62	51	0.4	0.26	7.5					
2050	02830-104D-RES	315489.3	6257337.7	20A VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02830	D	104	NCA08	69	64	62	51	0.4	0.26	7.5					
2052	02830-232D-RES	315616.0	6257321.7	35 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02830	D	232	NCA08	69	64	62	51	0.4	0.26	7.5					
2053	02830-099U-COM	315283.8	6257366.5	5 ROSS STREET, PARRAMATTA 2150	COM	Commercial		02830	U	99	NCA08	70	70	70	70	0.8	0.8	7.5					
2054	02835-180D-RES	315562.7	6257317.2	28 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02835	D	180	NCA08	69	64	62	51	0.4	0.26	7.5					
2055	02835-248U-EDU	315136.1	6257382.4	2-6 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		02835	U	248	NCA08	55	55	55	55	0.8	0.8	7.5					
2056	02835-253D-RES	315636.3	6257314.2	35 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02835	D	253	NCA08	69	64	62	51	0.4	0.26	7.5					
2057	02835-057U-COM	315324.6	6257355.8	375 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02835	U	57	NCA08	70	70	70	70	0.8	0.8	7.5					
2058	02840-225D-RES	315606.9	6257306.2	35 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02840	D	225	NCA08	69	64	62	51	0.4	0.26	7.5					
2059	02840-026D-COM	315409.5	6257336.5	398 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02840	D	26	NCA08	70	70	70	70	0.8	0.8	7.5					
2060	02840-280D-RES	315660.9	6257299.5	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02840	D	280	NCA08	69	64	62	51	0.4	0.26	7.5					
2061	02840-068D-RES	315451.7	6257331.2	20A VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02840	D	68	NCA08	69	64	62	51	0.4	0.26	7.5					
2062	02865-226U-EDU	315153.7	6257353.9	2-6 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		02865	U	226	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
2063	02845-248D-RES	315628.8	6257296.7	35 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02845	D	248	NCA08	69	64	62	51	0.4	0.26	7.5					
2064	02850-030D-COM	315412.5	6257326.1	396 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02850	D	30	NCA08	70	70	70	70	0.8	0.8	7.5					
2065	00285-037U-PoW	313891.4	6257546.0	175A HAWKESBURY ROAD, WESTMEAD 2145	PoW	Place of Worship	2	00285	U	37	NCA04	55	55	55	55	0.8	0.8	7.5					
2066	02850-101D-RES	315482.6	6257313.6	20B VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02850	D	101	NCA08	69	64	62	51	0.4	0.26	7.5					
2067	02855-106U-COM	315273.4	6257344.1	2A VILLIERS STREET, PARRAMATTA 2150	COM	Commercial		02855	U	106	NCA08	70	70	70	70	0.8	0.8	7.5					
2068	02855-181U-EDU	315199.5	6257353.3	2-6 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		02855	U	181	NCA08	55	55	55	55	0.8	0.8	7.5					
2069	02855-207D-RES	315586.7	6257293.6	26 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02855	D	207	NCA08	69	64	62	51	0.4	0.26	7.5					
2070	02860-279D-RES	315657.7	6257280.7	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02860	D	279	NCA08	69	64	62	51	0.4	0.26	7.5					
2071	02860-049U-COM	315328.5	6257328.5	375 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	02860	U	49	NCA08	70	70	70	70	0.8	0.8	7.5					
2072	02870-173D-RES	315550.7	6257287.1	26 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02870	D	173	NCA08	69	64	62	51	0.4	0.26	7.5					
2073	02870-241D-RES	315617.8	6257273.9	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02870	D	241	NCA08	69	64	62	51	0.4	0.26	7.5					
2074	02875-191D-RES	315567.9	6257276.3	26 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02875	D	191	NCA08	69	64	62	51	0.4	0.26	7.5					
2075	02875-262D-RES	315637.9	6257265.1	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02875	D	262	NCA08	69	64	62	51	0.4	0.26	7.5					
2076	02875-287D-RES	315662.1	6257262.3	39 ROSS STREET, NORTH PARRAMATTA 2151	RES	Residential		02875	D	287	NCA08	69	64	62	51	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2077	02895-217U-EDU	315158.1	6257321.2	2-6 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		02895	U	217	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
2078	02880-022D-RES	315400.2	6257298.3	20A VICTORIA ROAD, PARRAMATTA 2150	RES	Residential	9	02880	D	22	NCA08	69	64	62	51	0.4	0.26	7.5					
2079	02880-081U-COM	315295.0	6257315.7	10 VICTORIA ROAD, PARRAMATTA 2150	COM	Commercial		02880	U	81	NCA08	70	70	70	70	0.8	0.8	7.5					
2080	02900-268U-EDU	315106.4	6257324.1	4 Victoria Road, Paramatta 2150	EDU	Educational	1	02900	U	268	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
2081	02890-101D-RES	315476.6	6257275.1	20B VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02890	D	101	NCA08	69	64	62	51	0.4	0.26	7.5					
2082	02890-101U-COM	315273.7	6257310.0	10 VICTORIA ROAD, PARRAMATTA 2150	COM	Commercial		02890	U	101	NCA08	70	70	70	70	0.8	0.8	7.5					
2083	02890-121U-COM	315253.5	6257311.2	8 VICTORIA ROAD, PARRAMATTA 2150	COM	Commercial		02890	U	121	NCA08	70	70	70	70	0.8	0.8	7.5					
2084	02890-086D-RES	315461.5	6257280.0	20A VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02890	D	86	NCA08	69	64	62	51	0.4	0.26	7.5					
2085	02900-025U-COM	315347.2	6257286.3	355 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02900	U	25	NCA08	70	70	70	70	0.8	0.8	7.5					
2087	02925-168D-COM	315537.4	6257232.4	11 VICTORIA ROAD, PARRAMATTA 2150	COM	Commercial		02925	D	168	NCA08	70	70	70	70	0.8	0.8	2.5	Heritage				
2088	02930-046D-COM	315416.2	6257244.5	382 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02930	D	46	NCA08	70	70	70	70	0.8	0.8	7.5					
2089	02935-216D-RES	315583.1	6257213.8	13 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02935	D	216	NCA08	69	64	62	51	0.4	0.26	7.5					
2090	02935-241D-RES	315607.6	6257210.5	13 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02935	D	241	NCA08	69	64	62	51	0.4	0.26	7.5					
2091	02940-122D-RES	315489.8	6257226.1	21 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02940	D	122	NCA08	69	64	62	51	0.4	0.26	7.5					
2092	02950-168U-PoW	315197.5	6257258.5	1 MARIST PLACE, PARRAMATTA 2150	PoW	Place of Worship		02950	U	168	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
2093	02950-201U-PoW	315165.6	6257266.1	1 MARIST PLACE, PARRAMATTA 2150	PoW	Place of Worship		02950	U	201	NCA08	55	55	55	55	0.8	0.8	7.5					
2094	02960-201D-RES	315564.4	6257193.9	13 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02960	D	201	NCA08	69	64	62	51	0.4	0.26	7.5					
2095	02960-233D-RES	315596.8	6257189.4	13 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		02960	D	233	NCA08	69	64	62	51	0.4	0.26	7.5					
2096	02970-019D-COM	315383.0	6257207.9	366 Church Street, Parramatta 2150	COM	Commercial	2	02970	D	19	NCA08	70	70	70	70	0.8	0.8	2.5	Heritage				
2097	02980-169D-RES	315529.9	6257178.0	20-24 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02980	D	169	NCA08	69	64	62	51	0.4	0.26	7.5					
2098	02980-224D-RES	315584.5	6257168.5	18 SORRELL STREET, PARRAMATTA 2150	RES	Residential		02980	D	224	NCA08	69	64	62	51	0.4	0.26	7.5					
2099	02985-101D-COM	315462.1	6257183.0	8-10 PALMER STREET, PARRAMATTA 2150	COM	Commercial		02985	D	101	NCA08	70	70	70	70	0.8	0.8	7.5					
2100	02985-211U-PoW	315149.6	6257230.8	1 MARIST PLACE, PARRAMATTA 2150	PoW	Place of Worship		02985	U	211	NCA08	55	55	55	55	0.8	0.8	7.5					
2101	02985-035D-COM	315396.8	6257191.4	356 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	02985	D	35	NCA08	70	70	70	70	0.8	0.8	2.5	Heritage				
2102	02985-061U-ARC	315297.6	6257206.5	Price Alfred Square, 52R3+8P Paramatta, 2150	ARC	Active Recreation		02985	U	61	NCA08	65	65	65	65	n/a	n/a	n/a					
2103	03005-299D-RES	315652.4	6257120.2	27 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03005	D	299	NCA08	69	64	62	51	0.4	0.26	7.5					
2104	00300-086U-RES	313940.8	6257528.7	33 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00300	U	86	NCA04	59	54	53	52	0.4	0.26	7.5					
2105	00030-147U-RES	313862.8	6257288.2	6 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00030	U	147	NCA03	61	56	53	48	0.4	0.26	7.5					
2106	03015-125D-RES	315478.9	6257143.3	5 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03015	D	125	NCA08	69	64	62	51	0.4	0.26	7.5					
2107	03015-190D-RES	315542.4	6257129.6	16 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03015	D	190	NCA08	69	64	62	51	0.4	0.26	7.5					
2108	03015-087D-RES	315442.0	6257152.8	5 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03015	D	87	NCA08	69	64	62	51	0.4	0.26	7.5					
2109	03020-136D-RES	315488.6	6257132.9	7 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03020	D	136	NCA08	69	64	62	51	0.4	0.26	7.5					
2110	03020-230D-RES	315581.8	6257120.6	18 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03020	D	230	NCA08	69	64	62	51	0.4	0.26	7.5					
2111	03020-296D-RES	315644.2	6257098.2	17 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03020	D	296	NCA08	69	64	62	51	0.4	0.26	7.5					
2112	03025-194D-RES	315543.6	6257115.4	14 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03025	D	194	NCA08	69	64	62	51	0.4	0.26	7.5					
2113	03035-085D-RES	315435.5	6257130.6	5 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03035	D	85	NCA08	69	64	62	51	0.4	0.26	7.5					
2114	03035-028D-RES	315379.7	6257142.3	354 CHURCH STREET, PARRAMATTA 2150	RES	Residential	5	03035	D	28	NCA08	69	64	62	51	0.4	0.26	7.5					
2115	03040-107D-RES	315454.5	6257118.4	5 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03040	D	107	NCA08	69	64	62	51	0.4	0.26	7.5					
2116	03040-187D-RES	315531.2	6257094.7	8 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03040	D	187	NCA08	69	64	62	51	0.4	0.26	7.5					
2117	03045-287D-RES	315623.6	6257054.8	17 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03045	D	287	NCA08	69	64	62	51	0.4	0.26	7.5					
2118	03045-069D-RES	315414.6	6257117.3	5 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03045	D	69	NCA08	69	64	62	51	0.4	0.26	7.5					
2119	03050-187U-EDU	315166.1	6257192.1	1 MARIST PLACE, PARRAMATTA 2150	EDU	Educational		03050	U	187	NCA08	55	55	55	55	0.8	0.8	7.5					
2120	00305-113U-RES	313964.9	6257516.6	31 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00305	U	113	NCA04	59	54	53	52	0.4	0.26	7.5					
2121	00305-036U-HTL	313904.4	6257562.8	175A HAWKESBURY ROAD, WESTMEAD 2145	HTL	Hotel	3	00305	U	36	NCA04	60	60	60	60	0.4	0.3	7.5					
2122	03055-227D-RES	315564.0	6257063.7	8 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03055	D	227	NCA08	69	64	62	51	0.4	0.26	7.5					
2123	03060-187D-RES	315520.3	6257058.6	6 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03060	D	187	NCA08	69	64	62	51	0.4	0.26	7.5					
2124	03080-142D-RES	315471.0	6257055.0	1 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03080	D	142	NCA08	69	64	62	51	0.4	0.26	7.5					
2125	03080-030D-HTL	315366.4	6257096.1	350 CHURCH STREET, PARRAMATTA 2150	HTL	Hotel	12	03080	D	30	NCA08	60	60	60	60	0.4	0.3	7.5					
2126	03080-096D-RES	315428.2	6257073.4	3 SORRELL STREET, PARRAMATTA 2150	RES	Residential		03080	D	96	NCA08	69	64	62	51	0.4	0.26	7.5					
2127	03085-184D-EDU	315505.7	6257031.0	2 SORRELL STREET, PARRAMATTA 2150	EDU	Educational		03085	D	184	NCA08	55	55	55	55	0.8	0.8	7.5					
2128	03095-206D-EDU	315521.8	6257011.7	2 SORRELL STREET, PARRAMATTA 2150	EDU	Educational		03095	D	206	NCA08	55	55	55	55	0.8	0.8	7.5					
2129	03100-236D-RES	315547.4	6256995.9	14-16 LAMONT STREET, PARRAMATTA 2150	RES	Residential		03100	D	236	NCA08	69	64	62	51	0.4	0.26	7.5					
2130	03100-043D-RES	315369.0	6257070.5	3 SORRELL STREET, PARRAMATTA 2150	RES	Residential	5	03100	D	43	NCA08	69	64	62	51	0.4	0.26	7.5					
2131	00310-133U-RES	313983.1	6257506.8	29 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00310	U	133	NCA04	59	54	53	52	0.4	0.26	7.5					
2132	03120-030U-CIN	315266.6	6257098.4	353A-353C CHURCH STREET, PARRAMATTA 2150	CIN	Cinema	2	03120	U	30	NCA08	55	55	55	55	0.8	0.8	7.5		Riverside Theatres	Rafferty's Theatre		
2133	03130-230U-EDU	315107.7	6257163.0	3 MARIST PLACE, PARRAMATTA 2150	EDU	Educational		03130	U	230	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
2134	00315-152U-RES	314000.8	6257497.8	25 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00315	U	152	NCA04	59	54	53	52	0.4	0.26	7.5					
2135	00315-172U-RES	314018.7	6257488.4	23 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00315	U	172	NCA04	59	54	53	52	0.4	0.26	7.5					
2136	03160-298U-EDU	315032.4	6257163.2	24 O'CONNELL STreet, PARRAMATTA 2150	EDU	Educational		03160	U	298	NCA08	55	55	55	55	0.8	0.8	7.5					
2137	03200-017U-COM	315268.3	6257003.8	331A CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03200	U	17	NCA09	70	70	70	70	0.8	0.8	7.5			Pending demolition		
2138	03200-029U-COM	315258.5	6257011.4	333 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	03200	U	29	NCA09	70	70	70	70	0.8	0.8	7.5			Pending demolition		
2139	00320-194U-RES	314038.2	6257477.9	19 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00320	U	194	NCA04	59	54	53	52	0.4	0.26	7.5					
2140	03225-015U-COM	315262.1	6256981.9	325-327 Church Street, Parramatta 2150	COM	Commercial	2	03225	U	15	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2141	03205-017U-COM	315267.0	6257000.6	331 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03205	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2142	03210-017U-COM	315265.4	6256996.1	329 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03210	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2143	03215-016U-COM	315264.1	6256988.8	327 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03215	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2144	03215-084D-RES	315361.1	6256954.4	330 CHURCH STREET, PARRAMATTA 2150	RES	Residential	36	03215	D	84	NCA09	68	63	58	48	0.4	0.26	7.5					
2145	03220-036D-RES	315314.0	6256964.7	330 CHURCH STREET, PARRAMATTA 2150	RES	Residential	53	03220	D	36	NCA09	68	63	58	48	0.4	0.26	7.5					
2146	03240-015U-COM	315256.8	6256965.7	321 Church Street, Parramatta 2150	COM	Commercial	2	03240	U	15	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2147	03225-176D-COM	315445.5	6256916.4	308 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		03225	D	176	NCA09	70	70	70	70	0.8	0.8	7.5					
2148	03230-015U-COM	315260.2	6256974.6	323 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03230	U	15	NCA09	70	70	70	70	0.8	0.8	7.5					
2149	03250-014U-COM	315254.7	6256957.9	317 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03250	U	14	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2150	00325-214U-RES	314056.3	6257468.1	17 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00325	U	214	NCA04	59	54	53	52	0.4	0.26	7.5					
2151	03255-014U-COM	315253.4	6256952.5	315A CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03255	U	14	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2152	03255-040D-COM	315306.2	6256930.8	328 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03255	D	40	NCA09	70	70	70	70	0.8	0.8	7.5					
2153	03260-013U-COM	315251.9	6256945.9	311-313 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03260	U	13	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2154	03260-181D-COM	315437.4	6256880.1	34 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03260	D	181	NCA09	70	70	70	70	0.8	0.8	7.5					
2155	03270-024D-COM	315286.4	6256922.8	320 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03270	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2156	03270-024U-COM	315237.6	6256938.6	295 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03270	U	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2157	03280-071D-HTL	315327.7	6256898.1	30 PHILLIP STREET, PARRAMATTA 2150	HTL	Hotel		03280	D	71	NCA09	60	60	60	60	0.4	0.3	7.5					
2158	03280-092U-RES	315171.9	6256955.9	101 MARSDEN STREET, PARRAMATTA 2150	RES	Residential	5	03280	U	92	NCA09	68	63	58	48	0.4	0.26	7.5					
2159	03285-024D-COM	315281.5	6256908.3	318 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03285	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2160	03290-225D-COM	315469.9	6256839.9	42 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	1	03290	D	225	NCA09	70	70	70	70	0.8	0.8	7.5					
2161	03290-024D-COM	315280.1	6256904.4	316 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03290	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2162	03295-151D-COM	315397.9	6256857.0	32 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	13	03295	D	151	NCA09	70	70	70	70	0.8	0.8	7.5					
2163	03295-025D-COM	315279.2	6256900.6	316 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03295	D	25	NCA09	70	70	70	70	0.8	0.8	7.5					
2164	03300-100D-COM	315347.9	6256868.7	30 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		03300	D	100	NCA09	70	70	70	70	0.8	0.8	7.5					
2165	03300-019U-COM	315232.4	6256909.3	293 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03300	U	19	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2166	03300-214D-COM	315455.0	6256830.3	40 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03300	D	214	NCA09	70	70	70	70	0.8	0.8	7.5					
2167	03300-245D-COM	315484.8	6256822.1	44-54 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03300	D	245	NCA09	70	70	70	70	0.8	0.8	7.5					
2168	03300-024D-COM	315276.1	6256894.4	312 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03300	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2169	00330-232U-RES	314072.2	6257460.3	15 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00330	U	232	NCA04	59	54	53	52	0.4	0.26	7.5					
2170	00330-252U-RES	314090.4	6257450.6	11 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00330	U	252	NCA04	59	54	53	52	0.4	0.26	7.5					
2171	00330-283U-RES	314112.8	6257428.1	7 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00330	U	283	NCA04	59	54	53	52	0.4	0.26	7.5					
2172	03305-019U-COM	315231.0	6256904.2	291 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03305	U	19	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2173	03305-201D-COM	315442.3	6256832.0	36 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03305	D	201	NCA09	70	70	70	70	0.8	0.8	7.5					
2174	03305-024D-COM	315274.3	6256889.7	310 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03305	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2175	03305-064U-COM	315188.5	6256919.8	10 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	5	03305	U	64	NCA09	70	70	70	70	0.8	0.8	7.5					
2176	03310-019U-COM	315229.4	6256899.0	289 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03310	U	19	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2177	03310-052D-COM	315299.8	6256877.9	28 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03310	D	52	NCA09	70	70	70	70	0.8	0.8	7.5					
2178	03310-080U-COM	315172.8	6256924.0	6-8 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	2	03310	U	80	NCA09	70	70	70	70	0.8	0.8	7.5					
2179	03310-097U-COM	315156.1	6256926.9	6-8 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	3	03310	U	97	NCA09	70	70	70	70	0.8	0.8	7.5					
2180	03315-018U-COM	315228.3	6256894.0	287 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03315	U	18	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2181	03315-024D-COM	315272.2	6256883.5	308 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03315	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2182	03320-024D-COM	315269.8	6256876.0	306 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03320	D	24	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2183	03325-019U-COM	315225.7	6256889.3	281 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03325	U	19	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2184	03330-157U-COM	315091.2	6256922.7	174 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03330	U	157	NCA09	70	70	70	70	0.8	0.8	7.5					
2185	03350-146U-COM	315094.1	6256893.3	160 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03350	U	146	NCA09	70	70	70	70	0.8	0.8	7.5					
2186	03350-021U-COM	315215.2	6256862.9	279 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03350	U	21	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2187	03350-027D-COM	315264.4	6256848.1	302 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03350	D	27	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2188	03350-053U-COM	315183.8	6256869.8	9 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	4	03350	U	53	NCA09	70	70	70	70	0.8	0.8	7.5					
2189	03360-125D-COM	315356.5	6256813.5	55 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		03360	D	125	NCA09	70	70	70	70	0.8	0.8	7.5					
2190	03360-200D-COM	315429.5	6256796.9	1 HORWOOD PLACE, PARRAMATTA 2150	COM	Commercial	2	03360	D	200	NCA09	70	70	70	70	0.8	0.8	7.5					
2191	03360-094D-COM	315326.7	6256822.6	51A PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		03360	D	94	NCA09	70	70	70	70	0.8	0.8	7.5					
2192	03365-022U-COM	315210.8	6256849.2	277 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03365	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2193	03365-034D-COM	315267.5	6256832.4	298 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03365	D	34	NCA09	70	70	70	70	0.8	0.8	7.5					
2194	03370-023U-COM	315207.9	6256841.6	275 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03370	U	23	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2195	03375-158D-COM	315385.6	6256794.6	67-69 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	5	03375	D	158	NCA09	70	70	70	70	0.8	0.8	7.5					
2196	03375-023U-COM	315206.6	6256836.3	273 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03375	U	23	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2197	03375-242D-COM	315466.4	6256771.4	91 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial	6	03375	D	242	NCA09	70	70	70	70	0.8	0.8	7.5					
2198	03375-027D-COM	315259.1	6256826.0	292 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03375	D	27	NCA09	70	70	70	70	0.8	0.8	7.5					
2199	03380-023U-COM	315205.3	6256831.0	269 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03380	U	23	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2200	03385-082U-COM	315147.4	6256843.4	12 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03385	U	82	NCA09	70	70	70	70	0.8	0.8	7.5					
2201	03390-198U-COM	315033.1	6256864.1	162 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03390	U	198	NCA09	70	70	70	70	0.8	0.8	7.5					
2202	03390-023U-COM	315203.9	6256825.6	267 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03390	U	23	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2203	03395-198D-COM	315420.1	6256765.7	1 HORWOOD PLACE, PARRAMATTA 2150	COM	Commercial	8	03395	D	198	NCA09	70	70	70	70	0.8	0.8	7.5					
2204	03395-022U-COM	315202.4	6256816.7	263-265 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03395	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2205	03395-031D-COM	315258.2	6256805.6	286 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03395	D	31	NCA09	70	70	70	70	0.8	0.8	7.5					
2206	00340-036U-HTL	313926.8	6257591.0	175A HAWKESBURY ROAD, WESTMEAD 2145	HTL	Hotel	2	00340	U	36	NCA04	60	60	60	60	0.4	0.3	7.5					
2207	03405-022U-COM	315200.9	6256807.5	261 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03405	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2208	03405-241D-COM	315459.4	6256745.7	37 SMITH STREET, PARRAMATTA 2150	COM	Commercial		03405	D	241	NCA09	70	70	70	70	0.8	0.8	7.5					
2209	03405-024D-COM	315248.9	6256796.5	284 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03405	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2210	03410-021U-COM	315199.9	6256801.6	259 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03410	U	21	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2211	03415-148U-COM	315076.1	6256829.2	6 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03415	U	148	NCA09	70	70	70	70	0.8	0.8	7.5					
2212	03415-025D-COM	315246.9	6256787.8	278 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03415	D	25	NCA09	70	70	70	70	0.8	0.8	7.5					
2213	03430-081U-COM	315137.2	6256797.0	12 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03430	U	81	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2214	03420-022U-COM	315197.8	6256796.2	257 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03420	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2215	03445-134U-COM	315082.5	6256795.9	164 Marsden Street, Parramatta 2150	COM	Commercial	2	03445	U	134	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2216	03430-214D-COM	315426.8	6256728.8	3 HORWOOD PLACE, PARRAMATTA 2150	COM	Commercial	7	03430	D	214	NCA09	70	70	70	70	0.8	0.8	7.5					
2217	03425-021U-COM	315196.3	6256788.1	255 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03425	U	21	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2218	03430-022U-COM	315194.5	6256783.6	253 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03430	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2219	03435-024D-COM	315241.5	6256770.1	272 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03435	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2220	03455-049U-COM	315162.9	6256768.4	16A GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	03455	U	49	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2221	03445-158D-COM	315368.6	6256725.1	2 HORWOOD PLACE, PARRAMATTA 2150	COM	Commercial	3	03445	D	158	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2222	03445-017U-COM	315196.5	6256768.6	245 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03445	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2223	03445-256U-COM	314963.9	6256826.5	2 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03445	U	256	NCA09	70	70	70	70	0.8	0.8	7.5					
2224	03460-093U-COM	315118.5	6256772.1	12 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	03460	U	93	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2225	03450-132D-COM	315342.3	6256729.0	48-50 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	5	03450	D	132	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2226	03470-156D-COM	315360.1	6256700.5	52 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	03470	D	156	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2227	03460-019D-COM	315230.6	6256744.3	264 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03460	D	19	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2228	03460-060D-COM	315269.8	6256732.6	28 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	4	03460	D	60	NCA09	70	70	70	70	0.8	0.8	7.5					
2229	03465-105D-COM	315312.7	6256720.5	46 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	03465	D	105	NCA09	70	70	70	70	0.8	0.8	7.5					
2230	03465-021U-COM	315187.0	6256749.8	239 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03465	U	21	NCA09	70	70	70	70	0.8	0.8	7.5					
2231	03465-083D-COM	315291.5	6256726.5	38 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	03465	D	83	NCA09	70	70	70	70	0.8	0.8	7.5					
2232	03465-092D-COM	315300.3	6256724.0	42 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	03465	D	92	NCA09	70	70	70	70	0.8	0.8	7.5					
2233	03470-117D-COM	315323.3	6256712.7	48-50 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	4	03470	D	117	NCA09	70	70	70	70	0.8	0.8	7.5					
2234	03510-126U-COM	315074.9	6256735.6	17 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	03510	U	126	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2235	03500-018D-COM	315219.0	6256703.7	262 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03500	D	18	NCA09	70	70	70	70	0.8	0.8	7.5					
2236	03520-083U-COM	315113.2	6256711.4	19 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03520	U	83	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2237	03510-019D-COM	315217.7	6256696.6	260 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03510	D	19	NCA09	70	70	70	70	0.8	0.8	7.5					
2238	03510-037D-COM	315234.4	6256690.2	242-250 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03510	D	37	NCA09	70	70	70	70	0.8	0.8	7.5					
2239	03510-053D-COM	315250.6	6256686.0	242-250 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03510	D	53	NCA09	70	70	70	70	0.8	0.8	7.5					
2240	03505-067D-COM	315265.8	6256689.4	41-59 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	03505	D	67	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2241	03515-136U-COM	315064.2	6256733.6	154 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial	3	03515	U	136	NCA09	70	70	70	70	0.8	0.8	7.5					
2242	03515-145U-COM	315054.8	6256735.9	11 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	03515	U	145	NCA09	70	70	70	70	0.8	0.8	7.5					
2243	03515-020D-COM	315216.3	6256688.7	256 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03515	D	20	NCA09	70	70	70	70	0.8	0.8	7.5					
2244	03520-019D-COM	315214.5	6256684.3	252A CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03520	D	19	NCA09	70	70	70	70	0.8	0.8	7.5					
2245	03520-027U-COM	315168.0	6256701.4	235 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	4	03520	U	27	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2246	03525-121D-COM	315311.9	6256653.9	61B GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	03525	D	121	NCA09	70	70	70	70	0.8	0.8	7.5					
2247	03525-126U-COM	315070.7	6256720.2	156 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03525	U	126	NCA09	70	70	70	70	0.8	0.8	7.5					
2248	03530-162U-COM	315035.0	6256725.7	9 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	6	03530	U	162	NCA09	70	70	70	70	0.8	0.8	7.5					
2249	03535-135U-COM	315058.9	6256711.9	154 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial	3	03535	U	135	NCA09	70	70	70	70	0.8	0.8	7.5					
2250	03535-021U-COM	315169.5	6256682.1	223 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03535	U	21	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2251	03535-247U-COM	314951.6	6256744.0	22 O'CONNELL STREET, PARRAMATTA 2150	COM	Commercial		03535	U	247	NCA09	70	70	70	70	0.8	0.8	7.5					
2252	03540-021D-COM	315212.1	6256668.5	242-250 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03540	D	21	NCA09	70	70	70	70	0.8	0.8	7.5					
2253	03545-023U-COM	315164.8	6256673.2	221 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03545	U	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2254	00355-279U-RES	314124.4	6257450.0	7 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00355	U	279	NCA04	59	54	53	52	0.4	0.26	7.5					
2255	03555-137U-COM	315053.0	6256695.2	152 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03555	U	137	NCA09	70	70	70	70	0.8	0.8	7.5					
2256	03555-023U-COM	315162.7	6256663.6	217 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03555	U	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2257	03555-039D-COM	315225.4	6256648.9	240 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03555	D	39	NCA09	70	70	70	70	0.8	0.8	7.5					
2258	00355-083U-RES	313972.7	6257574.0	28 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00355	U	83	NCA04	59	54	53	52	0.4	0.26	7.5					
2259	03560-023D-COM	315207.9	6256645.9	238 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03560	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2260	03565-023D-COM	315206.6	6256641.1	236 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03565	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2261	03565-079U-COM	315106.3	6256670.2	93-93A MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03565	U	79	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2262	03570-150U-COM	315036.0	6256682.0	150 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03570	U	150	NCA09	70	70	70	70	0.8	0.8	7.5					
2263	03575-023D-COM	315204.9	6256633.7	232 CHURCH STREET, PARRAMATTA 2150	EDU	Educational	2	03575	D	23	NCA09	55	55	55	55	0.8	0.8	7.5					
2264	03580-091U-COM	315090.0	6256656.7	93-93A MARSDEN STREET, PARRAMATTA 2150	COM	Commercial	4	03580	U	91	NCA09	70	70	70	70	0.8	0.8	7.5					
2265	03585-015U-EDU	315162.9	6256634.3	211 CHURCH STREET, PARRAMATTA 2150	EDU	Educational	2	03585	U	15	NCA09	55	55	55	55	0.8	0.8	7.5					
2266	03585-054U-COM	315125.4	6256645.4	93-93A MARSDEN STREET, PARRAMATTA 2150	COM	Commercial		03585	U	54	NCA09	70	70	70	70	0.8	0.8	7.5					
2267	03590-018U-COM	315157.5	6256627.3	211A CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03590	U	18	NCA09	70	70	70	70	0.8	0.8	7.5					
2268	03590-023D-COM	315200.6	6256617.3	222-230 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03590	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2269	03595-140U-COM	315038.6	6256654.3	146 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial	6	03595	U	140	NCA09	70	70	70	70	0.8	0.8	7.5					
2270	00360-103U-RES	313990.6	6257564.6	26 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00360	U	103	NCA04	59	54	53	52	0.4	0.26	7.5					
2271	03605-020U-COM	315153.0	6256617.4	207 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03605	U	20	NCA09	70	70	70	70	0.8	0.8	7.5					
2272	03605-023D-COM	315196.8	6256603.8	220 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03605	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2273	03605-073U-COM	315101.3	6256630.0	197 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	4	03605	U	73	NCA09	70	70	70	70	0.8	0.8	7.5					
2274	03610-210U-COM	314967.8	6256662.4	20 O'CONNELL STREET, PARRAMATTA 2150	COM	Commercial		03610	U	210	NCA09	70	70	70	70	0.8	0.8	7.5					
2275	03610-023D-COM	315195.1	6256596.9	216 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03610	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2276	03620-023D-COM	315192.9	6256588.2	210 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03620	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2277	03630-132U-COM	315036.4	6256616.0	16 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	4	03630	U	132	NCA09	70	70	70	70	0.8	0.8	7.5					
2278	03630-049U-COM	315117.0	6256596.0	197 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03630	U	49	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2279	03635-023D-COM	315189.7	6256576.7	202 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03635	D	23	NCA09	70	70	70	70	0.8	0.8	7.5					
2280	03640-212U-COM	314950.9	6256570.2	35 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	12	03640	U	212	NCA09	70	70	70	70	0.8	0.8	7.5					
2281	03640-244U-COM	314918.6	6256587.7	29 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03640	U	244	NCA09	70	70	70	70	0.8	0.8	7.5					
2282	03640-264U-COM	314898.7	6256593.3	23-27 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial		03640	U	264	NCA09	70	70	70	70	0.8	0.8	7.5					
2283	03640-288U-COM	314874.9	6256559.8	14 O'CONNELL STREET, PARRAMATTA 2150	COM	Commercial	1	03640	U	288	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2284	03645-170U-RES	314995.5	6256538.3	45 MACQUARIE STREET, PARRAMATTA 2150	RES	Residential		03645	U	170	NCA09	68	63	58	48	0.4	0.26	7.5					
2285	03645-230U-COM	314936.4	6256529.0	22 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	5	03645	U	230	NCA09	70	70	70	70	0.8	0.8	7.5					
2286	03645-259U-COM	314905.3	6256537.3	20 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	3	03645	U	259	NCA09	70	70	70	70	0.8	0.8	7.5					
2287	03645-280U-COM	314884.0	6256546.5	16 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	2	03645	U	280	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2288	03645-291U-COM	314872.6	6256547.6	16 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	1	03645	U	291	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2289	03645-295U-RES	314870.1	6256534.8	16 HUNTER STREET, PARRAMATTA 2150	RES	Residential	1	03645	U	295	NCA09	68	63	58	48	0.4	0.26	2.5	Heritage				
2290	03645-297U-RES	314876.4	6256490.3	29 HUNTER STREET, PARRAMATTA 2150	RES	Residential	28	03645	U	297	NCA09	68	63	58	48	0.4	0.26	7.5					
2291	03650-106U-COM	315065.7	6256525.0	57 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03650	U	106	NCA09	70	70	70	70	0.8	0.8	7.5					
2292	03650-216U-COM	314971.0	6256467.7	132 MARSDEN STREET, PARRAMATTA 2150	COM	Commercial	8	03650	U	216	NCA09	70	70	70	70	0.8	0.8	7.5					
2293	03650-040U-COM	315128.8	6256544.6	79 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03650	U	40	NCA09	70	70	70	70	0.8	0.8	7.5					
2294	03650-048U-COM	315119.4	6256544.8	77 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03650	U	48	NCA09	70	70	70	70	0.8	0.8	7.5					
2295	00365-123U-RES	314008.5	6257555.4	24 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00365	U	123	NCA04	59	54	53	52	0.4	0.26	7.5					
2296	00365-142U-RES	314026.3	6257545.9	22 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00365	U	142	NCA04	59	54	53	52	0.4	0.26	7.5					
2297	00365-044U-RES	313947.7	6257604.8	30 CAROLINE STREET, WESTMEAD 2145	RES	Residential	4	00365	U	44	NCA04	59	54	53	52	0.4	0.26	7.5					
2298	03655-163U-COM	315040.6	6256455.4	41 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	2	03655	U	163	NCA09	70	70	70	70	0.8	0.8	7.5					
2299	03655-033U-COM	315138.5	6256542.1	83 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03655	U	33	NCA09	70	70	70	70	0.8	0.8	7.5					
2300	03660-152U-COM	315059.9	6256449.0	43 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	4	03660	U	152	NCA09	70	70	70	70	0.8	0.8	7.5					
2301	03660-054U-MED	315127.7	6256521.0	38 HUNTER STREET, PARRAMATTA 2150	MED	Medical	2	03660	U	54	NCA09	65	65	65	65	0.8	0.8	7.5					
2302	03660-089U-PoW	315100.3	6256499.3	195 CHURCH STREET, PARRAMATTA 2150	PoW	Place of Worship		03660	U	89	NCA09	55	55	55	55	0.8	0.8	7.5					
2303	03665-138U-COM	315088.5	6256443.2	45 HUNTER STREET, PARRAMATTA 2150	COM	Commercial	2	03665	U	138	NCA09	70	70	70	70	0.8	0.8	7.5					
2304	03670-015D-COM	315188.7	6256564.9	198 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03670	D	15	NCA09	70	70	70	70	0.8	0.8	7.5					
2305	03670-093U-PoW	315139.8	6256464.6	195 CHURCH STREET, PARRAMATTA 2150	PoW	Place of Worship	2	03670	U	93	NCA09	55	55	55	55	0.8	0.8	7.5					
2306	03680-139U-COM	315155.7	6256411.3	181 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	4	03680	U	139	NCA09	70	70	70	70	0.8	0.8	7.5					
2307	03690-025D-COM	315208.9	6256570.1	40 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03690	D	25	NCA09	70	70	70	70	0.8	0.8	7.5					
2308	03690-026D-COM	315205.6	6256571.8	200 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	2	03690	D	26	NCA09	70	70	70	70	0.8	0.8	7.5					
2309	03695-025D-MED	315213.6	6256569.4	42 MACQUARIE STREET, PARRAMATTA 2150	MED	Medical	2	03695	D	25	NCA09	65	65	65	65	0.8	0.8	7.5		Optimum Med Health Clinic			
2310	03700-026D-COM	315218.5	6256569.4	44 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03700	D	26	NCA09	70	70	70	70	0.8	0.8	7.5					
2311	00370-158U-RES	314040.6	6257538.1	20 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00370	U	158	NCA04	59	54	53	52	0.4	0.26	7.5					
2312	00370-171U-RES	314051.5	6257532.2	18A CAROLINE STREET, WESTMEAD 2145	RES	Residential		00370	U	171	NCA04	59	54	53	52	0.4	0.26	7.5					
2313	03705-026D-COM	315223.4	6256568.0	46 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03705	D	26	NCA09	70	70	70	70	0.8	0.8	7.5					
2314	03710-022U-COM	315214.5	6256517.6	188 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03710	U	22	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2315	03710-042D-COM	315228.1	6256583.5	46 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03710	D	42	NCA09	70	70	70	70	0.8	0.8	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2316	03720-016U-COM	315225.9	6256520.8	85A MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	03720	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2317	03725-016U-COM	315230.1	6256519.5	87 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	03725	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2318	03725-029D-COM	315240.9	6256566.8	48 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03725	D	29	NCA09	70	70	70	70	0.8	0.8	7.5					
2319	03730-016U-COM	315233.9	6256518.8	89 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	03730	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2320	03730-016U-COM	315237.8	6256517.7	91 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	03730	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2321	03735-016U-COM	315242.1	6256516.6	93 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	03735	U	16	NCA09	70	70	70	70	0.8	0.8	7.5					
2322	03735-057U-COM	315233.2	6256477.4	1A CIVIC PLACE, PARRAMATTA 2150	COM	Commercial	2	03735	U	57	NCA09	70	70	70	70	0.8	0.8	7.5					
2323	03745-017U-COM	315252.3	6256513.8	95 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	3	03745	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2324	03750-017U-COM	315256.3	6256512.5	97 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03750	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2325	00375-184U-RES	314063.7	6257525.9	18 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00375	U	184	NCA04	59	54	53	52	0.4	0.26	7.5					
2327	03770-015U-COM	315276.1	6256509.6	99 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	03770	U	15	NCA09	70	70	70	70	0.8	0.8	7.5					
2328	03775-055U-COM	315270.4	6256470.4	1A CIVIC PLACE, PARRAMATTA 2150	COM	Commercial		03775	U	55	NCA09	70	70	70	70	0.8	0.8	7.5					
2329	03785-028D-COM	315299.2	6256552.2	60 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	7	03785	D	28	NCA09	70	70	70	70	0.8	0.8	7.5					
2330	03795-018D-EDU	315308.9	6256539.6	62-64 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	2	03795	D	18	NCA09	55	55	55	55	0.8	0.8	2.5	Heritage				
2331	03800-024U-PoW	315301.3	6256494.9	119 MACQUARIE STREET, PARRAMATTA 2150	PoW	Place of Worship	4	03800	U	24	NCA09	55	55	55	55	0.8	0.8	2.5	Heritage				
2332	00380-198U-RES	314076.4	6257519.8	16 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00380	U	198	NCA04	59	54	53	52	0.4	0.26	7.5					
2333	00380-214U-RES	314090.3	6257511.8	14 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00380	U	214	NCA04	59	54	53	52	0.4	0.26	7.5					
2335	03815-021D-COM	315328.2	6256537.9	68 MACQUARIE STREET, PARRAMATTA 2150	COM	Medical	3	03815	D	21	NCA09	65	65	65	65	0.8	0.8	7.5					
2336	03820-029U-COM	315320.2	6256485.6	119A MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	3	03820	U	29	NCA09	70	70	70	70	0.8	0.8	7.5					
2337	03820-062D-COM	315344.2	6256575.7	71 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	5	03820	D	62	NCA09	70	70	70	70	0.8	0.8	7.5					
2339	03835-020D-COM	315348.1	6256532.1	70 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	3	03835	D	20	NCA09	70	70	70	70	0.8	0.8	7.5					
2341	03850-024D-COM	315364.8	6256532.6	72 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	3	03850	D	24	NCA09	70	70	70	70	0.8	0.8	7.5					
2342	00385-228U-RES	314103.4	6257505.4	12 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00385	U	228	NCA04	59	54	53	52	0.4	0.26	7.5					
2343	00385-242U-RES	314115.8	6257499.0	10 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00385	U	242	NCA04	59	54	53	52	0.4	0.26	7.5					
2344	03860-148D-CIN	315402.7	6256651.1	69 GEORGE STREET, PARRAMATTA 2150	CIN	Cinema	1	03860	D	148	NCA09	55	55	55	55	0.8	0.8	2.5	Heritage				
2345	03860-241U-COM	315312.2	6256269.5	142 CHURCH STREET, PARRAMATTA 2150	COM	Commercial		03860	U	241	NCA09	70	70	70	70	0.8	0.8	7.5					
2346	03865-196D-COM	315417.0	6256696.4	80 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	10	03865	D	196	NCA09	70	70	70	70	0.8	0.8	7.5					
2347	03865-028U-EDU	315364.4	6256476.0	153 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational		03865	U	28	NCA09	55	55	55	55	0.8	0.8	7.5					
2349	03870-024D-MED	315383.5	6256528.2	74 MACQUARIE STREET, PARRAMATTA 2150	MED	Medical	3	03870	D	24	NCA09	65	65	65	65	0.8	0.8	7.5					
2350	03880-127D-COM	315413.3	6256626.6	73 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	03880	D	127	NCA09	70	70	70	70	0.8	0.8	7.5					
2351	03900-119D-COM	315435.8	6256613.1	75 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	6	03900	D	119	NCA09	70	70	70	70	0.8	0.8	7.5					
2352	03900-040D-COM	315412.7	6256537.2	25 SMITH STREET, PARRAMATTA 2150	COM	Commercial	8	03900	D	40	NCA09	70	70	70	70	0.8	0.8	7.5					
2353	00390-183D-MED	313781.8	6257766.7	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00390	D	183	NCA02	65	65	65	65	0.8	0.8	7.5					
2354	00390-256U-RES	314128.3	6257491.9	8 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00390	U	256	NCA04	59	54	53	52	0.4	0.26	7.5					
2355	03905-183D-COM	315454.8	6256674.0	90 George St, Parramatta 2150	COM	Commercial	2	03905	D	183	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2356	03910-219D-COM	315465.7	6256709.1	33 SMITH STREET, PARRAMATTA 2150	COM	Commercial	7	03910	D	219	NCA09	70	70	70	70	0.8	0.8	7.5					
2357	03910-243D-COM	315475.4	6256731.3	37 SMITH STREET, PARRAMATTA 2150	COM	Commercial	2	03910	D	243	NCA09	70	70	70	70	0.8	0.8	7.5					
2358	03915-191D-COM	315467.1	6256679.0	96 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	03915	D	191	NCA09	70	70	70	70	0.8	0.8	7.5					
2359	03920-046U-EDU	315411.2	6256445.5	169 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	18	03920	U	46	NCA09	55	55	55	55	0.8	0.8	7.5					
2360	03935-123U-COM	315403.8	6256367.8	1 SMITH STREET, PARRAMATTA 2150	COM	Commercial		03935	U	123	NCA09	70	70	70	70	0.8	0.8	7.5			Address change pending		
2361	00395-277U-RES	314147.4	6257482.6	4-6 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00395	U	277	NCA04	59	54	53	52	0.4	0.26	7.5					
2362	03955-136D-COM	315499.2	6256613.3	20 SMITH STREET, PARRAMATTA 2150	COM	Commercial	10	03955	D	136	NCA09	70	70	70	70	0.8	0.8	7.5					
2363	03955-207D-COM	315518.5	6256681.8	100 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		03955	D	207	NCA09	70	70	70	70	0.8	0.8	7.5					
2364	03955-274D-COM	315534.9	6256746.8	32 SMITH STREET, PARRAMATTA 2150	COM	Commercial		03955	D	274	NCA09	70	70	70	70	0.8	0.8	7.5					
2365	03955-092D-COM	315487.0	6256570.8	18 SMITH STREET, PARRAMATTA 2150	COM	Commercial	14	03955	D	92	NCA09	70	70	70	70	0.8	0.8	7.5					
2367	03995-135D-COM	315530.4	6256603.4	79 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	03995	D	135	NCA09	70	70	70	70	0.8	0.8	7.5					
2368	04005-122U-COM	315477.8	6256348.8	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	1	04005	U	122	NCA09	70	70	70	70	0.8	0.8	7.5					
2369	04015-100D-EDU	315515.0	6256556.4	1A Barrack Lane, Parramatta 2150	IND	Industrial	2	04015	D	100	NCA09	75	75	75	75	1.6	1.6	2.5	Heritage - Convict Drain				
2370	04015-089D-IND	315538.5	6256553.7	3 Barrack Lane, Parramatta 2150	EDU	Educational	2	04015	D	89	NCA09	55	55	55	55	0.8	0.8	2.5	Heritage - Endeavour Energy Substation	To be demolished by PLR			
2371	04020-131D-COM	315554.7	6256593.7	81 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	04020	D	131	NCA09	70	70	70	70	0.8	0.8	7.5					
2372	04025-118U-COM	315496.5	6256348.0	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	1	04025	U	118	NCA09	70	70	70	70	0.8	0.8	7.5					
2373	03985-021U-EDU	315481.6	6256451.5	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	1	03985	U	21	NCA09	55	55	55	55	0.8	0.8	7.5		Arthur Phillip HS			
2374	04030-155U-COM	315491.4	6256311.1	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	1	04030	U	155	NCA09	70	70	70	70	0.8	0.8	7.5					
2375	04035-239D-COM	315595.5	6256694.7	110 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		04035	D	239	NCA09	70	70	70	70	0.8	0.8	7.5					
2376	04050-144U-COM	315514.3	6256316.5	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	2	04050	U	144	NCA09	70	70	70	70	0.8	0.8	7.5					
2377	04050-160U-COM	315511.7	6256300.9	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	1	04050	U	160	NCA09	70	70	70	70	0.8	0.8	7.5					
2378	04050-172U-COM	315508.7	6256289.4	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial	1	04050	U	172	NCA09	70	70	70	70	0.8	0.8	7.5					
2379	04070-144D-COM	315604.4	6256594.4	85 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	04070	D	144	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2380	04075-098D-COM	315596.3	6256549.5	85 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		04075	D	98	NCA09	70	70	70	70	0.8	0.8	7.5					
2381	04080-219D-COM	315633.2	6256664.2	126-130 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		04080	D	219	NCA09	70	70	70	70	0.8	0.8	7.5					
2383	04090-130D-COM	315621.9	6256575.5	89 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	04090	D	130	NCA09	70	70	70	70	0.8	0.8	7.5					
2384	04090-214U-COM	315539.3	6256238.5	2A HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04090	U	214	NCA09	70	70	70	70	0.8	0.8	7.5					
2385	00410-035U-RES	313969.3	6257646.2	181 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	9	00410	U	35	NCA04	59	54	53	52	0.4	0.26	7.5					
2386	04115-136D-COM	315644.9	6256575.9	91 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	6	04115	D	136	NCA09	70	70	70	70	0.8	0.8	7.5					
2387	04115-143U-COM	315577.2	6256301.9	2 SMITH STREET, PARRAMATTA 2150	COM	Commercial		04115	U	143	NCA09	70	70	70	70	0.8	0.8	7.5					
2388	04125-199U-EDU	315574.1	6256245.5	2 HASSALL STREET, PARRAMATTA 2150	EDU	Educational		04125	U	199	NCA09	55	55	55	55	0.8	0.8	7.5					
2389	04005-018U-EDU	315500.4	6256449.7	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	1	04005	U	18	NCA09	55	55	55	55	0.8	0.8	7.5		Arthur Phillip HS			
2390	04130-277D-COM	315693.4	6256709.8	107 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04130	D	277	NCA09	70	70	70	70	0.8	0.8	7.5					
2391	04135-268U-COM	315569.0	6256176.0	60 STATION STREET-EAST, PARRAMATTA 2150	COM	Commercial		04135	U	268	NCA09	70	70	70	70	0.8	0.8	7.5					
2392	04140-120D-COM	315664.6	6256554.9	93 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	7	04140	D	120	NCA09	70	70	70	70	0.8	0.8	7.5					
2393	04140-189U-COM	315594.0	6256250.5	4 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04140	U	189	NCA09	70	70	70	70	0.8	0.8	7.5					
2394	04155-182U-RES	315606.5	6256254.8	6 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04155	U	182	NCA09	68	63	58	48	0.4	0.26	7.5					
2396	04165-119U-COM	315635.0	6256312.8	1 CHARLES STREET, PARRAMATTA 2150	COM	Commercial	15	04165	U	119	NCA09	70	70	70	70	0.8	0.8	7.5					
2397	04165-278D-COM	315730.1	6256701.0	115 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04165	D	278	NCA09	70	70	70	70	0.8	0.8	7.5					
2398	04170-211D-COM	315718.2	6256635.2	150 GEORGE STREET, PARRAMATTA 2150	COM	Commercial		04170	D	211	NCA09	70	70	70	70	0.8	0.8	7.5					
2399	04170-251U-COM	315607.8	6256183.8	5 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04170	U	251	NCA09	70	70	70	70	0.8	0.8	7.5					
2400	04175-122D-COM	315702.6	6256547.2	95-101 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	11	04175	D	122	NCA09	70	70	70	70	0.8	0.8	7.5					
2401	04180-022U-EDU	315672.9	6256403.6	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational		04180	U	22	NCA09	55	55	55	55	0.8	0.8	7.5			Under construction		
2402	04185-175U-COM	315638.6	6256253.9	12 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04185	U	175	NCA09	70	70	70	70	0.8	0.8	7.5					
2404	04195-032D-COM	315696.7	6256455.7	116 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	2	04195	D	32	NCA09	70	70	70	70	0.8	0.8	7.5					
2405	04200-263U-COM	315634.4	6256164.7	7 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04200	U	263	NCA09	70	70	70	70	0.8	0.8	7.5					
2407	04205-154U-COM	315662.4	6256269.7	12 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04205	U	154	NCA09	70	70	70	70	0.8	0.8	7.5					
2408	04225-144U-RES	315687.0	6256274.6	14 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04225	U	144	NCA09	68	63	58	48	0.4	0.26	7.5					
2409	04230-234U-COM	315670.4	6256185.9	11 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04230	U	234	NCA09	70	70	70	70	0.8	0.8	7.5					
2410	04235-221D-RES	315783.7	6256630.0	180A GEORGE STREET, PARRAMATTA 2150	RES	Residential		04235	D	221	NCA09	68	63	58	48	0.4	0.26	7.5					
2411	04240-017U-COM	315731.5	6256394.3	12 CHARLES STREET, PARRAMATTA 2150	COM	Commercial	2	04240	U	17	NCA09	70	70	70	70	0.8	0.8	7.5					
2412	04240-041D-COM	315742.9	6256454.5	20 CHARLES STREET, PARRAMATTA 2150	COM	Commercial	8	04240	D	41	NCA09	70	70	70	70	0.8	0.8	7.5					
2413	04245-050U-RES	315728.0	6256361.0	6-10 CHARLES STREET, PARRAMATTA 2150	RES	Residential	14	04245	U	50	NCA09	68	63	58	48	0.4	0.26	7.5					
2414	04255-217U-RES	315697.4	6256196.0	13-15 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04255	U	217	NCA09	68	63	58	48	0.4	0.26	7.5					
2415	04255-078U-COM	315732.5	6256331.2	4 CHARLES STREET, PARRAMATTA 2150	COM	Commercial	3	04255	U	78	NCA09	70	70	70	70	0.8	0.8	7.5					
2416	00425-069U-RES	314004.9	6257636.8	23 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00425	U	69	NCA04	59	54	53	52	0.4	0.26	7.5					
2417	04270-113U-RES	315734.2	6256294.1	2 CHARLES STREET, PARRAMATTA 2150	RES	Residential	9	04270	U	113	NCA09	68	63	58	48	0.4	0.26	7.5					
2419	04280-053D-RES	315788.6	6256455.0	5 UNION STREET, PARRAMATTA 2150	RES	Residential	9	04280	D	53	NCA09	68	63	58	48	0.4	0.26	7.5					
2420	04285-119D-RES	315807.3	6256518.2	107 GEORGE STREET, PARRAMATTA 2150	RES	Residential	20	04285	D	119	NCA09	68	63	58	48	0.4	0.26	7.5					
2421	04290-168U-RES	315740.7	6256236.4	17-19 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04290	U	168	NCA09	68	63	58	48	0.4	0.26	7.5					
2422	04295-299U-RES	315714.5	6256107.8	20-24 KENDALL STREET, HARRIS PARK 2150	RES	Residential		04295	U	299	NCA09	68	63	58	48	0.4	0.26	7.5					
2423	04305-193U-RES	315752.4	6256207.2	124 WIGRAM STREET, HARRIS PARK 2150	RES	Residential		04305	U	193	NCA09	68	63	58	48	0.4	0.26	7.5					
2424	00430-089U-RES	314024.1	6257629.2	21 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00430	U	89	NCA04	59	54	53	52	0.4	0.26	7.5					
2425	04310-156U-COM	315767.9	6256242.1	21 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04310	U	156	NCA09	70	70	70	70	0.8	0.8	7.5					
2426	04310-179D-COM	315844.4	6256571.0	182 George Street, Parramatta 2150	COM	Commercial	2	04310	D	179	NCA09	70	70	70	70	0.8	0.8	2.5	Heritage				
2427	04310-026D-RES	315809.5	6256422.4	128 MACQUARIE STREET, PARRAMATTA 2150	RES	Residential	8	04310	D	26	NCA09	68	63	58	48	0.4	0.26	7.5					
2429	04315-279U-RES	315741.8	6256121.9	7G PARKES STREET, HARRIS PARK 2150	RES	Residential		04315	U	279	NCA09	68	63	58	48	0.4	0.26	7.5					
2432	04340-024D-IND	315837.7	6256413.9	140 MACQUARIE STREET, PARRAMATTA 2150	IND	Industrial	6	04340	D	24	NCA09	75	75	75	75	1.6	1.6	7.5					
2433	04340-058D-COM	315844.0	6256447.8	140 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial	1	04340	D	58	NCA09	70	70	70	70	0.8	0.8	7.5					
2434	04345-144U-COM	315806.6	6256245.9	117 WIGRAM STREET, HARRIS PARK 2150	COM	Commercial		04345	U	144	NCA09	70	70	70	70	0.8	0.8	7.5					
2435	04345-162U-COM	315804.0	6256227.6	115 WIGRAM STREET, HARRIS PARK 2150	COM	Commercial		04345	U	162	NCA09	70	70	70	70	0.8	0.8	7.5					
2436	00435-108U-RES	314042.2	6257620.7	19 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00435	U	108	NCA04	59	54	53	52	0.4	0.26	7.5					
2437	04360-175U-RES	315814.6	6256211.7	111 WIGRAM STREET, HARRIS PARK 2150	RES	Residential		04360	U	175	NCA09	68	63	58	48	0.4	0.26	7.5					
2438	04360-252U-COM	315800.4	6256136.5	109A WIGRAM STREET, HARRIS PARK 2150	COM	Commercial		04360	U	252	NCA09	70	70	70	70	0.8	0.8	7.5					
2439	04360-036U-EDU	315841.2	6256348.6	34 HASSALL STREET, PARRAMATTA 2150	EDU	Educational		04360	U	36	NCA09	55	55	55	55	0.8	0.8	7.5					
2440	04365-268U-COM	315799.7	6256120.4	109 WIGRAM STREET, HARRIS PARK 2150	COM	Commercial		04365	U	268	NCA09	70	70	70	70	0.8	0.8	7.5					
2441	04375-021U-EDU	315863.3	6256359.6	34 HASSALL STREET, PARRAMATTA 2150	EDU	Educational	1	04375	U	21	NCA09	55	55	55	55	0.8	0.8	7.5					
2442	04380-205U-RES	315825.6	6256178.8	18 PARKES STREET, HARRIS PARK 2150	RES	Residential		04380	U	205	NCA09	68	63	58	48	0.4	0.26	7.5					
2443	04385-258U-COM	315816.7	6256126.3	9 PARKES STREET, HARRIS PARK 2150	COM	Commercial		04385	U	258	NCA09	70	70	70	70	0.8	0.8	7.5					
2444	04400-258U-COM	315826.4	6256124.3	11 PARKES STREET, HARRIS PARK 2150	COM	Commercial		04400	U	258	NCA09	70	70	70	70	0.8	0.8	7.5					
2445	00440-129U-RES	314060.4	6257610.8	17 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00440	U	129	NCA04	59	54	53	52	0.4	0.26	7.5					
2447	04410-296U-COM	315829.3	6256083.9	105 WIGRAM STREET, HARRIS PARK 2150	COM	Commercial		04410	U	296	NCA09	70	70	70	70	0.8	0.8	7.5					
2449	04415-113U-RES	315876.0	6256261.1	31-37 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04415	U	113	NCA09	68	63	58	48	0.4	0.26	7.5					
2450	04420-255U-COM	315846.2	6256122.7	15 PARKES STREET, HARRIS PARK 2150	COM	Commercial		04420	U	255	NCA09	70	70	70	70	0.8	0.8	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2451	04425-198U-COM	315867.0	6256175.8	22 PARKES STREET, HARRIS PARK 2150	COM	Commercial		04425	U	198	NCA09	70	70	70	70	0.8	0.8	7.5					
2452	04435-256U-RES	315860.6	6256118.2	17 PARKES STREET, HARRIS PARK 2150	RES	Residential		04435	U	256	NCA09	68	63	58	48	0.4	0.26	7.5					
2453	04440-174U-COM	315888.8	6256195.4	24 PARKES STREET, HARRIS PARK 2150	COM	Commercial		04440	U	174	NCA09	70	70	70	70	0.8	0.8	7.5					
2455	00445-146U-RES	314076.6	6257603.3	15 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00445	U	146	NCA04	59	54	53	52	0.4	0.26	7.5					
2456	00445-161U-RES	314089.6	6257595.1	13 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00445	U	161	NCA04	59	54	53	52	0.4	0.26	7.5					
2459	00445-037U-RES	313992.8	6257673.2	185 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00445	U	37	NCA04	59	54	53	52	0.4	0.26	7.5					
2460	04455-252U-RES	315880.6	6256117.1	19 PARKES STREET, HARRIS PARK 2150	RES	Residential		04455	U	252	NCA09	68	63	58	48	0.4	0.26	7.5					
2461	04470-147U-RES	315923.9	6256214.0	116 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04470	U	147	NCA09	68	63	58	48	0.4	0.26	7.5					
2462	04470-169U-COM	315919.3	6256193.0	114 HARRIS STREET, HARRIS PARK 2150	COM	Commercial		04470	U	169	NCA09	70	70	70	70	0.8	0.8	7.5					
2463	04470-298U-RES	315888.1	6256067.8	8 UNA STREET, HARRIS PARK 2150	RES	Residential		04470	U	298	NCA09	68	63	58	48	0.4	0.26	7.5					
2464	04475-249U-RES	315905.8	6256113.6	21 PARKES STREET, HARRIS PARK 2150	RES	Residential		04475	U	249	NCA09	68	63	58	48	0.4	0.26	7.5					
2465	04480-285U-RES	315909.8	6256076.1	112 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04480	U	285	NCA09	68	63	58	48	0.4	0.26	7.5					
2466	04485-243U-RES	315962.9	6256111.4	95 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04485	U	243	NCA09	68	63	58	48	0.4	0.26	7.5					
2467	04485-258U-RES	315963.0	6256096.3	93 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04485	U	258	NCA09	68	63	58	48	0.4	0.26	7.5					
2468	04485-274U-RES	315970.3	6256079.8	91 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04485	U	274	NCA09	68	63	58	48	0.4	0.26	7.5					
2469	04485-287U-RES	315968.5	6256067.1	89 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04485	U	287	NCA09	68	63	58	48	0.4	0.26	7.5					
2470	04490-284U-RES	316005.4	6256071.0	2 RUSE STREET, HARRIS PARK 2150	RES	Residential		04490	U	284	NCA09	68	63	58	48	0.4	0.26	7.5					
2471	04490-300U-RES	316020.1	6256056.9	4 RUSE STREET, HARRIS PARK 2150	RES	Residential		04490	U	300	NCA09	68	63	58	48	0.4	0.26	7.5					
2472	00450-180U-RES	314106.2	6257586.4	11 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00450	U	180	NCA04	59	54	53	52	0.4	0.26	7.5					
2473	04515-026U-ARC	316025.7	6256363.7	115 Harris St, Paramatta 2150	ARC	Active Recreation		04515	U	26	NCA09	65	65	65	65	n/a	n/a	n/a					
2474	00045-147U-RES	313869.2	6257301.1	8 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00045	U	147	NCA03	61	56	53	48	0.4	0.26	7.5					
2475	04560-021U-COM	316031.6	6256409.4	115 Harris St, Paramatta 2150	COM	Commercial	1	04560	U	21	NCA09	70	70	70	70	0.8	0.8	7.5					
2476	04595-041D-COM	315975.8	6256458.5	135 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	04595	D	41	NCA09	70	70	70	70	0.8	0.8	7.5					
2477	00460-191U-RES	314121.3	6257586.8	11 CAROLINE STREET, WESTMEAD 2145	RES	Residential		00460	U	191	NCA04	59	54	53	52	0.4	0.26	7.5					
2478	04605-148D-COM	315902.1	6256549.1	190 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	04605	D	148	NCA09	70	70	70	70	0.8	0.8	7.5					
2479	04610-120D-COM	315927.4	6256536.2	190 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	2	04610	D	120	NCA09	70	70	70	70	0.8	0.8	7.5					
2480	04625-300D-EDU	315994.5	6256767.6	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	300	NCA10	55	55	55	55	0.8	0.8	7.5					
2481	04650-244D-RES	316145.1	6256694.9	16 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04650	D	244	NCA10	53	48	45	39	0.4	0.26	7.5					
2482	04650-269D-RES	316154.8	6256717.8	20 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04650	D	269	NCA10	53	48	45	39	0.4	0.26	7.5					
2483	04650-281D-RES	316157.6	6256729.8	22 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04650	D	281	NCA10	53	48	45	39	0.4	0.26	7.5					
2484	04655-196D-RES	316133.0	6256648.4	8 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04655	D	196	NCA10	53	48	45	39	0.4	0.26	7.5					
2485	04655-257D-RES	316151.9	6256706.0	18 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04655	D	257	NCA10	53	48	45	39	0.4	0.26	7.5					
2486	04660-220D-RES	316146.0	6256669.3	12 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04660	D	220	NCA10	53	48	45	39	0.4	0.26	7.5					
2487	04660-232D-RES	316148.2	6256681.1	14 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04660	D	232	NCA10	53	48	45	39	0.4	0.26	7.5					
2488	04675-272D-RES	316177.7	6256712.7	1 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04675	D	272	NCA10	53	48	45	39	0.4	0.26	7.5					
2489	04690-274D-RES	316189.8	6256710.3	3 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04690	D	274	NCA10	53	48	45	39	0.4	0.26	7.5					
2490	04695-233D-RES	316182.1	6256669.1	10 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04695	D	233	NCA10	53	48	45	39	0.4	0.26	7.5					
2491	04700-277D-RES	316204.0	6256707.8	5 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04700	D	277	NCA10	53	48	45	39	0.4	0.26	7.5					
2494	04705-247D-RES	316197.7	6256678.5	10 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04705	D	247	NCA10	53	48	45	39	0.4	0.26	7.5					
2495	04715-224D-RES	316197.4	6256654.2	10 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04715	D	224	NCA10	53	48	45	39	0.4	0.26	7.5					
2496	04715-279D-RES	316218.2	6256705.3	7 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04715	D	279	NCA10	53	48	45	39	0.4	0.26	7.5					
2497	04720-201D-RES	316194.9	6256631.0	10 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04720	D	201	NCA10	53	48	45	39	0.4	0.26	7.5					
2498	04735-046U-MED	316122.6	6256391.0	153 GEORGE STREET, PARRAMATTA 2150	MED	Medical	2	04735	U	46	NCA09	65	65	65	65	0.8	0.8	2.5	Heritage		Liegh Lodge - Counselling Services		
2499	04745-245D-RES	316232.5	6256663.4	9-11 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04745	D	245	NCA10	53	48	45	39	0.4	0.26	7.5					
2500	04750-177D-RES	316215.6	6256597.3	9-11 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04750	D	177	NCA10	53	48	45	39	0.4	0.26	7.5					
2501	00475-035U-RES	314010.5	6257697.6	189 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00475	U	35	NCA04	59	54	53	52	0.4	0.26	7.5					
2502	04760-283D-RES	316261.2	6256693.8	11A NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04760	D	283	NCA10	53	48	45	39	0.4	0.26	7.5					
2503	04775-291D-RES	316276.0	6256696.8	15 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04775	D	291	NCA10	53	48	45	39	0.4	0.26	7.5					
2504	04780-192D-RES	316250.4	6256600.7	9-11 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04780	D	192	NCA10	53	48	45	39	0.4	0.26	7.5					
2505	04780-210D-RES	316253.2	6256618.6	3 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04780	D	210	NCA10	53	48	45	39	0.4	0.26	7.5					
2506	04785-256D-RES	316274.9	6256659.6	9 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04785	D	256	NCA10	53	48	45	39	0.4	0.26	7.5					
2507	04785-294D-RES	316292.9	6256693.5	17 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04785	D	294	NCA10	53	48	45	39	0.4	0.26	7.5					
2508	04790-227D-RES	316272.0	6256629.5	5 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04790	D	227	NCA10	53	48	45	39	0.4	0.26	7.5					
2509	04790-240D-RES	316276.9	6256642.2	7 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04790	D	240	NCA10	53	48	45	39	0.4	0.26	7.5					
2510	04790-273D-RES	316288.9	6256672.2	11 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04790	D	273	NCA10	53	48	45	39	0.4	0.26	7.5					
2511	04795-150U-RES	316138.7	6256273.7	42 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04795	U	150	NCA11	53	48	45	39	0.4	0.26	7.5					
2512	04800-166U-RES	316134.5	6256257.9	42 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04800	U	166	NCA11	53	48	45	39	0.4	0.26	7.5					
2514	04815-263D-RES	316324.5	6256646.4	6 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04815	D	263	NCA10	53	48	45	39	0.4	0.26	7.5					
2515	04815-278D-RES	316327.7	6256661.5	8 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04815	D	278	NCA10	53	48	45	39	0.4	0.26	7.5					
2516	04815-293D-RES	316331.1	6256676.4	10 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04815	D	293	NCA10	53	48	45	39	0.4	0.26	7.5					
2517	04820-146U-RES	316156.1	6256270.5	44 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04820	U	146	NCA11	53	48	45	39	0.4	0.26	7.5					
2518	04820-230D-RES	316317.0	6256613.8	2 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04820	D	230	NCA10	53	48	45	39	0.4	0.26	7.5					
2519	04820-247D-RES	316321.1	6256630.9	4 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04820	D	247	NCA10	53	48	45	39	0.4	0.26	7.5					
2520	04825-170U-RES	316150.1	6256247.0	44 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04825	U	170	NCA11	53	48	45	39	0.4	0.26	7.5					
2521	04840-139U-RES	316171.5	6256270.3	46 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04840	U	139	NCA11	53	48	45	39	0.4	0.26	7.5					
2522	04840-257D-RES	316355.4	6256625.7	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04840	D	257	NCA10	53	48	45	39	0.4	0.26	7.5					
2523	04850-164U-RES	316167.2	6256245.3	46 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04850	U	164	NCA11	53	48	45	39	0.4	0.26	7.5					
2524	04850-081U-PoW	316204.7	6256318.7	163-165 GEORGE STREET, PARRAMATTA 2150	PoW	Place of Worship	2	04850	U	81	NCA09	55	55	55	55	0.8	0.8	7.5					
2526	00485-061U-RES	314034.5	6257686.6	26 HELEN STREET, WESTMEAD 2145	RES	Residential		00485	U	61	NCA04	59	54	53	52	0.4	0.26	7.5					
2527	04860-133U-RES	316186.8	6256269.9	48 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04860	U	133	NCA11	53	48	45	39	0.4	0.26	7.5					
2528	04860-298D-RES	316402.8	6256646.5	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04860	D	298	NCA10	53	48	45	39	0.4	0.26	7.5					
2529	04870-154U-RES	316182.6	6256247.3	48 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04870	U	154	NCA11	53	48	45	39	0.4	0.26	7.5					
2530	04890-143U-RES	316201.8	6256248.5	50-52 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04890	U	143	NCA11	53	48	45	39	0.4	0.26	7.5					
2531	04905-145U-RES	316215.9	6256237.5	54 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04905	U	145	NCA11	53	48	45	39	0.4	0.26	7.5					
2532	00490-078U-RES	314049.7	6257677.8	24 HELEN STREET, WESTMEAD 2145	RES	Residential		00490	U	78	NCA04	59	54	53	52	0.4	0.26	7.5					
2533	04915-142U-RES	316226.4	6256234.6	56 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04915	U	142	NCA11	53	48	45	39	0.4	0.26	7.5					
2534	04915-025D-RES	316313.1	6256381.9	1A NOLLER PARADE, PARRAMATTA 2150	RES	Residential	3	04915	D	25	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2535	04920-100U-RES	316250.0	6256269.7	3 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04920	U	100	NCA11	53	48	45	39	0.4	0.26	7.5					
2536	04920-118U-RES	316240.7	6256254.9	5 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04920	U	118	NCA11	53	48	45	39	0.4	0.26	7.5					
2537	04930-142U-RES	316239.2	6256227.7	58 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04930	U	142	NCA11	53	48	45	39	0.4	0.26	7.5					
2538	04945-055U-RES	316295.2	6256295.0	167 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	04945	U	55	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2539	04930-080D-RES	316358.2	6256418.9	2 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	04930	D	80	NCA11	53	48	45	39	0.4	0.26	7.5					
2540	04935-030D-RES	316336.4	6256373.8	200 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	04935	D	30	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2541	04950-031U-RES	316312.2	6256313.0	169 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	04950	U	31	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2542	04940-137U-RES	316250.0	6256227.0	60 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04940	U	137	NCA11	53	48	45	39	0.4	0.26	7.5					
2543	04965-082U-RES	316297.9	6256261.7	10 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04965	U	82	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2544	04950-089D-RES	316378.4	6256417.0	6 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	04950	D	89	NCA11	53	48	45	39	0.4	0.26	7.5					
2546	00495-031U-RES	314019.6	6257714.1	191 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00495	U	31	NCA04	59	54	53	52	0.4	0.26	7.5					
2547	04970-092U-RES	316296.7	6256250.5	8 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04970	U	92	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2548	00495-097U-RES	314067.2	6257668.3	22 HELEN STREET, WESTMEAD 2145	RES	Residential		00495	U	97	NCA04	59	54	53	52	0.4	0.26	7.5					
2549	04975-102U-RES	316296.7	6256238.9	6 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04975	U	102	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2550	04960-053D-RES	316368.8	6256380.1	3 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	04960	D	53	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2551	04975-113U-RES	316294.6	6256227.8	4 PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04975	U	113	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2552	04980-123U-RES	316293.7	6256216.5	2A PURCHASE STREET, PARRAMATTA 2150	RES	Residential		04980	U	123	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2553	04965-059U-RES	316313.0	6256279.1	169 GEORGE STREET, PARRAMATTA 2150	RES	Residential		04965	U	59	NCA11	53	48	45	39	0.4	0.26	7.5					
2554	04965-093D-RES	316392.6	6256413.0	8 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	04965	D	93	NCA11	53	48	45	39	0.4	0.26	7.5					
2555	04970-022D-RES	316360.3	6256349.2	202 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	04970	D	22	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2556	04970-029U-COM	316332.8	6256302.8	171 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	04970	U	29	NCA11	70	70	70	70	0.4	0.3	7.5					
2557	04975-219U-COM	316237.9	6256137.6	47 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04975	U	219	NCA11	70	70	70	70	0.8	0.8	7.5					
2558	04985-026U-RES	316350.7	6256295.8	173 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	04985	U	26	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2559	04985-191U-COM	316277.1	6256148.1	47 HASSALL STREET, PARRAMATTA 2150	COM	Commercial		04985	U	191	NCA11	70	70	70	70	0.8	0.8	7.5					
2560	04990-258U-COM	316264.7	6256080.2	2A GREGORY PLACE, HARRIS PARK 2150	COM	Commercial		04990	U	258	NCA11	70	70	70	70	0.8	0.8	7.5					
2561	04990-059D-RES	316389.4	6256375.0	5 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	04990	D	59	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2562	04990-087U-RES	316326.6	6256239.2	62 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04990	U	87	NCA11	53	48	45	39	0.4	0.26	7.5					
2563	04995-017D-RES	316377.8	6256334.9	204 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	04995	D	17	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2564	05000-085U-RES	316346.2	6256234.0	64-66 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05000	U	85	NCA11	53	48	45	39	0.4	0.26	7.5					
2565	00500-125U-RES	314089.9	6257652.9	18 HELEN STREET, WESTMEAD 2145	RES	Residential		00500	U	125	NCA04	59	54	53	52	0.4	0.26	7.5					
2567	05005-032U-RES	316370.3	6256281.7	175 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05005	U	32	NCA11	53	48	45	39	0.4	0.26	7.5					
2568	05010-084U-RES	316361.2	6256230.6	64-66 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05010	U	84	NCA11	53	48	45	39	0.4	0.26	7.5					
2569	05010-097D-RES	316410.0	6256408.1	10 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	05010	D	97	NCA11	53	48	45	39	0.4	0.26	7.5					
2570	05015-034U-RES	316383.1	6256276.8	179 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05015	U	34	NCA11	53	48	45	39	0.4	0.26	7.5					
2571	05025-017D-RES	316403.2	6256327.3	210 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	05025	D	17	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2572	05030-100D-RES	316427.8	6256407.2	12 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	05030	D	100	NCA11	53	48	45	39	0.4	0.26	7.5					
2573	05030-032U-RES	316397.2	6256274.9	181 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05030	U	32	NCA11	53	48	45	39	0.4	0.26	7.5					
2574	05030-059D-RES	316416.6	6256367.9	11 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	05030	D	59	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2575	05030-071U-RES	316384.5	6256237.9	68 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05030	U	71	NCA11	53	48	45	39	0.4	0.26	7.5					
2576	05030-096U-RES	316381.9	6256213.2	68 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05030	U	96	NCA11	53	48	45	39	0.4	0.26	7.5					
2577	05045-105D-RES	316443.1	6256408.3	14 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	05045	D	105	NCA11	53	48	45	39	0.4	0.26	7.5					
2578	05045-144U-RES	316386.2	6256163.1	69 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05045	U	144	NCA11	53	48	45	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2579	05045-029U-RES	316412.8	6256274.4	183 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05045	U	29	NCA11	53	48	45	39	0.4	0.26	7.5					
2580	05045-057D-RES	316433.0	6256362.0	13 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	05045	D	57	NCA11	53	48	45	39	0.4	0.26	7.5					
2581	05050-019D-RES	316429.5	6256323.4	214 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	05050	D	19	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2582	00505-154U-RES	314116.3	6257638.9	14 HELEN STREET, WESTMEAD 2145	RES	Residential		00505	U	154	NCA04	59	54	53	52	0.4	0.26	7.5					
2583	00505-204U-RES	314152.9	6257604.6	2-6 HELEN STREET, WESTMEAD 2145	RES	Residential		00505	U	204	NCA04	59	54	53	52	0.4	0.26	7.5					
2584	05055-057D-RES	316443.7	6256359.3	15 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	05055	D	57	NCA11	53	48	45	39	0.4	0.26	7.5					
2585	05055-082U-RES	316408.3	6256221.4	72 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05055	U	82	NCA11	53	48	45	39	0.4	0.26	7.5					
2586	05060-177U-RES	316390.0	6256128.1	20 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05060	U	177	NCA11	53	48	45	39	0.4	0.26	7.5					
2587	05060-185U-RES	316389.2	6256119.9	20 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05060	U	185	NCA11	53	48	45	39	0.4	0.26	7.5					
2588	05060-224U-RES	316378.7	6256081.8	12 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05060	U	224	NCA11	53	48	45	39	0.4	0.26	7.5					
2589	05060-237U-RES	316377.4	6256069.4	10 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05060	U	237	NCA11	53	48	45	39	0.4	0.26	7.5					
2590	05060-210U-RES	316384.9	6256095.0	14 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05060	U	210	NCA11	53	48	45	39	0.4	0.26	7.5					
2591	05065-248U-RES	316376.3	6256057.9	8 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05065	U	248	NCA11	53	48	45	39	0.4	0.26	7.5					
2592	05065-260U-RES	316374.8	6256046.2	6 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05065	U	260	NCA11	53	48	45	39	0.4	0.26	7.5					
2593	05065-026U-RES	316431.0	6256273.3	185 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05065	U	26	NCA11	53	48	45	39	0.4	0.26	7.5					
2594	05070-147U-RES	316404.9	6256154.8	71-73 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05070	U	147	NCA11	53	48	45	39	0.4	0.26	7.5					
2595	05070-274U-RES	316377.2	6256031.2	4 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05070	U	274	NCA11	53	48	45	39	0.4	0.26	7.5					
2596	05075-022D-RES	316452.5	6256320.4	216 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	05075	D	22	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2597	05075-061D-RES	316461.7	6256358.4	19 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	2	05075	D	61	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2598	05075-091U-RES	316424.8	6256207.7	74 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05075	U	91	NCA11	53	48	45	39	0.4	0.26	7.5					
2599	05080-235U-RES	316394.1	6256066.7	10 GREGORY PLACE, HARRIS PARK 2150	RES	Residential		05080	U	235	NCA11	53	48	45	39	0.4	0.26	7.5					
2600	05085-137U-RES	316424.5	6256160.5	75 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05085	U	137	NCA11	53	48	45	39	0.4	0.26	7.5					
2601	05085-090U-RES	316437.5	6256205.8	76 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05085	U	90	NCA11	53	48	45	39	0.4	0.26	7.5					
2602	05090-037U-COM	316454.1	6256256.4	187 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	1	05090	U	37	NCA11	70	70	70	70	0.8	0.8	7.5					
2603	05095-057U-RES	316453.7	6256235.6	152 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05095	U	57	NCA11	53	48	45	39	0.4	0.26	7.5					
2604	00050-095D-EDU	313652.2	6257415.0	158-164 HAWKESBURY ROAD, WESTMEAD 2145	EDU	Educational	2	00050	D	95	NCA02	55	55	55	55	0.8	0.8	7.5					
2605	05100-157U-RES	316433.4	6256137.4	150 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05100	U	157	NCA11	53	48	45	39	0.4	0.26	7.5					
2606	05100-025D-RES	316480.1	6256316.8	220 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05100	D	25	NCA11	53	48	45	39	0.4	0.26	2.5	Heritage				
2607	05100-087U-RES	316449.2	6256205.6	78 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05100	U	87	NCA11	53	48	45	39	0.4	0.26	7.5					
2609	05105-132U-RES	316445.1	6256160.0	75 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05105	U	132	NCA11	53	48	45	39	0.4	0.26	7.5					
2610	05105-170U-RES	316435.6	6256123.8	148 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05105	U	170	NCA11	53	48	45	39	0.4	0.26	7.5					
2611	05105-181U-RES	316433.1	6256112.8	146A ALFRED STREET, HARRIS PARK 2150	RES	Residential		05105	U	181	NCA11	53	48	45	39	0.4	0.26	7.5					
2612	05105-193U-RES	316428.9	6256101.2	144 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05105	U	193	NCA11	53	48	45	39	0.4	0.26	7.5					
2613	05105-205U-RES	316427.6	6256089.3	142 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05105	U	205	NCA11	53	48	45	39	0.4	0.26	7.5					
2614	05110-218U-RES	316432.3	6256075.5	140 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	218	NCA11	53	48	45	39	0.4	0.26	7.5					
2615	05110-229U-RES	316425.5	6256065.8	138 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	229	NCA11	53	48	45	39	0.4	0.26	7.5					
2616	05110-241U-RES	316426.1	6256052.4	136 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	241	NCA11	53	48	45	39	0.4	0.26	7.5					
2617	05110-254U-RES	316426.2	6256039.9	134 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	254	NCA11	53	48	45	39	0.4	0.26	7.5					
2618	05110-265U-RES	316424.3	6256028.2	132 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	265	NCA11	53	48	45	39	0.4	0.26	7.5					
2619	05110-282U-RES	316419.8	6256012.1	130 ALFRED STREET, HARRIS PARK 2150	RES	Residential		05110	U	282	NCA11	53	48	45	39	0.4	0.26	7.5					
2620	05120-131U-RES	316482.3	6256155.3	79 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05120	U	131	NCA11	53	48	45	39	0.4	0.26	7.5					
2621	05115-154U-RES	316479.4	6256132.5	117 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05115	U	154	NCA11	53	48	45	39	0.4	0.26	7.5					
2622	05115-241U-RES	316473.9	6256045.6	109 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05115	U	241	NCA11	53	48	45	39	0.4	0.26	7.5					
2623	05115-259U-RES	316474.3	6256027.4	107 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05115	U	259	NCA11	53	48	45	39	0.4	0.26	7.5					
2624	05115-271U-RES	316469.7	6256015.4	105 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05115	U	271	NCA11	53	48	45	39	0.4	0.26	7.5					
2625	05120-132U-RES	316501.5	6256153.7	81 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05120	U	132	NCA11	53	48	45	39	0.4	0.26	7.5					
2626	05120-169U-RES	316483.2	6256116.9	115A ALFRED STREET, PARRAMATTA 2150	RES	Residential		05120	U	169	NCA11	53	48	45	39	0.4	0.26	7.5					
2627	05120-181U-RES	316483.4	6256105.0	115 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05120	U	181	NCA11	53	48	45	39	0.4	0.26	7.5					
2628	05120-192U-RES	316480.5	6256093.7	113 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05120	U	192	NCA11	53	48	45	39	0.4	0.26	7.5					
2629	05120-193U-RES	316501.1	6256092.8	2A OAK STREET, PARRAMATTA 2150	RES	Residential		05120	U	193	NCA11	53	48	45	39	0.4	0.26	7.5					
2630	05120-198U-RES	316516.3	6256088.7	2 OAK STREET, PARRAMATTA 2150	RES	Residential		05120	U	198	NCA11	53	48	45	39	0.4	0.26	7.5					
2631	05120-204U-RES	316479.9	6256081.8	111 ALFRED STREET, PARRAMATTA 2150	RES	Residential		05120	U	204	NCA11	53	48	45	39	0.4	0.26	7.5					
2632	05120-248U-RES	316495.4	6256038.1	1 OAK STREET, PARRAMATTA 2150	RES	Residential		05120	U	248	NCA11	53	48	45	39	0.4	0.26	7.5					
2633	05120-247U-RES	316506.8	6256038.8	3 OAK STREET, PARRAMATTA 2150	RES	Residential		05120	U	247	NCA11	53	48	45	39	0.4	0.26	7.5					
2634	05120-251U-RES	316519.0	6256036.2	5 OAK STREET, PARRAMATTA 2150	RES	Residential		05120	U	251	NCA11	53	48	45	39	0.4	0.26	7.5					
2635	05120-065U-COM	316496.5	6256221.0	121 ALFRED STREET, PARRAMATTA 2150	COM	Commercial		05120	U	65	NCA11	70	70	70	70	0.8	0.8	7.5					
2636	05120-085U-COM	316492.8	6256200.2	119 ALFRED STREET, PARRAMATTA 2150	COM	Commercial		05120	U	85	NCA11	70	70	70	70	0.8	0.8	7.5					
2637	05125-139U-RES	316521.9	6256149.1	85 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05125	U	139	NCA11	53	48	45	39	0.4	0.26	7.5					
2638	05125-212U-RES	316560.5	6256082.8	8 OAK STREET, PARRAMATTA 2150	RES	Residential		05125	U	212	NCA11	53	48	45	39	0.4	0.26	7.5					
2639	05125-212U-RES	316549.7	6256080.9	6 OAK STREET, PARRAMATTA 2150	RES	Residential		05125	U	212	NCA11	53	48	45	39	0.4	0.26	7.5					
2640	05125-252U-RES	316532.3	6256036.2	7 OAK STREET, PARRAMATTA 2150	RES	Residential		05125	U	252	NCA11	53	48	45	39	0.4	0.26	7.5					
2641	05125-256U-RES	316550.2	6256034.9	9 OAK STREET, PARRAMATTA 2150	RES	Residential		05125	U	256	NCA11	53	48	45	39	0.4	0.26	7.5					
2642	05125-264U-RES	316570.0	6256031.7	11 OAK STREET, PARRAMATTA 2150	RES	Residential		05125	U	264	NCA11	53	48	45	39	0.4	0.26	7.5					
2643	05125-055U-COM	316505.4	6256231.2	123 ALFRED STREET, PARRAMATTA 2150	COM	Commercial		05125	U	55	NCA11	70	70	70	70	0.8	0.8	7.5					
2644	05125-088U-RES	316517.5	6256200.2	80 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05125	U	88	NCA11	53	48	45	39	0.4	0.26	7.5					
2645	05130-154U-RES	316562.0	6256144.7	89 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05130	U	154	NCA11	53	48	45	39	0.4	0.26	7.5					
2646	05130-165U-RES	316579.0	6256140.7	91 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05130	U	165	NCA11	53	48	45	39	0.4	0.26	7.5					
2647	05130-215U-RES	316571.2	6256082.9	10 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	215	NCA11	53	48	45	39	0.4	0.26	7.5					
2648	05130-220U-RES	316581.7	6256081.7	12 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	220	NCA11	53	48	45	39	0.4	0.26	7.5					
2649	05130-229U-RES	316594.5	6256077.2	14 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	229	NCA11	53	48	45	39	0.4	0.26	7.5					
2650	05130-239U-RES	316615.5	6256075.9	16 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	239	NCA11	53	48	45	39	0.4	0.26	7.5					
2651	05130-272U-RES	316592.6	6256030.5	13 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	272	NCA11	53	48	45	39	0.4	0.26	7.5					
2652	05130-281U-RES	316606.9	6256025.9	15 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	281	NCA11	53	48	45	39	0.4	0.26	7.5					
2653	05130-289U-RES	316620.7	6256023.0	17 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	289	NCA11	53	48	45	39	0.4	0.26	7.5					
2654	05130-297U-RES	316633.8	6256020.9	19 OAK STREET, PARRAMATTA 2150	RES	Residential		05130	U	297	NCA11	53	48	45	39	0.4	0.26	7.5					
2655	05130-036U-COM	316522.8	6256256.4	127 ALFRED STREET, PARRAMATTA 2150	COM	Commercial	2	05130	U	36	NCA11	70	70	70	70	0.8	0.8	7.5					
2656	05130-044U-COM	316514.2	6256245.1	125 ALFRED STREET, PARRAMATTA 2150	COM	Commercial		05130	U	44	NCA11	70	70	70	70	0.8	0.8	7.5					
2657	05130-087U-RES	316530.9	6256205.0	82 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05130	U	87	NCA11	53	48	45	39	0.4	0.26	7.5					
2658	05130-096U-RES	316546.3	6256201.5	84 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05130	U	96	NCA11	53	48	45	39	0.4	0.26	7.5					
2659	05135-103U-RES	316560.6	6256201.2	86 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	103	NCA11	53	48	45	39	0.4	0.26	7.5					
2660	05135-113U-RES	316578.2	6256200.9	88 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	113	NCA11	53	48	45	39	0.4	0.26	7.5					
2661	05135-172U-RES	316597.5	6256142.9	91A HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	172	NCA11	53	48	45	39	0.4	0.26	7.5					
2662	05135-178U-RES	316606.7	6256141.9	93 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	178	NCA11	53	48	45	39	0.4	0.26	7.5					
2663	05135-194U-RES	316626.8	6256136.6	95 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	194	NCA11	53	48	45	39	0.4	0.26	7.5					
2664	05135-195U-RES	316614.3	6256126.5	95 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05135	U	195	NCA11	53	48	45	39	0.4	0.26	7.5					
2665	05135-208U-RES	316608.2	6256107.0	16 OAK STREET, PARRAMATTA 2150	RES	Residential		05135	U	208	NCA11	53	48	45	39	0.4	0.26	7.5					
2666	05135-216U-RES	316606.8	6256097.8	14 OAK STREET, PARRAMATTA 2150	RES	Residential		05135	U	216	NCA11	53	48	45	39	0.4	0.26	7.5					
2667	05135-252U-RES	316638.0	6256073.4	18 OAK STREET, PARRAMATTA 2150	RES	Residential		05135	U	252	NCA11	53	48	45	39	0.4	0.26	7.5					
2668	05135-027U-COM	316527.3	6256270.6	127A ALFRED STREET, PARRAMATTA 2150	COM	Commercial	1	05135	U	27	NCA11	70	70	70	70	0.8	0.8	7.5					
2669	05140-122U-RES	316588.9	6256198.2	90 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05140	U	122	NCA11	53	48	45	39	0.4	0.26	7.5					
2670	05140-135U-RES	316607.6	6256197.3	92 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05140	U	135	NCA11	53	48	45	39	0.4	0.26	7.5					
2671	05140-054U-RES	316552.3	6256256.9	199 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05140	U	54	NCA11	53	48	45	39	0.4	0.26	7.5					
2672	05145-067U-RES	316567.0	6256253.4	201 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05145	U	67	NCA11	53	48	45	39	0.4	0.26	7.5					
2673	05145-084U-RES	316585.1	6256250.2	203 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05145	U	84	NCA11	53	48	45	39	0.4	0.26	7.5					
2674	00515-177U-RES	314139.7	6257629.2	2-6 HELEN STREET, WESTMEAD 2145	RES	Residential		00515	U	177	NCA04	59	54	53	52	0.4	0.26	7.5					
2675	05155-010U-RES	316531.4	6256305.6	129 ALFRED STREET, PARRAMATTA 2150	RES	Residential	1	05155	U	10	NCA11	53	48	45	39	0.4	0.26	7.5			To be demolished by PLR		
2676	05165-032U-RES	316555.3	6256308.2	4 TRAMWAY AVENUE, PARRAMATTA 2150	RES	Residential	1	05165	U	32	NCA11	53	48	45	39	0.4	0.26	7.5					
2677	05170-029D-RES	316495.1	6256333.8	220 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05170	D	29	NCA11	53	48	45	39	0.4	0.26	7.5					
2678	05170-045U-RES	316568.4	6256307.5	224 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	05170	U	45	NCA11	53	48	45	39	0.4	0.26	7.5					
2679	05170-009U-RES	316534.4	6256320.4	131 ALFRED STREET, PARRAMATTA 2150	RES	Residential	1	05170	U	9	NCA11	53	48	45	39	0.4	0.26	7.5			To be demolished by PLR		
2680	05185-010U-RES	316539.9	6256334.7	133 ALFRED STREET, PARRAMATTA 2150	RES	Residential	1	05185	U	10	NCA11	53	48	45	39	0.4	0.26	7.5			To be demolished by PLR		
2681	05190-042D-RES	316488.6	6256354.0	220 GEORGE STREET, PARRAMATTA 2150	RES	Residential	3	05190	D	42	NCA11	53	48	45	39	0.4	0.26	7.5					
2682	05200-079D-RES	316473.7	6256403.7	18 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	4	05200	D	79	NCA11	53	48	45	39	0.4	0.26	7.5					
2683	05200-092D-RES	316459.3	6256406.0	16-18 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	4	05200	D	92	NCA11	53	48	45	39	0.4	0.26	7.5					
2684	05205-052D-RES	316507.1	6256398.0	22 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	1	05205	D	52	NCA11	53	48	45	39	0.4	0.26	7.5					
2685	05205-070D-RES	316492.8	6256410.1	20 NOLLER PARADE, PARRAMATTA 2150	RES	Residential	4	05205	D	70	NCA11	53	48	45	39	0.4	0.26	7.5					
2686	05225-047D-RES	316562.0	6256407.8	2-8 RIVER ROAD-WEST, PARRAMATTA 2150	RES	Residential	13	05225	D	47	NCA11	53	48	45	39	0.4	0.26	7.5					
2687	05240-029U-RES	316559.9	6256327.0	4 TRAMWAY AVENUE, PARRAMATTA 2150	RES	Residential	1	05240	U	29	NCA11	53	48	45	39	0.4	0.26	7.5					
2688	05255-025U-RES	316574.9	6256327.5	224 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05255	U	25	NCA11	53	48	45	39	0.4	0.26	7.5					
2689	05265-044U-RES	316580.9	6256305.8	226 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05265	U	44	NCA11	53	48	45	39	0.4	0.26	7.5					
2690	05275-044U-RES	316593.0	6256303.0	228 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05275	U	44	NCA11	53	48	45	39	0.4	0.26	7.5					
2691	05275-092D-RES	316629.2	6256437.6	2-8 RIVER ROAD-WEST, PARRAMATTA 2150	RES	Residential	11	05275	D	92	NCA11	53	48	45	39	0.4	0.26	7.5					
2692	05290-045U-RES	316605.0	6256299.1	230 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05290	U	45	NCA11	53	48	45	39	0.4	0.26	7.5					
2693	05300-043U-RES	316617.3	6256297.4	232 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05300	U	43	NCA11	53	48	45	39	0.4	0.26	7.5					
2694	05300-093U-RES	316601.2	6256249.8	205 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05300	U	93	NCA11	53	48	45	39	0.4	0.26	7.5					
2695	00530-204U-RES	314170.3	6257624.1	2-6 HELEN STREET, WESTMEAD 2145	RES	Residential		00530	U	204	NCA04	59	54	53	52	0.4	0.26	7.5					
2696	00530-276U-RES	314224.4	6257575.7	17 PARK AVENUE, WESTMEAD 2145	RES	Residential		00530	U	276	NCA04	59	54	53	52	0.4	0.26	7.5					
2697	05315-042U-RES	316629.3	6256295.2	234 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05315	U	42	NCA11	53	48	45	39	0.4	0.26	7.5					
2698	05315-095U-RES	316615.0	6256244.3	207 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05315	U	95	NCA11	53	48	45	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2699	05325-043U-RES	316640.7	6256291.6	236 GEORGE STREET, PARRAMATTA 2150	RES	Residential	2	05325	U	43	NCA11	53	48	45	39	0.4	0.26	7.5					
2700	05330-143U-RES	316620.6	6256193.4	94 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05330	U	143	NCA11	53	48	45	39	0.4	0.26	7.5					
2701	05330-092U-RES	316629.9	6256243.3	209 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05330	U	92	NCA11	53	48	45	39	0.4	0.26	7.5					
2702	05335-139D-RES	316697.1	6256468.7	2-8 RIVER ROAD-WEST, PARRAMATTA 2150	RES	Residential	12	05335	D	139	NCA11	53	48	45	39	0.4	0.26	7.5					
2703	05340-041U-RES	316653.5	6256290.4	238 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05340	U	41	NCA11	53	48	45	39	0.4	0.26	7.5					
2704	05345-141U-RES	316634.9	6256190.9	96 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05345	U	141	NCA11	53	48	45	39	0.4	0.26	7.5					
2705	05345-052D-IND	316686.3	6256381.1	1 RIVER ROAD-WEST, PARRAMATTA 2150	IND	Industrial	1	05345	D	52	NCA11	75	75	75	75	1.6	1.6	7.5					
2706	05345-095U-RES	316644.1	6256236.3	211 GEORGE STREET, PARRAMATTA 2150	RES	Residential		05345	U	95	NCA11	53	48	45	39	0.4	0.26	7.5					
2707	05350-038U-RES	316666.5	6256289.5	240 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05350	U	38	NCA11	53	48	45	39	0.4	0.26	7.5					
2708	00535-126D-MED	313922.8	6257847.8	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00535	D	126	NCA02	65	65	65	65	0.8	0.8	7.5		CASB			
2709	05360-137U-RES	316647.3	6256192.1	98 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05360	U	137	NCA11	53	48	45	39	0.4	0.26	7.5					
2710	05360-195U-RES	316635.0	6256135.7	97 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05360	U	195	NCA11	53	48	45	39	0.4	0.26	7.5					
2711	05365-038U-RES	316679.5	6256286.5	242 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05365	U	38	NCA11	53	48	45	39	0.4	0.26	7.5					
2712	05370-139U-RES	316659.0	6256187.2	100 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05370	U	139	NCA11	53	48	45	39	0.4	0.26	7.5					
2713	05370-187U-RES	316646.9	6256140.3	99 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05370	U	187	NCA11	53	48	45	39	0.4	0.26	7.5					
2714	05370-079U-RES	316674.8	6256245.1	114 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	1	05370	U	79	NCA11	53	48	45	39	0.4	0.26	7.5					
2715	05370-091U-RES	316671.2	6256233.1	112 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	1	05370	U	91	NCA11	53	48	45	39	0.4	0.26	7.5					
2716	05375-106U-RES	316672.8	6256217.7	110 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	1	05375	U	106	NCA11	53	48	45	39	0.4	0.26	7.5					
2717	05375-037U-RES	316688.8	6256284.9	244 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05375	U	37	NCA11	53	48	45	39	0.4	0.26	7.5					
2718	05385-138U-RES	316672.0	6256184.9	102 HASSALL STREET, PARRAMATTA 2150	RES	Residential	1	05385	U	138	NCA11	53	48	45	39	0.4	0.26	7.5					
2719	05385-229U-RES	316649.3	6256096.6	106 ARTHUR STREET, PARRAMATTA 2150	RES	Residential		05385	U	229	NCA11	53	48	45	39	0.4	0.26	7.5					
2720	05385-036U-RES	316699.1	6256283.1	246 GEORGE STREET, PARRAMATTA 2150	RES	Residential	1	05385	U	36	NCA11	53	48	45	39	0.4	0.26	7.5					
2721	05390-187U-RES	316665.3	6256135.4	101 HASSALL STREET, PARRAMATTA 2150	RES	Residential		05390	U	187	NCA11	53	48	45	39	0.4	0.26	7.5					
2722	05390-211U-RES	316660.3	6256112.5	108 ARTHUR STREET, PARRAMATTA 2150	RES	Residential		05390	U	211	NCA11	53	48	45	39	0.4	0.26	7.5					
2723	05395-252U-RES	316653.2	6256071.2	20 OAK STREET, PARRAMATTA 2150	RES	Residential		05395	U	252	NCA11	53	48	45	39	0.4	0.26	7.5					
2724	00540-019U-RES	314040.7	6257756.6	31 HELEN STREET, WESTMEAD 2145	RES	Residential	3	00540	U	19	NCA04	59	54	53	52	0.4	0.26	7.5					
2725	05410-220D-COM	316791.3	6256527.7	12 RIVER ROAD-WEST, PARRAMATTA 2150	COM	Commercial		05410	D	220	NCA12	70	70	70	70	0.8	0.8	7.5					
2729	05425-183U-EDU	316699.8	6256130.4	103-105 HASSALL STREET, ROSEHILL 2142	EDU	Educational		05425	U	183	NCA12	55	55	55	55	0.8	0.8	7.5					
2730	05425-030U-RES	316740.0	6256277.9	137 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	2	05425	U	30	NCA12	61	56	53	46	0.4	0.26	7.5					
2731	05425-045U-RES	316734.7	6256263.9	135 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	1	05425	U	45	NCA12	61	56	53	46	0.4	0.26	7.5					
2732	05425-065U-RES	316732.1	6256243.7	133 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	1	05425	U	65	NCA12	61	56	53	46	0.4	0.26	7.5					
2733	05425-081U-RES	316726.1	6256228.9	131 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	2	05425	U	81	NCA12	61	56	53	46	0.4	0.26	7.5					
2734	05440-028D-IND	316772.5	6256333.2	139 ARTHUR STREET, PARRAMATTA 2150	IND	Industrial	1	05440	D	28	NCA12	75	75	75	75	1.6	1.6	7.5					
2735	05445-178U-EDU	316719.1	6256130.3	103-105 HASSALL STREET, ROSEHILL 2142	EDU	Educational		05445	U	178	NCA12	55	55	55	55	0.8	0.8	7.5					
2736	05445-200U-EDU	316715.8	6256108.7	103-105 HASSALL STREET, ROSEHILL 2142	EDU	Educational		05445	U	200	NCA12	55	55	55	55	0.8	0.8	7.5					
2737	05450-245U-COM	316708.2	6256064.1	22-24 OAK STREET, ROSEHILL 2142	COM	Commercial		05450	U	245	NCA12	70	70	70	70	0.8	0.8	7.5					
2738	05450-085D-IND	316793.9	6256386.6	139 ARTHUR STREET, PARRAMATTA 2150	IND	Industrial	2	05450	D	85	NCA12	75	75	75	75	1.6	1.6	7.5					
2739	00545-036U-RES	314057.3	6257749.7	29 HELEN STREET, WESTMEAD 2145	RES	Residential		00545	U	36	NCA04	59	54	53	52	0.4	0.26	7.5					
2740	05455-286U-RES	316702.7	6256022.9	115 ARTHUR STREET, ROSEHILL 2142	RES	Residential		05455	U	286	NCA12	61	56	53	46	0.4	0.26	7.5					
2741	05460-174D-COM	316827.6	6256470.3	14A RIVER ROAD-WEST, PARRAMATTA 2150	COM	Commercial		05460	D	174	NCA12	70	70	70	70	0.8	0.8	7.5					
2742	05465-179U-COM	316740.5	6256124.1	107 HASSALL STREET, ROSEHILL 2142	COM	Commercial		05465	U	179	NCA12	70	70	70	70	0.8	0.8	7.5					
2743	05465-252D-COM	316853.0	6256544.3	14A RIVER ROAD-WEST, PARRAMATTA 2150	COM	Commercial		05465	D	252	NCA12	70	70	70	70	0.8	0.8	7.5					
2744	05475-118U-HTL	316766.8	6256179.8	104-106 HASSALL STREET, ROSEHILL 2142	HTL	Hotel	9	05475	U	118	NCA12	60	60	60	60	0.4	0.3	7.5					
2745	05510-078D-COM	316850.9	6256363.9	142 JAMES RUSE DRIVE, PARRAMATTA 2150	COM	Commercial	2	05510	D	78	NCA12	70	70	70	70	0.8	0.8	7.5					
2746	05520-230U-COM	316778.1	6256061.2	26-28 OAK STREET, ROSEHILL 2142	COM	Commercial		05520	U	230	NCA12	70	70	70	70	0.8	0.8	7.5					
2747	00055-242U-RES	313959.5	6257268.5	2 ALFRED STREET, WESTMEAD 2145	RES	Residential		00055	U	242	NCA03	61	56	53	48	0.4	0.26	7.5					
2748	05530-201D-COM	316903.4	6256478.1	14A RIVER ROAD-WEST, PARRAMATTA 2150	COM	Commercial		05530	D	201	NCA12	70	70	70	70	0.8	0.8	7.5					
2749	05530-300D-COM	316925.5	6256574.2	14A RIVER ROAD-WEST, PARRAMATTA 2150	COM	Commercial		05530	D	300	NCA12	70	70	70	70	0.8	0.8	7.5					
2750	05550-112U-COM	316838.0	6256166.9	110A HASSALL STREET, ROSEHILL 2142	COM	Commercial	1	05550	U	112	NCA12	70	70	70	70	0.8	0.8	7.5					
2751	05550-175U-COM	316823.1	6256106.5	111 HASSALL STREET, ROSEHILL 2142	COM	Commercial		05550	U	175	NCA12	70	70	70	70	0.8	0.8	7.5					
2752	00555-052U-RES	314074.9	6257746.6	27 HELEN STREET, WESTMEAD 2145	RES	Residential		00555	U	52	NCA04	59	54	53	52	0.4	0.26	7.5					
2753	00555-069U-RES	314089.7	6257737.7	25 HELEN STREET, WESTMEAD 2145	RES	Residential		00555	U	69	NCA04	59	54	53	52	0.4	0.26	7.5					
2754	05560-061D-COM	316891.8	6256335.6	142 JAMES RUSE DRIVE, PARRAMATTA 2150	COM	Commercial	2	05560	D	61	NCA12	70	70	70	70	0.8	0.8	7.5					
2755	05570-192U-COM	316847.4	6256082.4	113 HASSALL STREET, ROSEHILL 2142	COM	Commercial		05570	U	192	NCA12	70	70	70	70	0.8	0.8	7.5					
2756	05570-273U-RES	316826.9	6256004.7	35 OAK STREET, ROSEHILL 2142	RES	Residential		05570	U	273	NCA12	61	56	53	46	0.4	0.26	7.5					
2757	05575-223U-COM	316843.6	6256051.4	30-36 OAK STREET, ROSEHILL 2142	COM	Commercial		05575	U	223	NCA12	70	70	70	70	0.8	0.8	7.5					
2758	05585-172U-COM	316868.7	6256098.8	113 HASSALL STREET, ROSEHILL 2142	COM	Commercial		05585	U	172	NCA12	70	70	70	70	0.8	0.8	7.5					
2759	05585-229U-COM	316856.1	6256043.3	30-36 OAK STREET, ROSEHILL 2142	COM	Commercial		05585	U	229	NCA12	70	70	70	70	0.8	0.8	7.5					
2760	05585-268U-RES	316847.6	6256004.7	37 OAK STREET, ROSEHILL 2142	RES	Residential		05585	U	268	NCA12	61	56	53	46	0.4	0.26	7.5					
2761	00560-102U-RES	314118.5	6257720.4	21 HELEN STREET, WESTMEAD 2145	RES	Residential		00560	U	102	NCA04	59	54	53	52	0.4	0.26	7.5					
2762	05605-267U-RES	316872.1	6256000.7	41 OAK STREET, ROSEHILL 2142	RES	Residential		05605	U	267	NCA12	61	56	53	46	0.4	0.26	7.5					
2763	00560-085U-RES	314103.4	6257729.1	23 HELEN STREET, WESTMEAD 2145	RES	Residential		00560	U	85	NCA04	59	54	53	52	0.4	0.26	7.5					
2764	05615-209U-COM	316889.9	6256056.4	132 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		05615	U	209	NCA12	70	70	70	70	0.8	0.8	7.5					
2765	00005-063D-EDU	313662.0	6257362.7	158-164 HAWKESBURY ROAD, WESTMEAD 2145	EDU	Educational	3	00005	D	63	NCA02	55	55	55	55	0.8	0.8	7.5					
2766	00565-122U-RES	314135.4	6257710.0	19 HELEN STREET, WESTMEAD 2145	RES	Residential		00565	U	122	NCA04	59	54	53	52	0.4	0.26	7.5					
2767	00565-152U-RES	314160.9	6257694.0	13-15 HELEN STREET, WESTMEAD 2145	RES	Residential		00565	U	152	NCA04	59	54	53	52	0.4	0.26	7.5					
2768	00565-205U-RES	314201.7	6257661.0	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00565	U	205	NCA04	59	54	53	52	0.4	0.26	7.5					
2769	05670-072D-COM	317008.0	6256322.8	175 JAMES RUSE DRIVE, CAMELLIA 2142	COM	Commercial	2	05670	D	72	NCA12	70	70	70	70	0.8	0.8	7.5					
2770	00570-178U-RES	314183.5	6257680.5	11 HELEN STREET, WESTMEAD 2145	RES	Residential		00570	U	178	NCA04	59	54	53	52	0.4	0.26	7.5					
2771	00570-191U-RES	314194.5	6257673.1	9 HELEN STREET, WESTMEAD 2145	RES	Residential		00570	U	191	NCA04	59	54	53	52	0.4	0.26	7.5					
2772	00575-218U-RES	314216.9	6257657.8	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00575	U	218	NCA04	59	54	53	52	0.4	0.26	7.5					
2773	05755-039D-COM	317087.3	6256235.2	1B GRAND AVENUE, CAMELLIA 2142	COM	Commercial	1	05755	D	39	NCA12	70	70	70	70	0.8	0.8	7.5					
2774	05775-267U-RES	316888.8	6255995.2	43 OAK STREET, ROSEHILL 2142	RES	Residential		05775	U	267	NCA12	61	56	53	46	0.4	0.26	7.5					
2775	05780-285U-RES	316883.5	6255975.4	130 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		05780	U	285	NCA12	61	56	53	46	0.4	0.26	7.5					
2776	05780-298U-RES	316883.9	6255958.2	128 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		05780	U	298	NCA12	61	56	53	46	0.4	0.26	7.5					
2777	SY780-245D-COM	317085.8	6255898.0	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		SY780	D	245	NCA12	70	70	70	70	0.8	0.8	7.5					
2778	SY735-047D-CHC	317216.4	6256071.9	1C GRAND AVENUE, CAMELLIA 2142	CHC	Childcare	2	SY735	D	47	NCA12	50	50	50	50	0.4	0.4	7.5					
2779	00585-029U-RES	314074.1	6257783.2	27 HELEN STREET, WESTMEAD 2145	RES	Residential	4	00585	U	29	NCA04	59	54	53	52	0.4	0.26	7.5					
2780	SY610-048D-IND	317340.3	6256057.9	3 GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY610	D	48	NCA12	75	75	75	75	1.6	1.6	7.5					
2781	SY385-048D-IND	317568.0	6256035.9	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY385	D	48	NCA12	75	75	75	75	1.6	1.6	7.5					
2782	SY0-261U-IND	318036.9	6255754.6	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	261	NCA12	75	75	75	75	1.6	1.6	7.5					
2783	SY10-260U-IND	318123.2	6255934.5	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY10	U	260	NCA12	75	75	75	75	1.6	1.6	7.5					
2784	SY0-275U-IND	318133.9	6255898.7	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	275	NCA12	75	75	75	75	1.6	1.6	7.5					
2785	SY210-025D-IND	317744.4	6256041.4	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	1	SY210	D	25	NCA12	75	75	75	75	1.6	1.6	7.5					
2786	SY195-052D-IND	317754.4	6256013.0	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	1	SY195	D	52	NCA12	75	75	75	75	1.6	1.6	7.5					
2787	SY170-043D-IND	317781.4	6256018.7	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	1	SY170	D	43	NCA12	75	75	75	75	1.6	1.6	7.5					
2788	SY150-043D-IND	317801.7	6256017.3	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	1	SY150	D	43	NCA12	75	75	75	75	1.6	1.6	7.5					
2789	SY70-042D-IND	317819.4	6256016.3	11A-11C GRAND AVENUE, CAMELLIA 2142	IND	Industrial	1	SY70	D	42	NCA12	75	75	75	75	1.6	1.6	7.5					
2790	SY65-003D-IND	317862.7	6256017.8	13A GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY65	D	3	NCA12	75	75	75	75	1.6	1.6	7.5			To be demolished by PLR		
2791	SY55-041U-IND	317907.1	6256005.1	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY55	U	41	NCA12	75	75	75	75	1.6	1.6	7.5					
2792	SY65-067U-IND	317932.0	6256025.4	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY65	U	67	NCA12	75	75	75	75	1.6	1.6	7.5					
2793	SY60-148U-IND	318013.6	6256003.8	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY60	U	148	NCA12	75	75	75	75	1.6	1.6	7.5					
2794	00590-050D-MED	314014.5	6257839.6	174 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	7	00590	D	50	NCA02	65	65	65	65	0.8	0.8	7.5		WIMR			
2795	SY60-207U-IND	318073.5	6256003.3	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial	2	SY60	U	207	NCA12	75	75	75	75	1.6	1.6	7.5					
2796	SY105-030U-IND	317864.4	6256081.2	13 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY105	U	30	NCA12	75	75	75	75	1.6	1.6	7.5					
2797	SY335-064U-IND	317628.1	6256145.8	11 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY335	U	64	NCA12	75	75	75	75	1.6	1.6	7.5					
2798	SY90-133U-IND	317985.0	6256092.3	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY90	U	133	NCA12	75	75	75	75	1.6	1.6	7.5					
2799	SY85-263U-IND	318123.3	6256075.1	15 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY85	U	263	NCA12	75	75	75	75	1.6	1.6	7.5					
2800	00060-036U-COM	313778.3	6257366.8	149 HAWKESBURY ROAD, WESTMEAD 2145	COM	Commercial	2	00060	U	36	NCA03	70	70	70	70	0.8	0.8	7.5			To be demolished by PLR		
2801	00610-060U-RES	314116.4	6257786.2	28 JESSIE STREET, WESTMEAD 2145	RES	Residential		00610	U	60	NCA04	59	54	53	52	0.4	0.26	7.5					
2802	00610-077U-RES	314129.9	6257775.9	26 JESSIE STREET, WESTMEAD 2145	RES	Residential		00610	U	77	NCA04	59	54	53	52	0.4	0.26	7.5					
2803	00615-123U-RES	314168.1	6257749.7	18 JESSIE STREET, WESTMEAD 2145	RES	Residential		00615	U	123	NCA04	59	54	53	52	0.4	0.26	7.5					
2804	00615-149U-RES	314190.0	6257735.2	14 JESSIE STREET, WESTMEAD 2145	RES	Residential		00615	U	149	NCA04	59	54	53	52	0.4	0.26	7.5					
2805	00615-020U-RES	314088.7	6257815.2	32 JESSIE STREET, WESTMEAD 2145	RES	Residential	3	00615	U	20	NCA04	59	54	53	52	0.4	0.26	7.5					
2806	00615-038U-RES	314102.4	6257803.7	30 JESSIE STREET, WESTMEAD 2145	RES	Residential		00615	U	38	NCA04	59	54	53	52	0.4	0.26	7.5					
2807	00615-096U-RES	314146.0	6257765.4	22 JESSIE STREET, WESTMEAD 2145	RES	Residential		00615	U	96	NCA04	59	54	53	52	0.4	0.26	7.5					
2808	06250-207U-IND	317443.3	6256475.0	40 BRODIE STREET, RYDALMERE 2116	IND	Industrial		06250	U	207	NCA14	75	75	75	75	1.6	1.6	7.5					
2809	SY110-298U-COM	317947.1	6256336.7	10 SOUTH STREET, RYDALMERE 2116	COM	Commercial		SY110	U	298	NCA14	70	70	70	70	0.8	0.8	7.5					
2810	06365-205D-EDU	317114.0	6256754.6	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06365	D	205	NCA14	55	55	55	55	0.8	0.8	7.5					
2811	06375-297U-IND	317576.8	6256551.5	1 ALAN STREET, RYDALMERE 2116	IND	Industrial		06375	U	297	NCA14	75	75	75	75	1.6	1.6	7.5					
2812	06405-151U-IND	317457.7	6256641.2	40 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06405	U	151	NCA14	75	75	75	75	1.6	1.6	7.5					
2813	06415-288D-EDU	317058.8	6256834.3	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06415	D	288	NCA14	55	55	55	55	0.8	0.8	7.5					
2814	06420-202D-EDU	317137.9	6256800.0	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06420	D	202	NCA14	55	55	55	55	0.8	0.8	7.5					
2815	06420-261D-EDU	317085.6	6256827.2	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06420	D	261	NCA14	55	55	55	55	0.8	0.8	7.5					
2816	06430-225D-EDU	317121.0	6256818.5	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06430	D	225	NCA14	55	55	55	55	0.8	0.8	7.5					
2817	06445-145D-EDU	317201.1	6256801.3	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06445	D	145	NCA14	55	55	55	55	0.8	0.8	7.5					
2818	00645-282D-RES	313866.4	6258025.7	166 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential		00645	D	282	NCA05	59	54	53	52	0.4	0.26	7.5					
2819	06465-267D-EDU	317099.1	6256870.1	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06465	D	267	NCA14	55	55	55	55	0.8	0.8	7.5					
2820	06485-122D-EDU	317239.1	6256827.6	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06485	D	122	NCA14	55	55	55	55	0.8	0.8	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2821	06490-165D-EDU	317202.4	6256850.7	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06490	D	165	NCA14	55	55	55	55	0.8	0.8	7.5					
2822	06495-255U-COM	317589.1	6256677.6	1 ALAN STREET, RYDALMERE 2116	COM	Commercial		06495	U	255	NCA14	70	70	70	70	0.8	0.8	7.5					
2823	06505-028D-CHC	317333.2	6256806.8	171 VICTORIA ROAD, PARRAMATTA 2150	CHC	Childcare	1	06505	D	28	NCA14	50	50	50	50	0.4	0.4	7.5					
2824	06505-077D-EDU	317288.1	6256826.4	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational	3	06505	D	77	NCA14	55	55	55	55	0.8	0.8	7.5					
2825	06515-152D-EDU	317223.2	6256864.9	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06515	D	152	NCA14	55	55	55	55	0.8	0.8	7.5					
2826	00065-145U-RES	313875.8	6257319.3	12 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00065	U	145	NCA03	61	56	53	48	0.4	0.26	7.5					
2827	00065-206U-RES	313930.3	6257291.8	7 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00065	U	206	NCA03	61	56	53	48	0.4	0.26	7.5					
2828	06525-183D-EDU	317199.4	6256888.2	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06525	D	183	NCA14	55	55	55	55	0.8	0.8	7.5					
2829	06545-141D-EDU	317245.8	6256888.4	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06545	D	141	NCA14	55	55	55	55	0.8	0.8	7.5					
2830	06550-197D-EDU	317197.5	6256918.6	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06550	D	197	NCA14	55	55	55	55	0.8	0.8	7.5					
2831	06570-245D-EDU	317163.5	6256957.5	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06570	D	245	NCA14	55	55	55	55	0.8	0.8	7.5					
2832	06600-160U-IND	317545.0	6256809.0	53 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06600	U	160	NCA14	75	75	75	75	1.6	1.6	7.5					
2833	00660-039D-MED	314066.2	6257886.1	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	7	00660	D	39	NCA05	65	65	65	65	0.8	0.8	7.5		CMRI			
2834	06605-173D-EDU	317246.0	6256964.6	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06605	D	173	NCA14	55	55	55	55	0.8	0.8	7.5					
2836	06615-126D-EDU	317294.3	6256955.5	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06615	D	126	NCA14	55	55	55	55	0.8	0.8	7.5					
2838	06615-065D-EDU	317347.1	6256924.2	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational	2	06615	D	65	NCA14	55	55	55	55	0.8	0.8	7.5					
2839	06640-201U-IND	317593.3	6256811.7	18 MURIEL AVENUE, RYDALMERE 2116	IND	Industrial		06640	U	201	NCA14	75	75	75	75	1.6	1.6	7.5					
2840	06650-170U-COM	317570.3	6256833.7	49-51 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06650	U	170	NCA14	70	70	70	70	0.8	0.8	7.5					
2841	06655-195U-IND	317593.6	6256824.9	16 MURIEL AVENUE, RYDALMERE 2116	IND	Industrial		06655	U	195	NCA14	75	75	75	75	1.6	1.6	7.5					
2842	06665-189U-IND	317595.4	6256839.0	14 MURIEL AVENUE, RYDALMERE 2116	IND	Industrial		06665	U	189	NCA14	75	75	75	75	1.6	1.6	7.5					
2843	06670-149U-IND	317561.9	6256860.3	47 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06670	U	149	NCA14	75	75	75	75	1.6	1.6	7.5					
2844	06670-257U-COM	317656.2	6256808.1	27 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06670	U	257	NCA14	70	70	70	70	0.8	0.8	7.5					
2845	06675-091D-EDU	317356.5	6256992.0	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06675	D	91	NCA14	55	55	55	55	0.8	0.8	7.5					
2846	06680-188D-EDU	317278.0	6257049.7	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06680	D	188	NCA14	55	55	55	55	0.8	0.8	7.5					
2847	06680-250U-COM	317656.0	6256820.1	23-25 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06680	U	250	NCA14	70	70	70	70	0.8	0.8	7.5					
2848	06685-090U-IND	317520.4	6256905.8	22 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06685	U	90	NCA14	75	75	75	75	1.6	1.6	7.5					
2849	06690-183U-COM	317602.6	6256861.6	10 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06690	U	183	NCA14	70	70	70	70	0.8	0.8	7.5					
2850	06690-296U-IND	317699.1	6256803.7	48 MARY PARADE, RYDALMERE 2116	IND	Industrial		06690	U	296	NCA14	75	75	75	75	1.6	1.6	7.5					
2851	06695-150U-COM	317577.6	6256884.9	4 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06695	U	150	NCA14	70	70	70	70	0.8	0.8	7.5					
2852	06695-168U-COM	317591.7	6256872.7	8 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06695	U	168	NCA14	70	70	70	70	0.8	0.8	7.5					
2853	06695-249U-COM	317661.4	6256831.4	23-25 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06695	U	249	NCA14	70	70	70	70	0.8	0.8	7.5					
2854	06700-134U-COM	317564.4	6256893.9	2 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06700	U	134	NCA14	70	70	70	70	0.8	0.8	7.5					
2855	06700-287U-IND	317696.8	6256816.4	46 MARY PARADE, RYDALMERE 2116	IND	Industrial		06700	U	287	NCA14	75	75	75	75	1.6	1.6	7.5					
2856	06710-251U-COM	317670.7	6256843.8	21 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06710	U	251	NCA14	70	70	70	70	0.8	0.8	7.5					
2857	06710-279U-IND	317694.0	6256828.4	44 MARY PARADE, RYDALMERE 2116	IND	Industrial		06710	U	279	NCA14	75	75	75	75	1.6	1.6	7.5					
2858	06715-240U-COM	317665.1	6256855.7	17 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06715	U	240	NCA14	70	70	70	70	0.8	0.8	7.5					
2859	06715-060D-EDU	317404.9	6257012.6	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational	3	06715	D	60	NCA14	55	55	55	55	0.8	0.8	7.5					
2860	06720-272U-IND	317694.3	6256841.0	42 MARY PARADE, RYDALMERE 2116	IND	Industrial		06720	U	272	NCA14	75	75	75	75	1.6	1.6	7.5					
2861	06730-231U-COM	317662.8	6256869.2	17 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06730	U	231	NCA14	70	70	70	70	0.8	0.8	7.5					
2862	06730-263U-IND	317691.3	6256853.0	40 MARY PARADE, RYDALMERE 2116	IND	Industrial		06730	U	263	NCA14	75	75	75	75	1.6	1.6	7.5					
2863	06735-218U-COM	317656.4	6256882.5	15 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06735	U	218	NCA14	70	70	70	70	0.8	0.8	7.5					
2864	06740-257U-IND	317691.5	6256866.7	38 MARY PARADE, RYDALMERE 2116	IND	Industrial		06740	U	257	NCA14	75	75	75	75	1.6	1.6	7.5					
2865	06745-204U-COM	317648.7	6256897.3	13 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06745	U	204	NCA14	70	70	70	70	0.8	0.8	7.5					
2866	06745-064U-COM	317529.4	6256971.7	10 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06745	U	64	NCA14	70	70	70	70	0.8	0.8	7.5					
2867	06750-190U-COM	317638.8	6256907.9	11 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial		06750	U	190	NCA14	70	70	70	70	0.8	0.8	7.5					
2868	00675-031U-RES	314137.8	6257853.6	199 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00675	U	31	NCA04	59	54	53	52	0.4	0.26	7.5					
2869	06755-238U-IND	317682.4	6256886.9	36 MARY PARADE, RYDALMERE 2116	IND	Industrial		06755	U	238	NCA14	75	75	75	75	1.6	1.6	7.5					
2870	00675-058U-RES	314158.1	6257835.4	27 JESSIE STREET, WESTMEAD 2145	RES	Residential		00675	U	58	NCA04	59	54	53	52	0.4	0.26	7.5					
2871	00675-094D-MED	314032.2	6257932.0	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00675	D	94	NCA05	65	65	65	65	0.8	0.8	7.5		KRI			
2872	06760-181U-COM	317637.1	6256922.9	9 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06760	U	181	NCA14	70	70	70	70	0.8	0.8	7.5					
2873	06760-063U-COM	317535.2	6256982.5	8 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06760	U	63	NCA14	70	70	70	70	0.8	0.8	7.5					
2874	06765-168U-COM	317629.4	6256934.1	7 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06765	U	168	NCA14	70	70	70	70	0.8	0.8	7.5					
2875	06765-219U-IND	317672.6	6256907.3	32 MARY PARADE, RYDALMERE 2116	IND	Industrial		06765	U	219	NCA14	75	75	75	75	1.6	1.6	7.5					
2876	06775-152U-COM	317618.5	6256946.8	3-5 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06775	U	152	NCA14	70	70	70	70	0.8	0.8	7.5					
2877	06775-207U-IND	317666.1	6256920.5	30 MARY PARADE, RYDALMERE 2116	IND	Industrial		06775	U	207	NCA14	75	75	75	75	1.6	1.6	7.5					
2878	06775-062U-IND	317541.7	6256994.8	6 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06775	U	62	NCA14	75	75	75	75	1.6	1.6	7.5			Mechanic		
2879	06780-140U-COM	317610.6	6256957.6	1 MURIEL AVENUE, RYDALMERE 2116	COM	Commercial	2	06780	U	140	NCA14	70	70	70	70	0.8	0.8	7.5					
2880	06785-129U-COM	317604.2	6256967.4	45 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06785	U	129	NCA14	70	70	70	70	0.8	0.8	7.5					
2881	06790-195U-IND	317661.4	6256933.9	28 MARY PARADE, RYDALMERE 2116	IND	Industrial		06790	U	195	NCA14	75	75	75	75	1.6	1.6	7.5					
2882	06795-292U-IND	317745.0	6256885.2	41 MARY PARADE, RYDALMERE 2116	IND	Industrial		06795	U	292	NCA14	75	75	75	75	1.6	1.6	7.5					
2883	06800-055U-COM	317548.5	6257017.7	4 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06800	U	55	NCA14	70	70	70	70	0.8	0.8	7.5					
2884	06800-186U-IND	317658.1	6256945.5	26 MARY PARADE, RYDALMERE 2116	IND	Industrial		06800	U	186	NCA14	75	75	75	75	1.6	1.6	7.5					
2885	06805-128U-COM	317611.5	6256981.3	43 BRODIE STREET, RYDALMERE 2116	COM	Commercial	3	06805	U	128	NCA14	70	70	70	70	0.8	0.8	7.5					
2886	06805-282U-IND	317739.4	6256895.8	37 MARY PARADE, RYDALMERE 2116	IND	Industrial		06805	U	282	NCA14	75	75	75	75	1.6	1.6	7.5					
2887	06810-178U-IND	317655.4	6256956.9	24 MARY PARADE, RYDALMERE 2116	IND	Industrial		06810	U	178	NCA14	75	75	75	75	1.6	1.6	7.5					
2888	06810-240D-EDU	317309.2	6257197.4	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06810	D	240	NCA14	55	55	55	55	0.8	0.8	7.5					
2889	06815-120U-IND	317611.2	6256994.7	41 BRODIE STREET, RYDALMERE 2116	IND	Industrial	1	06815	U	120	NCA14	75	75	75	75	1.6	1.6	7.5					
2890	06815-168U-IND	317651.1	6256967.1	22 MARY PARADE, RYDALMERE 2116	IND	Industrial		06815	U	168	NCA14	75	75	75	75	1.6	1.6	7.5					
2891	06815-271U-IND	317734.7	6256907.8	37 MARY PARADE, RYDALMERE 2116	IND	Industrial		06815	U	271	NCA14	75	75	75	75	1.6	1.6	7.5					
2892	06825-109U-IND	317607.7	6257008.1	39 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06825	U	109	NCA14	75	75	75	75	1.6	1.6	7.5					
2893	06825-158U-IND	317648.0	6256980.1	20 MARY PARADE, RYDALMERE 2116	IND	Industrial		06825	U	158	NCA14	75	75	75	75	1.6	1.6	7.5					
2894	06825-261U-IND	317731.1	6256919.9	35 MARY PARADE, RYDALMERE 2116	IND	Industrial		06825	U	261	NCA14	75	75	75	75	1.6	1.6	7.5					
2895	06835-150U-IND	317645.6	6256991.3	18 MARY PARADE, RYDALMERE 2116	IND	Industrial		06835	U	150	NCA14	75	75	75	75	1.6	1.6	7.5					
2896	06835-251U-IND	317727.5	6256931.4	33 MARY PARADE, RYDALMERE 2116	IND	Industrial		06835	U	251	NCA14	75	75	75	75	1.6	1.6	7.5					
2897	06835-297U-IND	317764.8	6256905.6	34 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06835	U	297	NCA14	75	75	75	75	1.6	1.6	7.5					
2898	06840-101U-IND	317608.3	6257022.5	39 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06840	U	101	NCA14	75	75	75	75	1.6	1.6	7.5					
2899	06840-243U-IND	317724.0	6256940.1	31 MARY PARADE, RYDALMERE 2116	IND	Industrial		06840	U	243	NCA14	75	75	75	75	1.6	1.6	7.5					
2900	06845-287U-IND	317760.9	6256917.0	32 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06845	U	287	NCA14	75	75	75	75	1.6	1.6	7.5					
2901	06850-142U-IND	317646.0	6257004.4	16 MARY PARADE, RYDALMERE 2116	IND	Industrial		06850	U	142	NCA14	75	75	75	75	1.6	1.6	7.5					
2902	06850-089U-IND	317604.8	6257039.3	39 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06850	U	89	NCA14	75	75	75	75	1.6	1.6	7.5					
2903	06855-235U-IND	317723.4	6256952.8	29 MARY PARADE, RYDALMERE 2116	IND	Industrial		06855	U	235	NCA14	75	75	75	75	1.6	1.6	7.5					
2904	06855-277U-IND	317757.3	6256928.3	30 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06855	U	277	NCA14	75	75	75	75	1.6	1.6	7.5					
2905	00685-082U-RES	314183.3	6257828.0	23 JESSIE STREET, WESTMEAD 2145	RES	Residential		00685	U	82	NCA04	59	54	53	52	0.4	0.26	7.5					
2906	06860-135U-IND	317646.2	6257017.7	14 MARY PARADE, RYDALMERE 2116	IND	Industrial		06860	U	135	NCA14	75	75	75	75	1.6	1.6	7.5					
2907	06865-229U-IND	317723.0	6256963.2	27 MARY PARADE, RYDALMERE 2116	IND	Industrial		06865	U	229	NCA14	75	75	75	75	1.6	1.6	7.5					
2908	06865-266U-IND	317752.3	6256940.3	28 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06865	U	266	NCA14	75	75	75	75	1.6	1.6	7.5					
2909	06870-125U-IND	317646.0	6257032.9	12 MARY PARADE, RYDALMERE 2116	IND	Industrial		06870	U	125	NCA14	75	75	75	75	1.6	1.6	7.5					
2910	06870-256U-IND	317749.4	6256953.4	26 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06870	U	256	NCA14	75	75	75	75	1.6	1.6	7.5					
2911	06875-220U-IND	317722.1	6256976.9	25 MARY PARADE, RYDALMERE 2116	IND	Industrial		06875	U	220	NCA14	75	75	75	75	1.6	1.6	7.5					
2912	06875-078U-IND	317610.9	6257064.1	25 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06875	U	78	NCA14	75	75	75	75	1.6	1.6	7.5					
2913	06880-247U-IND	317749.0	6256966.7	24 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06880	U	247	NCA14	75	75	75	75	1.6	1.6	7.5					
2914	06885-212U-IND	317721.9	6256989.7	23 MARY PARADE, RYDALMERE 2116	IND	Industrial		06885	U	212	NCA14	75	75	75	75	1.6	1.6	7.5					
2915	06890-203U-IND	317718.5	6257000.0	21 MARY PARADE, RYDALMERE 2116	IND	Industrial		06890	U	203	NCA14	75	75	75	75	1.6	1.6	7.5					
2916	06890-240U-IND	317748.6	6256978.4	22 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06890	U	240	NCA14	75	75	75	75	1.6	1.6	7.5					
2917	06890-071U-IND	317613.4	6257079.2	21 BRODIE STREET, RYDALMERE 2116	IND	Industrial	2	06890	U	71	NCA14	75	75	75	75	1.6	1.6	7.5					
2918	06895-118U-IND	317653.8	6257054.8	8 MARY PARADE, RYDALMERE 2116	IND	Industrial		06895	U	118	NCA14	75	75	75	75	1.6	1.6	7.5					
2919	06900-197U-IND	317721.3	6257012.9	19 MARY PARADE, RYDALMERE 2116	IND	Industrial		06900	U	197	NCA14	75	75	75	75	1.6	1.6	7.5					
2920	06900-068U-COM	317616.1	6257088.3	19A BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06900	U	68	NCA14	70	70	70	70	0.8	0.8	7.5					
2921	06905-108U-IND	317653.5	6257071.2	6 MARY PARADE, RYDALMERE 2116	IND	Industrial		06905	U	108	NCA14	75	75	75	75	1.6	1.6	7.5					
2922	06905-228U-IND	317747.8	6256997.4	18 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06905	U	228	NCA14	75	75	75	75	1.6	1.6	7.5					
2923	06905-065D-COM	317510.5	6257174.8	201 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	1	06905	D	65	NCA14	70	70	70	70	0.8	0.8	7.5					
2924	06910-189U-IND	317720.3	6257025.4	17 MARY PARADE, RYDALMERE 2116	IND	Industrial		06910	U	189	NCA14	75	75	75	75	1.6	1.6	7.5					
2925	06910-059U-COM	317614.7	6257101.0	15 BRODIE STREET, RYDALMERE 2116	COM	Commercial	1	06910	U	59	NCA14	70	70	70	70	0.8	0.8	7.5					
2926	06915-213U-IND	317742.4	6257014.8	16 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06915	U	213	NCA14	75	75	75	75	1.6	1.6	7.5					
2927	06915-299U-IND	317811.3	6256962.6	23 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06915	U	299	NCA14	75	75	75	75	1.6	1.6	7.5					
2928	06920-104U-IND	317657.8	6257084.2	4 MARY PARADE, RYDALMERE 2116	IND	Industrial		06920	U	104	NCA14	75	75	75	75	1.6	1.6	7.5					
2929	06920-179U-IND	317717.0	6257037.9	15 MARY PARADE, RYDALMERE 2116	IND	Industrial		06920	U	179	NCA14	75	75	75	75	1.6	1.6	7.5					
2930	06925-205U-IND	317742.7	6257028.2	14 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06925	U	205	NCA14	75	75	75	75	1.6	1.6	7.5					
2931	06930-110D-RES	317490.5	6257224.2	203 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06930	D	110	NCA14	55	50	48	43	0.4	0.26	7.5					
2932	06930-171U-IND	317715.9	6257049.5	13 MARY PARADE, RYDALMERE 2116	IND	Industrial		06930	U	171	NCA14	75	75	75	75	1.6	1.6	7.5					
2933	06930-281U-IND	317806.1	6256985.6	17-19 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06930	U	281	NCA14	75	75	75	75	1.6	1.6	7.5					
2934	06935-164U-IND	317715.3	6257060.7	11 MARY PARADE, RYDALMERE 2116	IND	Industrial		06935	U	164	NCA14	75	75	75	75	1.6	1.6	7.5					
2935	06935-034D-RES	317555.3	6257183.0	213 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06935	D	34	NCA14	55	50	48	43	0.4	0.26	7.5					
2936	06935-098D-RES	317502.4	6257219.3	205 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06935	D	98	NCA14	55	50	48	43	0.4	0.26	7.5					
2937	06935-099U-IND	317663.8	6257100.6	2 MARY PARADE, RYDALMERE 2116	IND	Industrial		06935	U	99	NCA14	75	75	75	75	1.6	1.6	7.5					
2938	06940-200U-IND	317745.3	6257040.9	12 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06940	U	200	NCA14	75	75	75	75	1.6	1.6	7.5					
2939	06940-067U-COM	317640.0	6257121.3	9 BRODIE STREET, RYDALMERE 2116	COM	Commercial	2	06940	U	67	NCA14	70	70	70	70	0.8	0.8	7.5					
2940	06940-086D-RES	317515.2	6257216.1	207 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06940	D	86	NCA14	55	50	48	43	0.4	0.26	7.5					
2941	06945-191U-IND	317743.7	6257052.8	10 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06945	U	191	NCA14	75	75	75	75	1.6	1.6	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
2942	06945-075D-RES	317528.0	6257214.3	209 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06945	D	75	NCA14	55	50	48	43	0.4	0.26	7.5					
2943	06950-265U-IND	317804.3	6257010.5	15 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06950	U	265	NCA14	75	75	75	75	1.6	1.6	7.5					
2944	06950-283D-RES	317366.1	6257345.3	266 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		06950	D	283	NCA15	55	50	48	42	0.4	0.26	7.5					
2945	06955-146U-IND	317712.2	6257086.3	7 MARY PARADE, RYDALMERE 2116	IND	Industrial		06955	U	146	NCA14	75	75	75	75	1.6	1.6	7.5					
2946	06955-164U-IND	317725.7	6257074.7	9 MARY PARADE, RYDALMERE 2116	IND	Industrial		06955	U	164	NCA14	75	75	75	75	1.6	1.6	7.5					
2947	06955-182U-IND	317741.3	6257064.2	8 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06955	U	182	NCA14	75	75	75	75	1.6	1.6	7.5					
2948	06955-037D-RES	317563.2	6257198.8	213 VICTORIA ROAD, RYDALMERE 2116	RES	Residential	1	06955	D	37	NCA14	55	50	48	43	0.4	0.26	7.5					
2949	06965-139U-IND	317711.6	6257097.4	5 MARY PARADE, RYDALMERE 2116	IND	Industrial		06965	U	139	NCA14	75	75	75	75	1.6	1.6	7.5					
2950	06965-254U-IND	317804.5	6257028.9	11 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06965	U	254	NCA14	75	75	75	75	1.6	1.6	7.5					
2951	06975-122U-IND	317705.0	6257116.1	1 MARY PARADE, RYDALMERE 2116	IND	Industrial		06975	U	122	NCA14	75	75	75	75	1.6	1.6	7.5					
2952	06975-162U-IND	317736.5	6257091.1	4 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06975	U	162	NCA14	75	75	75	75	1.6	1.6	7.5					
2953	06975-247U-IND	317805.6	6257042.0	9 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06975	U	247	NCA14	75	75	75	75	1.6	1.6	7.5					
2954	06980-232U-IND	317796.4	6257054.0	7 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06980	U	232	NCA14	75	75	75	75	1.6	1.6	7.5					
2955	06980-061U-COM	317661.1	6257159.9	215-221 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	1	06980	U	61	NCA14	70	70	70	70	0.8	0.8	7.5					
2956	06985-151U-IND	317735.0	6257107.4	2 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06985	U	151	NCA14	75	75	75	75	1.6	1.6	7.5					
2957	06985-241U-IND	317807.1	6257053.0	7 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06985	U	241	NCA14	75	75	75	75	1.6	1.6	7.5					
2958	06985-282D-RES	317387.4	6257372.5	266 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		06985	D	282	NCA15	55	50	48	42	0.4	0.26	7.5					
2959	06990-073U-COM	317674.5	6257156.9	223-227 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	2	06990	U	73	NCA14	70	70	70	70	0.8	0.8	7.5					
2960	06990-084U-COM	317685.8	6257153.1	223-227 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	2	06990	U	84	NCA14	70	70	70	70	0.8	0.8	7.5					
2961	06995-096U-COM	317697.3	6257149.2	229 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	2	06995	U	96	NCA14	70	70	70	70	0.8	0.8	7.5					
2962	07000-107U-COM	317709.4	6257146.9	231-233 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	2	07000	U	107	NCA14	70	70	70	70	0.8	0.8	7.5					
2963	07000-120U-COM	317720.6	6257141.0	235 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	2	07000	U	120	NCA14	70	70	70	70	0.8	0.8	7.5					
2964	07000-232U-IND	317809.8	6257071.8	3-5 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		07000	U	232	NCA14	75	75	75	75	1.6	1.6	7.5					
2965	00705-034U-RES	314155.9	6257871.3	209 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00705	U	34	NCA04	59	54	53	52	0.4	0.26	7.5					
2966	07005-134U-COM	317735.4	6257136.5	239-243 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial	1	07005	U	134	NCA14	70	70	70	70	0.8	0.8	7.5					
2967	07005-213U-IND	317798.9	6257089.5	1 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		07005	U	213	NCA14	75	75	75	75	1.6	1.6	7.5					
2968	07005-291D-RES	317388.1	6257388.4	266 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		07005	D	291	NCA15	55	50	48	42	0.4	0.26	7.5					
2969	07010-151U-IND	317751.4	6257129.1	247 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial	1	07010	U	151	NCA14	75	75	75	75	1.6	1.6	7.5			Body repair workshop		
2970	00070-107U-RES	313844.7	6257341.3	16 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00070	U	107	NCA03	61	56	53	48	0.4	0.26	7.5					
2971	07015-146D-RES	317510.8	6257309.7	5 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07015	D	146	NCA15	55	50	48	42	0.4	0.26	7.5					
2972	07020-180U-COM	317781.6	6257122.6	251 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial		07020	U	180	NCA14	70	70	70	70	0.8	0.8	7.5					
2973	07020-196U-PoW	317796.1	6257114.9	253 VICTORIA ROAD, RYDALMERE 2116	PoW	Place of Worship		07020	U	196	NCA14	55	55	55	55	0.8	0.8	7.5					
2974	00070-243U-RES	313965.7	6257279.7	4 ALFRED STREET, WESTMEAD 2145	RES	Residential		00070	U	243	NCA03	61	56	53	48	0.4	0.26	7.5					
2975	07025-208U-IND	317809.0	6257112.7	255 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial		07025	U	208	NCA14	75	75	75	75	1.6	1.6	7.5					
2976	07025-261U-IND	317854.6	6257085.5	257 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial		07025	U	261	NCA14	75	75	75	75	1.6	1.6	7.5					
2977	00070-299U-RES	314017.1	6257256.6	1 ALFRED STREET, WESTMEAD 2145	RES	Residential		00070	U	299	NCA03	61	56	53	48	0.4	0.26	7.5					
2978	07030-216U-IND	317822.0	6257116.9	255 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial		07030	U	216	NCA14	75	75	75	75	1.6	1.6	7.5					
2979	07030-284U-IND	317878.0	6257078.8	257 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial		07030	U	284	NCA14	75	75	75	75	1.6	1.6	7.5					
2980	07030-091D-RES	317561.0	6257285.6	1 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07030	D	91	NCA15	55	50	48	42	0.4	0.26	7.5					
2981	07040-133D-RES	317529.6	6257316.1	3 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07040	D	133	NCA15	55	50	48	42	0.4	0.26	7.5					
2983	07045-092D-RES	317567.5	6257297.9	3 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07045	D	92	NCA15	55	50	48	42	0.4	0.26	7.5					
2984	07050-162D-RES	317508.0	6257336.0	7 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07050	D	162	NCA15	55	50	48	42	0.4	0.26	7.5					
2985	07055-045D-RES	317611.9	6257280.9	4 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07055	D	45	NCA15	55	50	48	42	0.4	0.26	7.5					
2986	07060-103D-RES	317562.4	6257311.8	1 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07060	D	103	NCA15	55	50	48	42	0.4	0.26	7.5					
2987	07065-175D-RES	317501.0	6257349.7	9 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07065	D	175	NCA15	55	50	48	42	0.4	0.26	7.5					
2988	07065-260U-COM	317889.6	6257146.3	272 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial		07065	U	260	NCA15	70	70	70	70	0.8	0.8	7.5			Service station		
2989	07065-084D-RES	317581.0	6257305.8	5 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07065	D	84	NCA15	55	50	48	42	0.4	0.26	7.5					
2990	07070-040U-RES	317697.7	6257253.8	4 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07070	U	40	NCA15	55	50	48	42	0.4	0.26	7.5					
2991	07075-152U-RES	317799.2	6257205.6	2 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07075	U	152	NCA15	55	50	48	42	0.4	0.26	7.5					
2992	07075-038D-RES	317625.8	6257292.7	6 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07075	D	38	NCA15	55	50	48	42	0.4	0.26	7.5					
2993	07080-090U-RES	317745.4	6257237.9	3 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07080	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
2994	07085-147U-RES	317800.7	6257219.4	4 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07085	U	147	NCA15	55	50	48	42	0.4	0.26	7.5					
2995	07085-039U-RES	317702.9	6257266.3	6 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07085	U	39	NCA15	55	50	48	42	0.4	0.26	7.5					
2996	07090-185D-RES	317498.5	6257367.1	11 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07090	D	185	NCA15	55	50	48	42	0.4	0.26	7.5					
2997	07090-039D-RES	317630.9	6257305.3	8 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07090	D	39	NCA15	55	50	48	42	0.4	0.26	7.5					
2998	07090-075U-RES	317737.3	6257255.6	5 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07090	U	75	NCA15	55	50	48	42	0.4	0.26	7.5					
2999	07090-092U-RES	317752.3	6257247.9	5 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07090	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3000	07095-144U-RES	317803.3	6257232.7	6 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07095	U	144	NCA15	55	50	48	42	0.4	0.26	7.5					
3001	07095-042U-RES	317710.3	6257276.2	8 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07095	U	42	NCA15	55	50	48	42	0.4	0.26	7.5					
3002	07100-135D-RES	317545.8	6257350.8	2 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07100	D	135	NCA15	55	50	48	42	0.4	0.26	7.5					
3003	07100-090U-RES	317757.3	6257262.0	7 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07100	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3004	07105-142U-RES	317806.7	6257247.3	8 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07105	U	142	NCA15	55	50	48	42	0.4	0.26	7.5					
3005	07105-034D-RES	317641.6	6257316.9	10 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07105	D	34	NCA15	55	50	48	42	0.4	0.26	7.5					
3006	07105-043U-RES	317716.4	6257288.1	10 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07105	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3007	07105-092D-RES	317587.2	6257337.1	7 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07105	D	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3008	07110-087U-RES	317759.3	6257275.9	9 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07110	U	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3009	07115-143U-RES	317812.7	6257259.5	10 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07115	U	143	NCA15	55	50	48	42	0.4	0.26	7.5					
3010	07115-183D-RES	317505.5	6257379.7	13 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07115	D	183	NCA15	55	50	48	42	0.4	0.26	7.5					
3011	07120-035D-RES	317645.4	6257328.8	12 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07120	D	35	NCA15	55	50	48	42	0.4	0.26	7.5					
3012	07120-044U-RES	317723.2	6257302.7	12 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07120	U	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3013	07120-090D-RES	317594.2	6257349.2	9 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07120	D	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3014	07120-093U-RES	317769.3	6257285.4	11 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07120	U	93	NCA15	55	50	48	42	0.4	0.26	7.5					
3015	07125-143U-RES	317818.1	6257272.3	12 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07125	U	143	NCA15	55	50	48	42	0.4	0.26	7.5					
3016	07135-145U-RES	317824.3	6257284.8	14 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07135	U	145	NCA15	55	50	48	42	0.4	0.26	7.5					
3017	07135-184D-RES	317509.1	6257391.5	15 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07135	D	184	NCA15	55	50	48	42	0.4	0.26	7.5					
3018	07135-035D-RES	317649.3	6257341.6	14 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07135	D	35	NCA15	55	50	48	42	0.4	0.26	7.5					
3019	07135-046U-RES	317730.3	6257314.4	14 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07135	U	46	NCA15	55	50	48	42	0.4	0.26	7.5					
3020	07135-087D-RES	317601.5	6257361.1	11 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07135	D	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3021	07135-091U-RES	317772.1	6257300.4	13 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07135	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3022	07145-138U-RES	317821.7	6257299.3	16 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07145	U	138	NCA15	55	50	48	42	0.4	0.26	7.5					
3023	07145-032D-RES	317655.9	6257351.9	16 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07145	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3024	07145-043U-RES	317730.9	6257328.4	16 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07145	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3025	07145-087U-RES	317772.3	6257313.0	15 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07145	U	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3026	07150-135D-RES	317559.7	6257389.1	8 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07150	D	135	NCA15	55	50	48	42	0.4	0.26	7.5					
3027	07150-078D-RES	317613.1	6257369.7	13 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07150	D	78	NCA15	55	50	48	42	0.4	0.26	7.5					
3028	07155-179D-RES	317519.1	6257404.4	17 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07155	D	179	NCA15	55	50	48	42	0.4	0.26	7.5					
3029	07155-093U-RES	317782.2	6257323.6	17 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07155	U	93	NCA15	55	50	48	42	0.4	0.26	7.5					
3030	07160-136U-RES	317824.0	6257313.8	18 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07160	U	136	NCA15	55	50	48	42	0.4	0.26	7.5					
3031	07160-031D-RES	317661.7	6257364.9	18 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07160	D	31	NCA15	55	50	48	42	0.4	0.26	7.5					
3032	07160-039U-RES	317731.4	6257341.2	18 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07160	U	39	NCA15	55	50	48	42	0.4	0.26	7.5					
3033	07160-073U-RES	317763.3	6257330.0	17 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07160	U	73	NCA15	55	50	48	42	0.4	0.26	7.5					
3034	07165-132D-RES	317566.3	6257400.6	10 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07165	D	132	NCA15	55	50	48	42	0.4	0.26	7.5					
3035	07165-176D-RES	317524.6	6257414.6	19 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07165	D	176	NCA15	55	50	48	42	0.4	0.26	7.5					
3036	07165-081D-RES	317614.3	6257383.1	15 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07165	D	81	NCA15	55	50	48	42	0.4	0.26	7.5					
3037	07170-268U-COM	317953.3	6257282.6	274 VICTORIA ROAD, RYDALMERE 2116	COM	Commercial		07170	U	268	NCA15	70	70	70	70	0.8	0.8	7.5		Thales			
3038	07170-041U-RES	317736.9	6257353.2	20 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07170	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3039	07175-139U-RES	317831.8	6257326.3	20 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07175	U	139	NCA15	55	50	48	42	0.4	0.26	7.5					
3040	07175-090U-RES	317784.2	6257340.4	19 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07175	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3041	07180-129D-RES	317574.0	6257412.8	12 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07180	D	129	NCA15	55	50	48	42	0.4	0.26	7.5					
3042	07180-175D-RES	317529.5	6257425.6	21 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07180	D	175	NCA15	55	50	48	42	0.4	0.26	7.5					
3043	07180-030D-RES	317667.4	6257381.2	20 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07180	D	30	NCA15	55	50	48	42	0.4	0.26	7.5					
3044	07180-080D-RES	317620.3	6257397.9	17 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07180	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3045	07185-137U-RES	317833.6	6257338.7	22 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07185	U	137	NCA15	55	50	48	42	0.4	0.26	7.5					
3046	07185-043U-RES	317743.2	6257366.0	22 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07185	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3047	07185-088U-RES	317786.2	6257351.6	21 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07185	U	88	NCA15	55	50	48	42	0.4	0.26	7.5					
3048	07190-173D-RES	317535.0	6257437.5	23 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07190	D	173	NCA15	55	50	48	42	0.4	0.26	7.5					
3049	07190-029D-RES	317672.1	6257392.1	22 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07190	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3050	07190-078D-RES	317626.2	6257408.7	19 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07190	D	78	NCA15	55	50	48	42	0.4	0.26	7.5					
3051	07195-131D-RES	317576.8	6257430.0	14 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07195	D	131	NCA15	55	50	48	42	0.4	0.26	7.5					
3052	07200-134U-RES	317835.1	6257353.9	24 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07200	U	134	NCA15	55	50	48	42	0.4	0.26	7.5					
3053	07200-029D-RES	317675.7	6257403.4	24 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07200	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3054	07200-044U-RES	317748.2	6257380.0	24 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07200	U	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3055	07200-090U-RES	317792.7	6257364.9	23 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07200	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3056	00720-251D-MED	313937.9	6258066.0	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00720	D	251	NCA05	65	65	65	65	0.8	0.8	7.5					
3057	00720-037U-RES	314168.0	6257881.4	211 HAWKESBURY ROAD, WESTMEAD 2145	RES	Residential	3	00720	U	37	NCA04	59	54	53	52	0.4	0.26	7.5					
3058	07205-174D-RES	317538.6	6257450.6	25 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07205	D	174	NCA15	55	50	48	42	0.4	0.26	7.5					
3059	07205-080D-RES	317628.3	6257422.3	21 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07205	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3060	07215-126D-RES	317586.8	6257444.0	16 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07215	D	126	NCA15	55	50	48	42	0.4	0.26	7.5					
3061	07215-171D-RES	317545.5	6257461.2	27 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07215	D	171	NCA15	55	50	48	42	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3062	07215-031D-RES	317678.2	6257418.2	26 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07215	D	31	NCA15	55	50	48	42	0.4	0.26	7.5					
3063	07215-043U-RES	317751.5	6257392.1	26 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07215	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3064	07215-094U-RES	317801.0	6257378.1	25 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07215	U	94	NCA15	55	50	48	42	0.4	0.26	7.5					
3065	07220-134U-RES	317839.9	6257368.8	26 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07220	U	134	NCA15	55	50	48	42	0.4	0.26	7.5					
3066	07220-080D-RES	317633.0	6257437.0	23 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07220	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3067	07225-092U-RES	317802.9	6257390.3	27 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07225	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3068	07230-112D-RES	317605.8	6257457.1	18 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07230	D	112	NCA15	55	50	48	42	0.4	0.26	7.5					
3069	07230-169D-RES	317550.8	6257474.4	29 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07230	D	169	NCA15	55	50	48	42	0.4	0.26	7.5					
3070	07230-029D-RES	317684.3	6257430.3	28 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07230	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3071	07230-046U-RES	317759.2	6257404.8	28 DUDLEY STREET, RYDALMERE 2116	RES	Residential	2	07230	U	46	NCA15	55	50	48	42	0.4	0.26	7.5					
3072	07235-127D-RES	317591.6	6257463.3	18A ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07235	D	127	NCA15	55	50	48	42	0.4	0.26	7.5					
3073	07235-077D-RES	317639.0	6257448.2	25 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07235	D	77	NCA15	55	50	48	42	0.4	0.26	7.5					
3074	07240-041U-RES	317758.0	6257419.6	30 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07240	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3075	07240-093U-RES	317807.0	6257401.6	29 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07240	U	93	NCA15	55	50	48	42	0.4	0.26	7.5					
3076	07245-029D-RES	317687.9	6257443.3	28 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07245	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3077	07245-078D-RES	317642.7	6257461.9	27 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07245	D	78	NCA15	55	50	48	42	0.4	0.26	7.5					
3078	07250-166D-RES	317559.6	6257489.3	31 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07250	D	166	NCA15	55	50	48	42	0.4	0.26	7.5					
3079	07255-122D-RES	317602.7	6257480.5	20 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07255	D	122	NCA15	55	50	48	42	0.4	0.26	7.5					
3080	07255-041U-RES	317762.3	6257432.6	32 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07255	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3081	07255-092U-RES	317810.6	6257414.9	31 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07255	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3082	07260-033D-RES	317688.6	6257458.8	30 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07260	D	33	NCA15	55	50	48	42	0.4	0.26	7.5					
3083	07260-078D-RES	317646.9	6257475.4	29 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07260	D	78	NCA15	55	50	48	42	0.4	0.26	7.5					
3084	07270-170D-RES	317561.5	6257511.7	33 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07270	D	170	NCA15	55	50	48	42	0.4	0.26	7.5					
3085	07270-033D-RES	317692.8	6257471.9	34 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07270	D	33	NCA15	55	50	48	42	0.4	0.26	7.5					
3086	07270-042U-RES	317767.1	6257445.7	34 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07270	U	42	NCA15	55	50	48	42	0.4	0.26	7.5					
3087	07270-066U-RES	317790.8	6257438.3	33 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07270	U	66	NCA15	55	50	48	42	0.4	0.26	7.5					
3088	07270-091U-RES	317813.5	6257430.1	33 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07270	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3089	07275-077D-RES	317651.8	6257488.7	31 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07275	D	77	NCA15	55	50	48	42	0.4	0.26	7.5					
3090	07290-169D-RES	317569.4	6257531.4	37 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07290	D	169	NCA15	55	50	48	42	0.4	0.26	7.5					
3091	07290-080D-RES	317654.6	6257505.7	33 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07290	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3092	07295-110D-RES	317626.3	6257516.9	24A ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07295	D	110	NCA15	55	50	48	42	0.4	0.26	7.5					
3093	07295-125D-RES	317611.8	6257519.9	24 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07295	D	125	NCA15	55	50	48	42	0.4	0.26	7.5					
3094	07300-032D-RES	317703.0	6257499.2	36 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07300	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3095	07300-041U-RES	317775.5	6257475.3	36 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07300	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3096	07305-075U-RES	317809.1	6257469.4	3 RESERVE STREET, RYDALMERE 2116	RES	Residential		07305	U	75	NCA15	55	50	48	42	0.4	0.26	7.5					
3097	07305-076D-RES	317661.6	6257515.7	35 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07305	D	76	NCA15	55	50	48	42	0.4	0.26	7.5					
3098	07305-092U-RES	317825.2	6257463.8	35 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07305	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3099	07310-185D-RES	317560.1	6257556.2	41 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07310	D	185	NCA15	55	50	48	42	0.4	0.26	7.5					
3100	07310-041U-RES	317779.4	6257487.0	38 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07310	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3101	07315-030D-RES	317708.3	6257510.9	38 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07315	D	30	NCA15	55	50	48	42	0.4	0.26	7.5					
3102	07320-129D-RES	317616.2	6257545.5	26 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07320	D	129	NCA15	55	50	48	42	0.4	0.26	7.5					
3103	07320-083D-RES	317659.6	6257532.8	37 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07320	D	83	NCA15	55	50	48	42	0.4	0.26	7.5					
3104	07325-033D-RES	317709.5	6257524.0	40 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07325	D	33	NCA15	55	50	48	42	0.4	0.26	7.5					
3105	07325-041U-RES	317783.3	6257498.4	40 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07325	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3106	07325-091U-RES	317831.4	6257484.2	39 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07325	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3107	07330-191D-RES	317560.6	6257575.8	43 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07330	D	191	NCA15	55	50	48	42	0.4	0.26	7.5					
3108	07335-128D-RES	317621.2	6257559.7	28 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07335	D	128	NCA15	55	50	48	42	0.4	0.26	7.5					
3109	07335-078D-RES	317668.4	6257544.3	39 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07335	D	78	NCA15	55	50	48	42	0.4	0.26	7.5					
3110	07340-036D-RES	317710.5	6257537.7	42 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07340	D	36	NCA15	55	50	48	42	0.4	0.26	7.5					
3111	07340-043U-RES	317789.4	6257512.2	42 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07340	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3112	07340-092U-RES	317836.4	6257496.5	41 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07340	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3113	07345-130D-RES	317623.6	6257572.9	30 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07345	D	130	NCA15	55	50	48	42	0.4	0.26	7.5					
3114	07345-190D-RES	317565.4	6257588.3	45 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07345	D	190	NCA15	55	50	48	42	0.4	0.26	7.5					
3115	07345-076D-RES	317674.9	6257555.7	41 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07345	D	76	NCA15	55	50	48	42	0.4	0.26	7.5					
3116	07355-011D-RES	317739.3	6257544.1	44 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07355	D	11	NCA15	55	50	48	42	0.4	0.26	7.5					
3117	07355-187D-RES	317572.1	6257598.9	47 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07355	D	187	NCA15	55	50	48	42	0.4	0.26	7.5					
3118	07355-035D-RES	317716.0	6257550.3	44 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07355	D	35	NCA15	55	50	48	42	0.4	0.26	7.5					
3119	07355-041U-RES	317792.0	6257525.5	44 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07355	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3120	07355-091U-RES	317839.2	6257510.4	43 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07355	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3121	07360-137D-RES	317620.9	6257589.0	52 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07360	D	137	NCA15	55	50	48	42	0.4	0.26	7.5					
3122	07360-083D-RES	317672.4	6257571.8	43 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07360	D	83	NCA15	55	50	48	42	0.4	0.26	7.5					
3123	07365-139U-RES	317888.9	6257507.3	28 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07365	U	139	NCA15	55	50	48	42	0.4	0.26	7.5					
3124	07365-041U-RES	317795.9	6257537.7	46 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07365	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3125	07365-092U-RES	317844.5	6257523.4	45 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07365	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3126	07370-033D-RES	317722.4	6257564.7	46 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07370	D	33	NCA15	55	50	48	42	0.4	0.26	7.5					
3127	07375-137D-RES	317625.5	6257601.8	34 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07375	D	137	NCA15	55	50	48	42	0.4	0.26	7.5					
3128	07375-191D-RES	317573.1	6257616.5	49 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07375	D	191	NCA15	55	50	48	42	0.4	0.26	7.5					
3129	07370-077D-RES	317681.6	6257581.2	45 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07370	D	77	NCA15	55	50	48	42	0.4	0.26	7.5					
3130	07380-138U-RES	317891.6	6257520.2	30 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07380	U	138	NCA15	55	50	48	42	0.4	0.26	7.5					
3131	07380-032D-RES	317727.2	6257575.5	48 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07380	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3132	07380-044U-RES	317802.6	6257549.5	48 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07380	U	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3133	07380-090U-RES	317846.5	6257537.1	47 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07380	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3134	07385-191D-RES	317576.9	6257628.0	51 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07385	D	191	NCA15	55	50	48	42	0.4	0.26	7.5					
3135	07390-139U-RES	317897.2	6257533.6	32 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07390	U	139	NCA15	55	50	48	42	0.4	0.26	7.5					
3136	07390-143D-RES	317623.5	6257615.8	36 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07390	D	143	NCA15	55	50	48	42	0.4	0.26	7.5					
3137	07390-077D-RES	317686.4	6257596.9	47 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07390	D	77	NCA15	55	50	48	42	0.4	0.26	7.5					
3138	07395-168U-RES	317926.1	6257528.0	2 VINEYARD STREET, RYDALMERE 2116	RES	Residential		07395	U	168	NCA15	55	50	48	42	0.4	0.26	7.5					
3139	07395-036D-RES	317728.1	6257591.1	50 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07395	D	36	NCA15	55	50	48	42	0.4	0.26	7.5					
3140	07395-041U-RES	317803.8	6257565.1	50 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07395	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3141	07395-091U-RES	317851.5	6257549.9	49 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07395	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3142	07400-141D-RES	317629.4	6257628.7	38 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07400	D	141	NCA15	55	50	48	42	0.4	0.26	7.5					
3143	07400-186U-RES	317944.7	6257527.6	4 VINEYARD STREET, RYDALMERE 2116	RES	Residential		07400	U	186	NCA15	55	50	48	42	0.4	0.26	7.5					
3144	07400-189D-RES	317583.2	6257641.3	53 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07400	D	189	NCA15	55	50	48	42	0.4	0.26	7.5					
3145	07400-081D-RES	317686.7	6257610.5	49 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07400	D	81	NCA15	55	50	48	42	0.4	0.26	7.5					
3146	07405-138U-RES	317900.0	6257546.5	34 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07405	U	138	NCA15	55	50	48	42	0.4	0.26	7.5					
3147	07405-044U-RES	317811.3	6257576.4	52 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07405	U	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3148	07410-010D-RES	317756.3	6257595.7	52 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07410	D	10	NCA15	55	50	48	42	0.4	0.26	7.5					
3149	07410-032D-RES	317735.5	6257602.9	52 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07410	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3150	07410-087U-RES	317852.0	6257564.8	51 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07410	U	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3151	07415-123D-RES	317650.9	6257635.6	40 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07415	D	123	NCA15	55	50	48	42	0.4	0.26	7.5					
3152	07415-146D-RES	317628.8	6257644.2	40A ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07415	D	146	NCA15	55	50	48	42	0.4	0.26	7.5					
3153	07415-195D-RES	317581.1	6257655.6	55 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07415	D	195	NCA15	55	50	48	42	0.4	0.26	7.5					
3154	07415-080D-RES	317691.9	6257622.3	51 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07415	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3155	07420-244U-RES	318005.1	6257527.9	16 ADELINE STREET, RYDALMERE 2116	RES	Residential		07420	U	244	NCA15	55	50	48	42	0.4	0.26	7.5					
3156	07420-040U-RES	317811.3	6257591.1	54 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07420	U	40	NCA15	55	50	48	42	0.4	0.26	7.5					
3157	07420-086U-RES	317855.0	6257577.7	53 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07420	U	86	NCA15	55	50	48	42	0.4	0.26	7.5					
3158	07425-263U-RES	318024.4	6257526.2	18 ADELINE STREET, RYDALMERE 2116	RES	Residential		07425	U	263	NCA15	55	50	48	42	0.4	0.26	7.5					
3159	07425-029D-RES	317742.4	6257615.1	54 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07425	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3160	07430-149D-RES	317630.7	6257657.6	42 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07430	D	149	NCA15	55	50	48	42	0.4	0.26	7.5					
3161	07430-189D-RES	317591.5	6257667.7	57 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07430	D	189	NCA15	55	50	48	42	0.4	0.26	7.5					
3162	07430-080D-RES	317695.8	6257637.2	53 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07430	D	80	NCA15	55	50	48	42	0.4	0.26	7.5					
3163	07435-138U-RES	317909.5	6257575.3	36 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07435	U	138	NCA15	55	50	48	42	0.4	0.26	7.5					
3164	07435-027D-RES	317748.3	6257626.8	56 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07435	D	27	NCA15	55	50	48	42	0.4	0.26	7.5					
3165	07435-040U-RES	317816.1	6257604.6	56 DUDLEY STREET, RYDALMERE 2116	RES	Residential	2	07435	U	40	NCA15	55	50	48	42	0.4	0.26	7.5					
3166	07435-090U-RES	317863.0	6257589.9	55 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07435	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3167	07440-193D-RES	317592.3	6257682.6	59 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07440	D	193	NCA15	55	50	48	42	0.4	0.26	7.5					
3168	07445-141D-RES	317642.4	6257669.2	44 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07445	D	141	NCA15	55	50	48	42	0.4	0.26	7.5					
3169	07445-248U-RES	318016.7	6257549.5	14 ADELINE STREET, RYDALMERE 2116	RES	Residential		07445	U	248	NCA15	55	50	48	42	0.4	0.26	7.5					
3170	07445-079D-RES	317701.2	6257650.9	55 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07445	D	79	NCA15	55	50	48	42	0.4	0.26	7.5					
3171	07450-138U-RES	317913.3	6257588.0	38 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07450	U	138	NCA15	55	50	48	42	0.4	0.26	7.5					
3172	07450-173U-RES	317946.6	6257577.5	1 VINEYARD STREET, RYDALMERE 2116	RES	Residential		07450	U	173	NCA15	55	50	48	42	0.4	0.26	7.5					
3173	07450-192U-RES	317965.5	6257575.1	3 VINEYARD STREET, RYDALMERE 2116	RES	Residential		07450	U	192	NCA15	55	50	48	42	0.4	0.26	7.5					
3174	07450-034D-RES	317745.8	6257643.2	58 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07450	D	34	NCA15	55	50	48	42	0.4	0.26	7.5					
3175	07450-046U-RES	317825.2	6257616.0	58 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07450	U	46	NCA15	55	50	48	42	0.4	0.26	7.5					
3176	07450-095U-RES	317872.5	6257601.8	57 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07450	U	95	NCA15	55	50	48	42	0.4	0.26	7.5					
3177	07455-121D-RES	317664.9	6257674.8	46 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07455	D	121	NCA15	55	50	48	42	0.4	0.26	7.5					
3178	07455-194D-RES	317594.7	6257693.8	61 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07455	D	194	NCA15	55	50	48	42	0.4	0.26	7.5					
3179	07455-211U-RES	317984.6	6257571.9	5 VINEYARD STREET, RYDALMERE 2116	RES	Residential		07455	U	211	NCA15	55	50	48	42	0.4	0.26	7.5					
3180	07455-247U-RES	318018.5	6257561.1	12A ADELINE STREET, RYDALMERE 2116	RES	Residential		07455	U	247	NCA15	55	50	48	42	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3181	07460-299U-RES	318070.3	6257550.4	3-17 ADELINE STREET, RYDALMERE 2116	RES	Residential		07460	U	299	NCA15	55	50	48	42	0.4	0.26	7.5					
3182	07460-079D-RES	317705.7	6257665.5	57 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07460	D	79	NCA15	55	50	48	42	0.4	0.26	7.5					
3183	07460-088U-RES	317869.1	6257615.9	59 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07460	U	88	NCA15	55	50	48	42	0.4	0.26	7.5					
3184	07465-137U-RES	317916.6	6257602.1	40 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07465	U	137	NCA15	55	50	48	42	0.4	0.26	7.5					
3185	07465-189D-RES	317603.6	6257704.6	63 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07465	D	189	NCA15	55	50	48	42	0.4	0.26	7.5					
3186	07465-246U-RES	318020.7	6257568.5	12 ADELINE STREET, RYDALMERE 2116	RES	Residential		07465	U	246	NCA15	55	50	48	42	0.4	0.26	7.5					
3187	07465-034D-RES	317750.3	6257655.0	60 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07465	D	34	NCA15	55	50	48	42	0.4	0.26	7.5					
3188	07465-044U-RES	317827.4	6257629.7	60 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07465	U	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3189	07470-228U-RES	318005.6	6257580.4	10A ADELINE STREET, RYDALMERE 2116	RES	Residential		07470	U	228	NCA15	55	50	48	42	0.4	0.26	7.5					
3190	07475-137U-RES	317920.9	6257614.4	42 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07475	U	137	NCA15	55	50	48	42	0.4	0.26	7.5					
3191	07475-252U-RES	318029.5	6257579.2	10 ADELINE STREET, RYDALMERE 2116	RES	Residential		07475	U	252	NCA15	55	50	48	42	0.4	0.26	7.5					
3192	07475-046U-RES	317834.2	6257642.9	62 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07475	U	46	NCA15	55	50	48	42	0.4	0.26	7.5					
3193	07475-082D-RES	317708.0	6257680.1	59 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07475	D	82	NCA15	55	50	48	42	0.4	0.26	7.5					
3194	07475-093U-RES	317878.4	6257627.2	61 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07475	U	93	NCA15	55	50	48	42	0.4	0.26	7.5					
3195	07480-184D-RES	317612.4	6257717.7	65 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07480	D	184	NCA15	55	50	48	42	0.4	0.26	7.5					
3196	07480-032D-RES	317756.4	6257669.5	62 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07480	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3197	07485-167D-RES	317629.2	6257715.1	67 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07485	D	167	NCA15	55	50	48	42	0.4	0.26	7.5					
3198	07490-135U-RES	317923.1	6257629.0	44 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07490	U	135	NCA15	55	50	48	42	0.4	0.26	7.5					
3199	07490-242U-RES	318024.4	6257595.3	8 ADELINE STREET, RYDALMERE 2116	RES	Residential		07490	U	242	NCA15	55	50	48	42	0.4	0.26	7.5					
3200	07490-034D-RES	317758.7	6257682.4	64 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07490	D	34	NCA15	55	50	48	42	0.4	0.26	7.5					
3201	07490-042U-RES	317833.9	6257656.1	64 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07490	U	42	NCA15	55	50	48	42	0.4	0.26	7.5					
3202	07490-095U-RES	317884.6	6257638.9	63 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07490	U	95	NCA15	55	50	48	42	0.4	0.26	7.5					
3203	07495-142D-RES	317655.8	6257716.7	71 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07495	D	142	NCA15	55	50	48	42	0.4	0.26	7.5					
3204	07495-161D-RES	317638.3	6257722.1	69 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07495	D	161	NCA15	55	50	48	42	0.4	0.26	7.5					
3205	07495-294U-RES	318076.0	6257586.3	3-17 ADELINE STREET, RYDALMERE 2116	RES	Residential		07495	U	294	NCA15	55	50	48	42	0.4	0.26	7.5					
3206	07500-128D-RES	317671.1	6257718.2	73 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07500	D	128	NCA15	55	50	48	42	0.4	0.26	7.5					
3207	07500-170U-RES	317958.4	6257624.9	2 PRYOR STREET, RYDALMERE 2116	RES	Residential		07500	U	170	NCA15	55	50	48	42	0.4	0.26	7.5					
3208	00750-015U-RES	314169.3	6257918.7	30 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00750	U	15	NCA04	59	54	53	52	0.4	0.26	7.5			To be demolished by PLR		
3209	00750-281D-MED	313935.6	6258110.8	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00750	D	281	NCA05	65	65	65	65	0.8	0.8	7.5					
3210	07505-114D-RES	317686.0	6257719.4	75 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07505	D	114	NCA15	55	50	48	42	0.4	0.26	7.5					
3211	07505-140U-RES	317931.7	6257638.9	46 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07505	U	140	NCA15	55	50	48	42	0.4	0.26	7.5					
3212	07505-186U-RES	317976.5	6257629.0	4 PRYOR STREET, RYDALMERE 2116	RES	Residential		07505	U	186	NCA15	55	50	48	42	0.4	0.26	7.5					
3213	07505-241U-RES	318028.1	6257609.7	6A ADELINE STREET, RYDALMERE 2116	RES	Residential		07505	U	241	NCA15	55	50	48	42	0.4	0.26	7.5					
3214	07505-035D-RES	317761.9	6257696.5	66 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07505	D	35	NCA15	55	50	48	42	0.4	0.26	7.5					
3215	07505-043U-RES	317839.0	6257669.3	66 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07505	U	43	NCA15	55	50	48	42	0.4	0.26	7.5					
3216	07505-090U-RES	317883.8	6257655.0	65 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07505	U	90	NCA15	55	50	48	42	0.4	0.26	7.5					
3217	07510-102D-RES	317699.5	6257721.6	77 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07510	D	102	NCA15	55	50	48	42	0.4	0.26	7.5					
3218	07510-198U-RES	317988.5	6257625.9	6 PRYOR STREET, RYDALMERE 2116	RES	Residential		07510	U	198	NCA15	55	50	48	42	0.4	0.26	7.5					
3219	07515-089D-RES	317713.0	6257721.9	79 ANDERSON AVENUE, DUNDAS 2117	RES	Residential		07515	D	89	NCA15	55	50	48	42	0.4	0.26	7.5					
3220	07515-091U-RES	317888.4	6257666.2	67 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07515	U	91	NCA15	55	50	48	42	0.4	0.26	7.5					
3221	07520-239U-RES	318030.9	6257624.8	4A ADELINE STREET, RYDALMERE 2116	RES	Residential		07520	U	239	NCA15	55	50	48	42	0.4	0.26	7.5					
3222	07520-032D-RES	317768.8	6257707.8	68 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07520	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3223	07520-041U-RES	317842.1	6257684.0	68 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07520	U	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3224	07525-079D-RES	317725.3	6257727.5	61 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07525	D	79	NCA15	55	50	48	42	0.4	0.26	7.5					
3225	07535-235D-RES	317580.5	6257785.3	21 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07535	D	235	NCA15	55	50	48	42	0.4	0.26	7.5					
3226	07535-030D-RES	317774.9	6257720.7	70 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07535	D	30	NCA15	55	50	48	42	0.4	0.26	7.5					
3227	07535-042U-RES	317848.1	6257699.7	70 DUDLEY STREET, RYDALMERE 2116	RES	Residential	1	07535	U	42	NCA15	55	50	48	42	0.4	0.26	7.5					
3228	07540-222D-RES	317594.5	6257786.6	23 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07540	D	222	NCA15	55	50	48	42	0.4	0.26	7.5					
3229	07540-075D-RES	317734.0	6257739.7	63 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07540	D	75	NCA15	55	50	48	42	0.4	0.26	7.5					
3230	07545-209D-RES	317610.9	6257792.7	25 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07545	D	209	NCA15	55	50	48	42	0.4	0.26	7.5					
3231	07545-029D-RES	317779.6	6257732.2	72 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07545	D	29	NCA15	55	50	48	42	0.4	0.26	7.5					
3232	07550-194D-RES	317627.2	6257796.1	27A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07550	D	194	NCA15	55	50	48	42	0.4	0.26	7.5					
3233	07550-073D-RES	317740.9	6257752.4	65 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07550	D	73	NCA15	55	50	48	42	0.4	0.26	7.5					
3234	07550-086U-RES	317892.8	6257694.8	69 CROWGEY STREET, RYDALMERE 2116	RES	Residential		07550	U	86	NCA15	55	50	48	42	0.4	0.26	7.5					
3235	07555-182D-RES	317642.6	6257800.5	29 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07555	D	182	NCA15	55	50	48	42	0.4	0.26	7.5					
3236	07555-028D-RES	317785.6	6257743.5	74 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07555	D	28	NCA15	55	50	48	42	0.4	0.26	7.5					
3237	07560-073D-RES	317745.9	6257764.5	67 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07560	D	73	NCA15	55	50	48	42	0.4	0.26	7.5					
3238	07565-153D-RES	317676.7	6257806.1	33 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07565	D	153	NCA15	55	50	48	42	0.4	0.26	7.5					
3239	07565-278D-RES	317561.9	6257855.1	28 KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07565	D	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3240	07570-142D-RES	317689.0	6257806.4	35 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07570	D	142	NCA15	55	50	48	42	0.4	0.26	7.5					
3241	07570-260D-RES	317582.5	6257858.0	30 KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07570	D	260	NCA16	56	51	47	39	0.4	0.26	7.5					
3242	07570-027D-RES	317793.3	6257757.6	76 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07570	D	27	NCA15	55	50	48	42	0.4	0.26	7.5					
3243	07570-071D-RES	317753.9	6257777.7	69 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07570	D	71	NCA15	55	50	48	42	0.4	0.26	7.5					
3244	07575-135D-RES	317699.4	6257811.5	37 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07575	D	135	NCA15	55	50	48	42	0.4	0.26	7.5					
3245	07575-244D-RES	317603.1	6257862.5	32 KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07575	D	244	NCA16	56	51	47	39	0.4	0.26	7.5					
3246	07580-122D-RES	317715.0	6257812.7	39 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07580	D	122	NCA15	55	50	48	42	0.4	0.26	7.5					
3247	07580-168U-RES	317972.3	6257671.7	1 PRYOR STREET, RYDALMERE 2116	RES	Residential		07580	U	168	NCA15	55	50	48	42	0.4	0.26	7.5					
3248	07580-208D-RES	317641.3	6257857.9	36 KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07580	D	208	NCA16	56	51	47	39	0.4	0.26	7.5					
3249	07580-227D-RES	317624.1	6257866.3	34 KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07580	D	227	NCA16	56	51	47	39	0.4	0.26	7.5					
3250	07580-028D-RES	317798.0	6257769.4	78 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07580	D	28	NCA15	55	50	48	42	0.4	0.26	7.5					
3251	07580-074D-RES	317758.2	6257791.3	71 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07580	D	74	NCA15	55	50	48	42	0.4	0.26	7.5					
3252	07585-283D-RES	317580.0	6257901.7	4 URALBA PLACE, OATLANDS 2117	RES	Residential		07585	D	283	NCA16	56	51	47	39	0.4	0.26	7.5					
3253	07590-262D-RES	317606.1	6257903.8	5 URALBA PLACE, OATLANDS 2117	RES	Residential		07590	D	262	NCA16	56	51	47	39	0.4	0.26	7.5					
3254	07595-214D-RES	317647.3	6257880.4	36A KISSING POINT ROAD, OATLANDS 2117	RES	Residential		07595	D	214	NCA16	56	51	47	39	0.4	0.26	7.5					
3256	07595-030D-RES	317804.2	6257782.7	80 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07595	D	30	NCA15	55	50	48	42	0.4	0.26	7.5					
3257	07595-073D-RES	317766.5	6257804.4	73 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07595	D	73	NCA15	55	50	48	42	0.4	0.26	7.5					
3258	07600-130U-RES	317942.4	6257696.0	2 CALDER ROAD, RYDALMERE 2116	RES	Residential		07600	U	130	NCA15	55	50	48	42	0.4	0.26	7.5					
3259	07600-240D-RES	317635.7	6257909.3	6 URALBA PLACE, OATLANDS 2117	RES	Residential		07600	D	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3260	00760-151D-MED	314070.4	6258062.6	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00760	D	151	NCA05	65	65	65	65	0.8	0.8	7.5					
3261	00760-263D-MED	314002.5	6258152.5	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00760	D	263	NCA05	65	65	65	65	0.8	0.8	7.5					
3262	07605-183D-PoW	317685.9	6257881.8	40 KISSING POINT ROAD, OATLANDS 2117	PoW	Place of Worship		07605	D	183	NCA16	55	55	55	55	0.8	0.8	7.5					
3264	07605-033D-RES	317809.0	6257795.8	82 RIPPON AVENUE, DUNDAS 2117	RES	Residential	2	07605	D	33	NCA15	55	50	48	42	0.4	0.26	7.5					
3265	07610-230D-RES	317651.9	6257914.2	9 URALBA PLACE, OATLANDS 2117	RES	Residential		07610	D	230	NCA16	56	51	47	39	0.4	0.26	7.5					
3266	07615-226D-RES	317659.8	6257919.1	9A URALBA PLACE, OATLANDS 2117	RES	Residential		07615	D	226	NCA16	56	51	47	39	0.4	0.26	7.5					
3267	07615-256D-RES	317636.0	6257936.9	7 URALBA PLACE, OATLANDS 2117	RES	Residential		07615	D	256	NCA16	56	51	47	39	0.4	0.26	7.5					
3268	07615-081D-RES	317777.3	6257833.8	77 RIPPON AVENUE, DUNDAS 2117	RES	Residential		07615	D	81	NCA15	55	50	48	42	0.4	0.26	7.5					
3269	07620-146U-RES	317960.4	6257692.6	4 CALDER ROAD, RYDALMERE 2116	RES	Residential		07620	U	146	NCA15	55	50	48	42	0.4	0.26	7.5					
3270	07620-038D-RES	317813.0	6257809.7	84 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07620	D	38	NCA15	55	50	48	42	0.4	0.26	7.5					
3271	07625-228D-RES	317673.3	6257938.9	3 TULONG AVENUE, OATLANDS 2117	RES	Residential		07625	D	228	NCA16	56	51	47	39	0.4	0.26	7.5					
3272	07625-258D-RES	317648.5	6257956.0	5 TULONG AVENUE, OATLANDS 2117	RES	Residential		07625	D	258	NCA16	56	51	47	39	0.4	0.26	7.5					
3273	07630-212D-RES	317692.9	6257936.9	1 TULONG AVENUE, OATLANDS 2117	RES	Residential		07630	D	212	NCA16	56	51	47	39	0.4	0.26	7.5					
3274	07630-041D-RES	317819.6	6257821.8	86 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07630	D	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3275	07640-274D-RES	317663.8	6257996.8	6 TULONG AVENUE, OATLANDS 2117	RES	Residential		07640	D	274	NCA16	56	51	47	39	0.4	0.26	7.5					
3276	07640-041D-RES	317829.5	6257832.7	88 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07640	D	41	NCA15	55	50	48	42	0.4	0.26	7.5					
3277	07645-297D-RES	317650.3	6258014.7	8 TULONG AVENUE, OATLANDS 2117	RES	Residential		07645	D	297	NCA16	56	51	47	39	0.4	0.26	7.5					
3278	00765-278D-MED	314010.5	6258176.6	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00765	D	278	NCA05	65	65	65	65	0.8	0.8	7.5					
3279	00765-285D-MED	314037.2	6258199.4	166 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00765	D	285	NCA05	65	65	65	65	0.8	0.8	7.5					
3280	07655-044D-RES	317838.3	6257845.4	43 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07655	D	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3281	00765-095D-MED	314115.5	6258026.3	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	3	00765	D	95	NCA05	65	65	65	65	0.8	0.8	7.5					
3282	07660-232D-RES	317722.1	6257993.7	4 TULONG AVENUE, OATLANDS 2117	RES	Residential		07660	D	232	NCA16	56	51	47	39	0.4	0.26	7.5					
3283	07665-047D-RES	317847.8	6257857.5	45 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07665	D	47	NCA15	55	50	48	42	0.4	0.26	7.5					
3284	07670-220D-RES	317743.7	6257995.8	2 BELLS ROAD, OATLANDS 2117	RES	Residential		07670	D	220	NCA16	56	51	47	39	0.4	0.26	7.5					
3285	07675-246D-RES	317739.7	6258024.6	4 BELLS ROAD, OATLANDS 2117	RES	Residential		07675	D	246	NCA16	56	51	47	39	0.4	0.26	7.5					
3286	07680-047D-RES	317859.3	6257865.7	47 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07680	D	47	NCA15	55	50	48	42	0.4	0.26	7.5					
3287	07690-274D-RES	317744.8	6258062.0	6 BELLS ROAD, OATLANDS 2117	RES	Residential		07690	D	274	NCA16	56	51	47	39	0.4	0.26	7.5					
3288	07690-045D-RES	317872.6	6257872.1	49 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07690	D	45	NCA15	55	50	48	42	0.4	0.26	7.5					
3289	07695-177U-RES	317994.8	6257682.4	8 CALDER ROAD, RYDALMERE 2116	RES	Residential		07695	U	177	NCA15	55	50	48	42	0.4	0.26	7.5					
3290	07700-122U-COM	317968.8	6257730.8	2A STATION STREET, DUNDAS 2117	COM	Commercial	2	07700	U	122	NCA15	70	70	70	70	0.8	0.8	7.5					
3291	07700-046D-RES	317881.4	6257878.9	51 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07700	D	46	NCA15	55	50	48	42	0.4	0.26	7.5					
3292	07705-115U-COM	317968.4	6257739.3	4A STATION STREET, DUNDAS 2117	COM	Commercial	2	07705	U	115	NCA15	70	70	70	70	0.8	0.8	7.5					
3293	07705-050U-COM	317936.1	6257795.0	30 STATION STREET, DUNDAS 2117	COM	Commercial	2	07705	U	50	NCA15	70	70	70	70	0.8	0.8	7.5					
3294	07710-191U-RES	318009.9	6257675.0	10 CALDER ROAD, RYDALMERE 2116	RES	Residential		07710	U	191	NCA15	55	50	48	42	0.4	0.26	7.5					
3295	07710-229U-RES	318027.3	6257640.8	2 ADELINE STREET, RYDALMERE 2116	RES	Residential		07710	U	229	NCA15	55	50	48	42	0.4	0.26	7.5					
3296	07710-284D-RES	317775.9	6258092.3	8 BELLS ROAD, OATLANDS 2117	RES	Residential		07710	D	284	NCA16	56	51	47	39	0.4	0.26	7.5					
3297	07715-105U-COM	317969.0	6257751.0	8 STATION STREET, DUNDAS 2117	COM	Commercial	2	07715	U	105	NCA15	70	70	70	70	0.8	0.8	7.5					
3298	07715-111U-COM	317972.0	6257745.3	6A STATION STREET, DUNDAS 2117	COM	Commercial	2	07715	U	111	NCA15	70	70	70	70	0.8	0.8	7.5					
3299	07715-055U-COM	317947.0	6257795.9	28 STATION STREET, DUNDAS 2117	COM	Commercial	1	07715	U	55	NCA15	70	70	70	70	0.8	0.8	7.5					
3300	07715-093U-COM	317966.5	6257763.4	12 STATION STREET, DUNDAS 2117	COM	Commercial	2	07715	U	93	NCA15	70	70	70	70	0.8	0.8	7.5					
3301	07715-098U-COM	317967.8	6257757.6	10 STATION STREET, DUNDAS 2117	COM	Commercial	2	07715	U	98	NCA15	70	70	70	70	0.8	0.8	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3302	07720-198U-RES	318021.2	6257673.9	12 CALDER ROAD, RYDALMERE 2116	RES	Residential		07720	U	198	NCA15	55	50	48	42	0.4	0.26	7.5					
3303	07720-044D-RES	317898.7	6257886.0	53 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07720	D	44	NCA15	55	50	48	42	0.4	0.26	7.5					
3304	07720-088U-COM	317966.7	6257769.2	14 STATION STREET, DUNDAS 2117	COM	Commercial	2	07720	U	88	NCA15	70	70	70	70	0.8	0.8	7.5					
3305	07725-056U-COM	317955.1	6257799.0	24 STATION STREET, DUNDAS 2117	COM	Commercial	1	07725	U	56	NCA15	70	70	70	70	0.8	0.8	7.5					
3306	07725-081U-COM	317966.1	6257776.1	16 STATION STREET, DUNDAS 2117	COM	Commercial	2	07725	U	81	NCA15	70	70	70	70	0.8	0.8	7.5					
3307	07730-207U-RES	318034.2	6257670.8	14 CALDER ROAD, RYDALMERE 2116	RES	Residential		07730	U	207	NCA15	55	50	48	42	0.4	0.26	7.5					
3308	07730-021D-RES	317919.1	6257871.4	55 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07730	D	21	NCA15	55	50	48	42	0.4	0.26	7.5					
3309	07730-075U-COM	317969.4	6257784.8	18 STATION STREET, DUNDAS 2117	COM	Commercial	1	07730	U	75	NCA15	70	70	70	70	0.8	0.8	7.5					
3310	07735-062U-COM	317966.0	6257798.4	20 STATION STREET, DUNDAS 2117	COM	Commercial	2	07735	U	62	NCA15	70	70	70	70	0.8	0.8	7.5					
3311	07740-022D-RES	317930.6	6257879.0	57 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07740	D	22	NCA15	55	50	48	42	0.4	0.26	7.5					
3312	07745-216U-RES	318049.3	6257668.0	16 CALDER ROAD, RYDALMERE 2116	RES	Residential		07745	U	216	NCA15	55	50	48	42	0.4	0.26	7.5					
3313	07745-277U-RES	318079.5	6257615.8	3-17 ADELINE STREET, RYDALMERE 2116	RES	Residential		07745	U	277	NCA15	55	50	48	42	0.4	0.26	7.5					
3314	07755-265D-COM	317821.4	6258096.5	1B BELLS ROAD, OATLANDS 2117	COM	Commercial		07755	D	265	NCA16	70	70	70	70	0.8	0.8	7.5					
3315	07755-037D-RES	317935.2	6257899.1	59 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07755	D	37	NCA15	55	50	48	42	0.4	0.26	7.5					
3316	07760-151U-RES	318030.8	6257732.9	1 STATION STREET, DUNDAS 2117	RES	Residential		07760	U	151	NCA15	55	50	48	42	0.4	0.26	7.5					
3317	07765-261U-RES	318089.1	6257639.7	18-20 CALDER ROAD, RYDALMERE 2116	RES	Residential		07765	U	261	NCA15	55	50	48	42	0.4	0.26	7.5					
3318	07770-127U-RES	318030.1	6257759.9	9 STATION STREET, DUNDAS 2117	RES	Residential		07770	U	127	NCA15	55	50	48	42	0.4	0.26	7.5					
3319	07770-028D-RES	317951.5	6257898.2	61A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07770	D	28	NCA15	55	50	48	42	0.4	0.26	7.5					
3320	07770-030U-RES	317984.1	6257845.1	32 STATION STREET, DUNDAS 2117	RES	Residential	6	07770	U	30	NCA15	55	50	48	42	0.4	0.26	7.5					
3321	07775-051D-RES	317943.2	6257919.5	61 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07775	D	51	NCA15	55	50	48	42	0.4	0.26	7.5					
3322	07780-240U-RES	318091.7	6257665.1	18-20 CALDER ROAD, RYDALMERE 2116	RES	Residential		07780	U	240	NCA15	55	50	48	42	0.4	0.26	7.5					
3323	07785-104U-RES	318031.3	6257786.9	11 STATION STREET, DUNDAS 2117	RES	Residential		07785	U	104	NCA15	55	50	48	42	0.4	0.26	7.5					
3324	07785-169U-RES	318061.6	6257729.4	1 CALDER ROAD, RYDALMERE 2116	RES	Residential		07785	U	169	NCA15	55	50	48	42	0.4	0.26	7.5					
3325	07785-032D-RES	317963.7	6257908.7	63 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		07785	D	32	NCA15	55	50	48	42	0.4	0.26	7.5					
3326	07790-241D-RES	317862.2	6258091.5	20 WYUNA PLACE, OATLANDS 2117	RES	Residential		07790	D	241	NCA16	56	51	47	39	0.4	0.26	7.5					
3327	07790-258U-RES	318115.6	6257658.2	22-28 CALDER ROAD, RYDALMERE 2116	RES	Residential		07790	U	258	NCA15	55	50	48	42	0.4	0.26	7.5					
3328	07790-081U-RES	318025.0	6257810.1	15 STATION STREET, DUNDAS 2117	RES	Residential		07790	U	81	NCA15	55	50	48	42	0.4	0.26	7.5					
3329	07795-180U-RES	318079.2	6257727.2	3 CALDER ROAD, RYDALMERE 2116	RES	Residential		07795	U	180	NCA15	55	50	48	42	0.4	0.26	7.5					
3330	07800-274U-RES	318135.4	6257650.2	22-28 CALDER ROAD, RYDALMERE 2116	RES	Residential		07800	U	274	NCA15	55	50	48	42	0.4	0.26	7.5					
3331	07800-045D-RES	317969.8	6257927.8	65 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07800	D	45	NCA15	55	50	48	42	0.4	0.26	7.5					
3332	00780-241D-MED	314215.2	6258186.1	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00780	D	241	NCA05	65	65	65	65	0.8	0.8	7.5					
3333	07805-195U-RES	318097.3	6257720.3	5 CALDER ROAD, RYDALMERE 2116	RES	Residential		07805	U	195	NCA15	55	50	48	42	0.4	0.26	7.5					
3334	07810-129U-RES	318068.7	6257779.3	1 CALDER ROAD, RYDALMERE 2116	RES	Residential		07810	U	129	NCA15	55	50	48	42	0.4	0.26	7.5					
3335	07810-027U-RES	318017.3	6257868.3	32 STATION STREET, DUNDAS 2117	RES	Residential	6	07810	U	27	NCA15	55	50	48	42	0.4	0.26	7.5					
3336	07810-087U-RES	318046.0	6257815.2	19 STATION STREET, DUNDAS 2117	RES	Residential		07810	U	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3337	07815-150U-RES	318085.3	6257765.7	3 CALDER ROAD, RYDALMERE 2116	RES	Residential		07815	U	150	NCA15	55	50	48	42	0.4	0.26	7.5					
3338	07815-206U-RES	318114.4	6257717.1	7 CALDER ROAD, RYDALMERE 2116	RES	Residential		07815	U	206	NCA15	55	50	48	42	0.4	0.26	7.5					
3339	07815-287U-RES	318155.6	6257647.6	22-28 CALDER ROAD, RYDALMERE 2116	RES	Residential		07815	U	287	NCA15	55	50	48	42	0.4	0.26	7.5					
3340	07815-290D-RES	317853.1	6258143.3	1 WYUNA PLACE, OATLANDS 2117	RES	Residential		07815	D	290	NCA16	56	51	47	39	0.4	0.26	7.5					
3341	07815-040D-RES	317982.9	6257929.6	67 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07815	D	40	NCA15	55	50	48	42	0.4	0.26	7.5					
3342	07820-219D-RES	317892.9	6258084.9	19 WYUNA PLACE, OATLANDS 2117	RES	Residential		07820	D	219	NCA16	56	51	47	39	0.4	0.26	7.5					
3343	07825-092U-RES	318064.2	6257820.0	21 STATION STREET, DUNDAS 2117	RES	Residential		07825	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3344	07830-201D-RES	317912.7	6258076.2	18 WYUNA PLACE, OATLANDS 2117	RES	Residential		07830	D	201	NCA16	56	51	47	39	0.4	0.26	7.5					
3345	07830-278D-RES	317873.1	6258142.2	2 WYUNA PLACE, OATLANDS 2117	RES	Residential		07830	D	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3346	07830-040D-RES	317998.0	6257938.6	69 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07830	D	40	NCA15	55	50	48	42	0.4	0.26	7.5					
3347	07835-171U-RES	318111.7	6257756.8	11-12 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07835	U	171	NCA15	55	50	48	42	0.4	0.26	7.5					
3348	07845-020D-RES	318020.4	6257928.9	71 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07845	D	20	NCA15	55	50	48	42	0.4	0.26	7.5					
3349	07845-264D-RES	317890.5	6258136.4	3 WYUNA PLACE, OATLANDS 2117	RES	Residential		07845	D	264	NCA16	56	51	47	39	0.4	0.26	7.5					
3350	07845-027U-RES	318046.5	6257886.0	34 STATION STREET, DUNDAS 2117	RES	Residential	2	07845	U	27	NCA15	55	50	48	42	0.4	0.26	7.5					
3351	07845-092U-RES	318081.6	6257830.9	23 STATION STREET, DUNDAS 2117	RES	Residential		07845	U	92	NCA15	55	50	48	42	0.4	0.26	7.5					
3352	07850-191D-RES	317934.5	6258077.3	17 WYUNA PLACE, OATLANDS 2117	RES	Residential		07850	D	191	NCA16	56	51	47	39	0.4	0.26	7.5					
3353	07850-234U-RES	318155.9	6257710.5	11-13 CALDER ROAD, RYDALMERE 2116	RES	Residential		07850	U	234	NCA15	55	50	48	42	0.4	0.26	7.5					
3354	00785-116D-MED	314223.8	6258056.2	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00785	D	116	NCA05	65	65	65	65	0.8	0.8	7.5					
3355	00785-054D-MED	314193.9	6258000.6	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	2	00785	D	54	NCA05	65	65	65	65	0.8	0.8	7.5					
3356	07860-143U-RES	318117.9	6257793.7	8-10 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07860	U	143	NCA15	55	50	48	42	0.4	0.26	7.5					
3357	07860-250D-RES	317913.5	6258134.0	4 WYUNA PLACE, OATLANDS 2117	RES	Residential		07860	D	250	NCA16	56	51	47	39	0.4	0.26	7.5					
3358	07860-298U-RES	318195.7	6257659.3	30 CALDER ROAD, RYDALMERE 2116	RES	Residential		07860	U	298	NCA15	55	50	48	42	0.4	0.26	7.5					
3359	07865-179D-RES	317958.1	6258077.3	16 WYUNA PLACE, OATLANDS 2117	RES	Residential		07865	D	179	NCA16	56	51	47	39	0.4	0.26	7.5					
3360	07865-077U-RES	318088.2	6257852.9	25 STATION STREET, DUNDAS 2117	RES	Residential		07865	U	77	NCA15	55	50	48	42	0.4	0.26	7.5					
3361	07870-128U-RES	318118.6	6257811.3	8-10 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07870	U	128	NCA15	55	50	48	42	0.4	0.26	7.5					
3362	07870-013D-RES	318043.4	6257935.4	73 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	07870	D	13	NCA15	55	50	48	42	0.4	0.26	7.5					
3363	07870-203U-RES	318155.2	6257745.4	1 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07870	U	203	NCA15	55	50	48	42	0.4	0.26	7.5					
3364	07870-241D-RES	317932.8	6258134.8	5 WYUNA PLACE, OATLANDS 2117	RES	Residential		07870	D	241	NCA16	56	51	47	39	0.4	0.26	7.5					
3365	07870-026U-RES	318065.2	6257897.7	34 STATION STREET, DUNDAS 2117	RES	Residential	2	07870	U	26	NCA15	55	50	48	42	0.4	0.26	7.5					
3366	07880-171D-RES	317976.7	6258079.0	15 WYUNA PLACE, OATLANDS 2117	RES	Residential		07880	D	171	NCA16	56	51	47	39	0.4	0.26	7.5					
3367	07885-231D-RES	317952.7	6258133.9	6 WYUNA PLACE, OATLANDS 2117	RES	Residential		07885	D	231	NCA16	56	51	47	39	0.4	0.26	7.5					
3368	07890-054U-RES	318097.4	6257884.2	27 STATION STREET, DUNDAS 2117	RES	Residential	1	07890	U	54	NCA15	55	50	48	42	0.4	0.26	2.5	Heritage				
3369	07890-291D-RES	317925.3	6258187.1	36 GREENS AVENUE, OATLANDS 2117	RES	Residential		07890	D	291	NCA16	56	51	47	39	0.4	0.26	7.5					
3370	07890-062D-RES	318039.9	6257989.5	78 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07890	D	62	NCA16	56	51	47	39	0.4	0.26	7.5					
3371	07890-087U-RES	318112.6	6257855.0	7 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07890	U	87	NCA15	55	50	48	42	0.4	0.26	7.5					
3372	07895-106U-RES	318129.1	6257842.0	7 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07895	U	106	NCA15	55	50	48	42	0.4	0.26	7.5					
3373	07895-187U-RES	318166.3	6257770.6	2 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07895	U	187	NCA15	55	50	48	42	0.4	0.26	7.5					
3374	07900-154D-RES	318000.8	6258073.2	14 WYUNA PLACE, OATLANDS 2117	RES	Residential		07900	D	154	NCA16	56	51	47	39	0.4	0.26	7.5					
3375	07905-118U-PoW	318143.2	6257836.3	7 ST ANDREWS STREET, DUNDAS 2117	PoW	Place of Worship		07905	U	118	NCA15	55	55	55	55	0.8	0.8	7.5					
3376	07905-218D-RES	317974.1	6258130.9	7 WYUNA PLACE, OATLANDS 2117	RES	Residential		07905	D	218	NCA16	56	51	47	39	0.4	0.26	7.5					
3377	07905-278D-RES	317945.5	6258183.7	38 GREENS AVENUE, OATLANDS 2117	RES	Residential		07905	D	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3378	07910-170U-RES	318171.4	6257792.5	3 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07910	U	170	NCA15	55	50	48	42	0.4	0.26	7.5					
3379	07920-147D-RES	318022.8	6258077.5	13 WYUNA PLACE, OATLANDS 2117	RES	Residential		07920	D	147	NCA16	56	51	47	39	0.4	0.26	7.5					
3380	07920-204D-RES	317996.4	6258127.9	8 WYUNA PLACE, OATLANDS 2117	RES	Residential		07920	D	204	NCA16	56	51	47	39	0.4	0.26	7.5					
3381	07920-266D-RES	317965.2	6258181.2	40 GREENS AVENUE, OATLANDS 2117	RES	Residential		07920	D	266	NCA16	56	51	47	39	0.4	0.26	7.5					
3382	07920-053U-RES	318121.3	6257899.3	75 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07920	U	53	NCA15	55	50	48	42	0.4	0.26	7.5					
3383	07930-198U-EDU	318202.3	6257778.2	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational	1	07930	U	198	NCA15	55	55	55	55	0.8	0.8	7.5					
3384	07930-094U-RES	318152.2	6257869.1	79A KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07930	U	94	NCA15	55	50	48	42	0.4	0.26	7.5					
3385	07935-145U-RES	318180.0	6257826.3	4-5 ST ANDREWS STREET, DUNDAS 2117	RES	Residential		07935	U	145	NCA15	55	50	48	42	0.4	0.26	7.5					
3386	07935-253D-RES	317985.0	6258177.5	42 GREENS AVENUE, OATLANDS 2117	RES	Residential		07935	D	253	NCA16	56	51	47	39	0.4	0.26	7.5					
3387	07940-136D-RES	318045.3	6258076.8	12 WYUNA PLACE, OATLANDS 2117	RES	Residential		07940	D	136	NCA16	56	51	47	39	0.4	0.26	7.5					
3388	07940-079U-RES	318154.5	6257887.2	79 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07940	U	79	NCA15	55	50	48	42	0.4	0.26	7.5					
3389	07945-195D-RES	318020.0	6258130.1	9 WYUNA PLACE, OATLANDS 2117	RES	Residential		07945	D	195	NCA16	56	51	47	39	0.4	0.26	7.5					
3390	00795-180D-COM	314299.1	6258088.5	7 HAINSWORTH STREET, WESTMEAD 2145	COM	Commercial		00795	D	180	NCA05	70	70	70	70	0.8	0.8	7.5		Cumberland hospital	Support building		
3391	07955-188U-EDU	318218.0	6257798.1	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07955	U	188	NCA15	55	55	55	55	0.8	0.8	7.5					
3392	07955-240D-RES	318005.7	6258174.7	44 GREENS AVENUE, OATLANDS 2117	RES	Residential		07955	D	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3393	00795-088D-MED	314244.5	6258014.1	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00795	D	88	NCA05	65	65	65	65	0.8	0.8	7.5					
3394	07965-101U-RES	318184.1	6257879.0	81-83 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	3	07965	U	101	NCA15	55	50	48	42	0.4	0.26	7.5					
3395	07965-187D-RES	318043.3	6258134.7	10 WYUNA PLACE, OATLANDS 2117	RES	Residential		07965	D	187	NCA16	56	51	47	39	0.4	0.26	7.5					
3396	07965-230U-EDU	318250.6	6257768.2	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07965	U	230	NCA15	55	55	55	55	0.8	0.8	7.5					
3397	07965-245U-EDU	318256.6	6257754.7	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07965	U	245	NCA15	55	55	55	55	0.8	0.8	7.5					
3398	07970-198U-EDU	318238.2	6257798.0	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07970	U	198	NCA15	55	55	55	55	0.8	0.8	7.5					
3399	07970-215U-EDU	318246.0	6257783.4	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07970	U	215	NCA15	55	55	55	55	0.8	0.8	7.5					
3400	07970-227D-RES	318026.6	6258170.8	46 GREENS AVENUE, OATLANDS 2117	RES	Residential		07970	D	227	NCA16	56	51	47	39	0.4	0.26	7.5					
3401	07970-256U-EDU	318265.4	6257746.8	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07970	U	256	NCA15	55	55	55	55	0.8	0.8	7.5					
3402	07975-167U-EDU	318225.9	6257826.5	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07975	U	167	NCA15	55	55	55	55	0.8	0.8	7.5					
3403	07980-157D-RES	318069.4	6258115.2	11 WYUNA PLACE, OATLANDS 2117	RES	Residential		07980	D	157	NCA16	56	51	47	39	0.4	0.26	7.5					
3404	07980-243U-EDU	318267.4	6257763.1	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		07980	U	243	NCA15	55	55	55	55	0.8	0.8	7.5					
3405	07980-291U-RES	318289.3	6257720.4	2 KENWORTHY STREET, DUNDAS 2117	RES	Residential		07980	U	291	NCA15	55	50	48	42	0.4	0.26	7.5					
3406	07985-214D-RES	318047.8	6258168.4	48 GREENS AVENUE, OATLANDS 2117	RES	Residential		07985	D	214	NCA16	56	51	47	39	0.4	0.26	7.5					
3407	07985-297D-RES	318008.6	6258240.9	51 GREENS AVENUE, OATLANDS 2117	RES	Residential		07985	D	297	NCA16	56	51	47	39	0.4	0.26	7.5					
3408	07990-035U-RES	318174.4	6257948.5	86-94 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	3	07990	U	35	NCA16	56	51	47	39	0.4	0.26	7.5					
3409	07995-204D-RES	318069.0	6258167.8	50 GREENS AVENUE, OATLANDS 2117	RES	Residential		07995	D	204	NCA16	56	51	47	39	0.4	0.26	7.5					
3410	08005-193D-RES	318089.5	6258166.1	52 GREENS AVENUE, OATLANDS 2117	RES	Residential		08005	D	193	NCA16	56	51	47	39	0.4	0.26	7.5					
3411	08005-274D-RES	318052.1	6258237.6	55 GREENS AVENUE, OATLANDS 2117	RES	Residential		08005	D	274	NCA16	56	51	47	39	0.4	0.26	7.5					
3412	08015-181D-RES	318109.2	6258161.2	54 GREENS AVENUE, OATLANDS 2117	RES	Residential		08015	D	181	NCA16	56	51	47	39	0.4	0.26	7.5					
3413	08015-229U-EDU	318271.1	6257780.4	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08015	U	229	NCA15	55	55	55	55	0.8	0.8	7.5					
3414	08020-194U-EDU	318259.3	6257813.7	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08020	U	194	NCA15	55	55	55	55	0.8	0.8	7.5					
3415	08020-205U-EDU	318263.9	6257803.1	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08020	U	205	NCA15	55	55	55	55	0.8	0.8	7.5					
3416	08020-246D-RES	318086.2	6258222.0	57 GREENS AVENUE, OATLANDS 2117	RES	Residential		08020	D	246	NCA16	56	51	47	39	0.4	0.26	7.5					
3417	08020-278D-RES	318079.0	6258253.3	55A GREENS AVENUE, OATLANDS 2117	RES	Residential		08020	D	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3418	08025-156U-EDU	318247.0	6257849.5	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08025	U	156	NCA15	55	55	55	55	0.8	0.8	7.5					
3419	08025-168D-RES	318124.1	6258153.4	56 GREENS AVENUE, OATLANDS 2117	RES	Residential		08025	D	168	NCA16	56	51	47	39	0.4	0.26	7.5					
3420	08030-234D-RES	318110.9	6258218.8	59 GREENS AVENUE, OATLANDS 2117	RES	Residential		08030	D	234	NCA16	56	51	47	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3421	08035-277U-RES	318291.9	6257737.4	4 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08035	U	277	NCA15	55	50	48	42	0.4	0.26	7.5					
3422	08035-291D-RES	318099.6	6258275.6	3 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08035	D	291	NCA16	56	51	47	39	0.4	0.26	7.5					
3423	00080-037U-MED	313788.3	6257384.5	151-155 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	4	00080	U	37	NCA03	65	65	65	65	0.8	0.8	7.5					
3424	08040-264D-RES	318117.9	6258253.8	1 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08040	D	264	NCA16	56	51	47	39	0.4	0.26	7.5					
3425	08045-022U-RES	318215.3	6257980.2	86-94 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	3	08045	U	22	NCA16	56	51	47	39	0.4	0.26	7.5					
3426	08045-059U-RES	318226.1	6257945.0	86-94 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	3	08045	U	59	NCA16	56	51	47	39	0.4	0.26	7.5					
3427	08045-060D-RES	318185.1	6258060.9	9 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08045	D	60	NCA16	56	51	47	39	0.4	0.26	7.5					
3428	08050-262U-RES	318295.3	6257753.8	6 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08050	U	262	NCA15	55	50	48	42	0.4	0.26	7.5					
3429	08060-130U-EDU	318264.2	6257883.0	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08060	U	130	NCA15	55	55	55	55	0.8	0.8	7.5					
3430	08060-204D-RES	318157.8	6258203.1	2 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08060	D	204	NCA16	56	51	47	39	0.4	0.26	7.5					
3431	08060-242U-RES	318297.9	6257776.3	8 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08060	U	242	NCA15	55	50	48	42	0.4	0.26	7.5					
3432	08060-031D-RES	318213.0	6258039.6	8 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08060	D	31	NCA16	56	51	47	39	0.4	0.26	7.5					
3433	08070-224D-RES	318159.3	6258225.1	4 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08070	D	224	NCA16	56	51	47	39	0.4	0.26	7.5					
3434	08070-225U-RES	318299.8	6257794.7	10 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08070	U	225	NCA15	55	50	48	42	0.4	0.26	7.5					
3435	08075-209U-RES	318301.5	6257811.4	12 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08075	U	209	NCA15	55	50	48	42	0.4	0.26	7.5					
3436	08075-097D-RES	318204.0	6258105.4	11 DENHAM PLACE, DUNDAS 2117	RES	Residential		08075	D	97	NCA16	56	51	47	39	0.4	0.26	7.5					
3437	08080-137U-EDU	318283.6	6257881.6	85 KISSING POINT ROAD, DUNDAS 2117	EDU	Educational		08080	U	137	NCA15	55	55	55	55	0.8	0.8	7.5					
3438	08080-193U-RES	318302.0	6257829.2	14 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08080	U	193	NCA15	55	50	48	42	0.4	0.26	7.5					
3439	08080-243D-RES	318163.4	6258246.7	6 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08080	D	243	NCA16	56	51	47	39	0.4	0.26	7.5					
3440	08080-024D-RES	318231.8	6258038.3	7 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08080	D	24	NCA16	56	51	47	39	0.4	0.26	7.5					
3441	08085-042U-RES	318256.9	6257973.3	96 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08085	U	42	NCA16	56	51	47	39	0.4	0.26	7.5					
3442	08090-258D-RES	318171.1	6258264.6	8A HOLMES AVENUE, OATLANDS 2117	RES	Residential		08090	D	258	NCA16	56	51	47	39	0.4	0.26	7.5					
3443	08095-181U-RES	318311.7	6257844.6	16 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08095	U	181	NCA15	55	50	48	42	0.4	0.26	7.5					
3444	08095-283U-RES	318342.2	6257747.8	5 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08095	U	283	NCA15	55	50	48	42	0.4	0.26	7.5					
3445	08095-089D-RES	318226.4	6258105.2	12 DENHAM PLACE, DUNDAS 2117	RES	Residential		08095	D	89	NCA16	56	51	47	39	0.4	0.26	7.5					
3446	08100-278D-RES	318173.4	6258286.3	8 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08100	D	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3447	00810-109D-MED	314271.7	6258018.8	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00810	D	109	NCA05	65	65	65	65	0.8	0.8	7.5					
3448	00810-032U-RES	314182.3	6257905.9	28 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00810	U	32	NCA04	59	54	53	52	0.4	0.26	7.5					
3449	08105-159U-RES	318314.6	6257868.5	95 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08105	U	159	NCA15	55	50	48	42	0.4	0.26	7.5					
3450	08105-297D-RES	318171.5	6258305.6	10 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08105	D	297	NCA16	56	51	47	39	0.4	0.26	7.5					
3451	08105-031D-RES	318256.4	6258053.0	6 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08105	D	31	NCA16	56	51	47	39	0.4	0.26	7.5					
3452	08100-053U-RES	318277.6	6257968.3	98 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08100	U	53	NCA16	56	51	47	39	0.4	0.26	7.5					
3453	08115-072U-RES	318297.7	6257954.4	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08115	U	72	NCA16	56	51	47	39	0.4	0.26	7.5					
3454	08120-133U-RES	318318.7	6257897.5	95 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08120	U	133	NCA15	55	50	48	42	0.4	0.26	7.5					
3455	08120-243U-RES	318353.9	6257793.6	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08120	U	243	NCA15	55	50	48	42	0.4	0.26	7.5					
3456	08120-040U-RES	318291.2	6257986.1	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08120	U	40	NCA16	56	51	47	39	0.4	0.26	7.5					
3457	08120-040U-RES	318291.2	6257986.1	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08120	U	40	NCA16	56	51	47	39	0.4	0.26	7.5					
3458	08125-299U-RES	318378.2	6257741.8	5 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08125	U	299	NCA15	55	50	48	42	0.4	0.26	7.5					
3459	08125-085D-RES	318255.3	6258109.8	14 DENHAM PLACE, DUNDAS 2117	RES	Residential		08125	D	85	NCA16	56	51	47	39	0.4	0.26	7.5					
3460	08130-179U-RES	318345.9	6257858.2	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08130	U	179	NCA15	55	50	48	42	0.4	0.26	7.5					
3461	08130-019U-RES	318296.0	6258010.4	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08130	U	19	NCA16	56	51	47	39	0.4	0.26	7.5					
3462	08130-025D-RES	318281.4	6258055.8	5 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08130	D	25	NCA16	56	51	47	39	0.4	0.26	7.5					
3463	08135-223U-RES	318364.1	6257817.1	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08135	U	223	NCA15	55	50	48	42	0.4	0.26	7.5					
3464	08135-054U-RES	318310.3	6257977.9	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08135	U	54	NCA16	56	51	47	39	0.4	0.26	7.5					
3465	08145-155U-RES	318349.7	6257884.4	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08145	U	155	NCA15	55	50	48	42	0.4	0.26	7.5					
3466	08145-205U-RES	318366.6	6257836.9	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08145	U	205	NCA15	55	50	48	42	0.4	0.26	7.5					
3467	08145-074D-RES	318276.6	6258105.0	15 DENHAM PLACE, DUNDAS 2117	RES	Residential		08145	D	74	NCA16	56	51	47	39	0.4	0.26	7.5					
3468	08150-253U-RES	318385.1	6257792.8	6 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08150	U	253	NCA15	55	50	48	42	0.4	0.26	7.5					
3469	08150-040U-RES	318321.0	6257995.6	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08150	U	40	NCA16	56	51	47	39	0.4	0.26	7.5					
3470	08150-078U-RES	318333.7	6257960.0	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08150	U	78	NCA16	56	51	47	39	0.4	0.26	7.5					
3471	08155-184U-RES	318372.2	6257861.2	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08155	U	184	NCA15	55	50	48	42	0.4	0.26	7.5					
3472	08155-232U-RES	318386.7	6257815.9	6A ARRUNGA STREET, DUNDAS 2117	RES	Residential		08155	U	232	NCA15	55	50	48	42	0.4	0.26	7.5					
3473	08160-022D-RES	318309.6	6258061.0	4 DENHAM PLACE, DUNDAS 2117	RES	Residential	2	08160	D	22	NCA16	56	51	47	39	0.4	0.26	7.5					
3474	08165-164U-RES	318374.7	6257883.5	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08165	U	164	NCA15	55	50	48	42	0.4	0.26	7.5					
3475	08165-020U-RES	318327.1	6258019.7	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08165	U	20	NCA16	56	51	47	39	0.4	0.26	7.5					
3476	08165-246U-RES	318404.6	6257806.6	7 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08165	U	246	NCA15	55	50	48	42	0.4	0.26	7.5					
3477	08165-038U-RES	318336.6	6258002.9	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08165	U	38	NCA16	56	51	47	39	0.4	0.26	7.5					
3478	08165-060U-RES	318339.0	6257981.1	100 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08165	U	60	NCA16	56	51	47	39	0.4	0.26	7.5					
3479	08170-135U-RES	318370.7	6257912.5	7 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08170	U	135	NCA15	55	50	48	42	0.4	0.26	7.5					
3480	08170-223U-RES	318405.1	6257831.3	6 ELDER ROAD, DUNDAS 2117	RES	Residential		08170	U	223	NCA15	55	50	48	42	0.4	0.26	7.5					
3481	08175-259U-RES	318423.0	6257799.4	8 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08175	U	259	NCA15	55	50	48	42	0.4	0.26	7.5					
3482	08175-069U-RES	318353.7	6257976.6	110 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08175	U	69	NCA16	56	51	47	39	0.4	0.26	7.5					
3483	08175-074D-RES	318304.5	6258115.2	16 DENHAM PLACE, DUNDAS 2117	RES	Residential		08175	D	74	NCA16	56	51	47	39	0.4	0.26	7.5					
3484	08175-095D-RES	318295.7	6258134.4	17 DENHAM PLACE, DUNDAS 2117	RES	Residential		08175	D	95	NCA16	56	51	47	39	0.4	0.26	7.5					
3485	08180-200U-RES	318406.1	6257856.0	4A ELDER ROAD, DUNDAS 2117	RES	Residential		08180	U	200	NCA15	55	50	48	42	0.4	0.26	7.5					
3486	08180-279U-RES	318440.7	6257784.5	9 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08180	U	279	NCA15	55	50	48	42	0.4	0.26	7.5					
3487	08185-152U-RES	318396.5	6257904.3	107 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08185	U	152	NCA15	55	50	48	42	0.4	0.26	7.5					
3488	08185-025D-RES	318329.0	6258071.3	3 DENHAM PLACE, DUNDAS 2117	RES	Residential	1	08185	D	25	NCA16	56	51	47	39	0.4	0.26	7.5					
3489	08185-035U-RES	318353.4	6258013.4	110 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08185	U	35	NCA16	56	51	47	39	0.4	0.26	7.5					
3490	08190-242U-RES	318446.1	6257827.9	8 ELDER ROAD, DUNDAS 2117	RES	Residential		08190	U	242	NCA15	55	50	48	42	0.4	0.26	7.5					
3491	08190-263U-RES	318451.3	6257807.3	10 ELDER ROAD, DUNDAS 2117	RES	Residential		08190	U	263	NCA15	55	50	48	42	0.4	0.26	7.5					
3492	08190-292U-RES	318465.0	6257781.4	12 ELDER ROAD, DUNDAS 2117	RES	Residential		08190	U	292	NCA15	55	50	48	42	0.4	0.26	7.5					
3493	08195-149U-RES	318411.4	6257914.2	109 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08195	U	149	NCA15	55	50	48	42	0.4	0.26	7.5					
3494	08195-198U-RES	318435.6	6257871.4	2 ELDER ROAD, DUNDAS 2117	RES	Residential		08195	U	198	NCA15	55	50	48	42	0.4	0.26	7.5					
3495	08195-217U-RES	318442.1	6257853.2	4 ELDER ROAD, DUNDAS 2117	RES	Residential		08195	U	217	NCA15	55	50	48	42	0.4	0.26	7.5					
3496	08200-174U-RES	318432.7	6257896.0	2A ELDER ROAD, DUNDAS 2117	RES	Residential		08200	U	174	NCA15	55	50	48	42	0.4	0.26	7.5					
3497	08200-073U-RES	318385.5	6257985.5	110 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08200	U	73	NCA16	56	51	47	39	0.4	0.26	7.5					
3498	08205-149U-RES	318429.4	6257922.6	2B ELDER ROAD, DUNDAS 2117	RES	Residential		08205	U	149	NCA15	55	50	48	42	0.4	0.26	7.5					
3499	08205-045U-RES	318378.2	6258013.4	110 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08205	U	45	NCA16	56	51	47	39	0.4	0.26	7.5					
3500	08210-028U-RES	318375.8	6258030.9	110 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08210	U	28	NCA16	56	51	47	39	0.4	0.26	7.5					
3501	08210-089U-RES	318407.3	6257978.9	1 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	3	08210	U	89	NCA16	56	51	47	39	0.4	0.26	7.5					
3502	08215-253U-RES	318493.7	6257839.2	17 ELDER ROAD, DUNDAS 2117	RES	Residential		08215	U	253	NCA16	56	51	47	39	0.4	0.26	7.5					
3503	08215-277U-RES	318506.3	6257819.0	19 ELDER ROAD, DUNDAS 2117	RES	Residential		08215	U	277	NCA16	56	51	47	39	0.4	0.26	7.5					
3504	08215-287U-RES	318508.9	6257808.3	21A ELDER ROAD, DUNDAS 2117	RES	Residential		08215	U	287	NCA16	56	51	47	39	0.4	0.26	7.5					
3505	08215-295U-RES	318510.5	6257800.8	21B ELDER ROAD, DUNDAS 2117	RES	Residential		08215	U	295	NCA16	56	51	47	39	0.4	0.26	7.5					
3506	08220-041D-RES	318348.7	6258099.1	2 DENHAM PLACE, DUNDAS 2117	RES	Residential	2	08220	D	41	NCA16	56	51	47	39	0.4	0.26	7.5					
3507	08220-067U-RES	318404.4	6258001.9	3 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	2	08220	U	67	NCA16	56	51	47	39	0.4	0.26	7.5					
3508	08225-174U-RES	318472.1	6257918.1	1 ELDER ROAD, DUNDAS 2117	RES	Residential		08225	U	174	NCA16	56	51	47	39	0.4	0.26	7.5					
3509	08225-191U-RES	318475.0	6257900.4	3 ELDER ROAD, DUNDAS 2117	RES	Residential		08225	U	191	NCA16	56	51	47	39	0.4	0.26	7.5					
3510	08225-035U-RES	318397.1	6258035.5	5 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08225	U	35	NCA16	56	51	47	39	0.4	0.26	7.5					
3511	08230-154U-RES	318465.5	6257938.3	115 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08230	U	154	NCA16	56	51	47	39	0.4	0.26	7.5					
3512	08230-058D-RES	318348.6	6258119.4	1A DENHAM PLACE, DUNDAS 2117	RES	Residential	2	08230	D	58	NCA16	56	51	47	39	0.4	0.26	7.5					
3513	08245-153U-RES	318483.8	6257952.4	117 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08245	U	153	NCA16	56	51	47	39	0.4	0.26	7.5					
3514	08245-249U-COM	318543.6	6257876.2	9-15 ELDER ROAD, DUNDAS 2117	COM	Commercial		08245	U	249	NCA16	70	70	70	70	0.8	0.8	7.5					
3515	08245-076D-RES	318345.2	6258138.7	1 DENHAM PLACE, DUNDAS 2117	RES	Residential	3	08245	D	76	NCA16	56	51	47	39	0.4	0.26	7.5					
3516	00825-031U-RES	314193.1	6257898.4	26 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00825	U	31	NCA04	59	54	53	52	0.4	0.26	7.5					
3517	08255-150U-RES	318497.0	6257966.1	119 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08255	U	150	NCA16	56	51	47	39	0.4	0.26	7.5					
3518	08255-175U-RES	318513.2	6257946.7	22 ALBION STREET, DUNDAS 2117	RES	Residential		08255	U	175	NCA16	56	51	47	39	0.4	0.26	7.5					
3519	08255-021D-RES	318384.9	6258099.7	9 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	1	08255	D	21	NCA16	56	51	47	39	0.4	0.26	7.5					
3520	08260-189U-RES	318526.7	6257940.3	20A ALBION STREET, DUNDAS 2117	RES	Residential		08260	U	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3521	08260-204U-RES	318539.2	6257930.1	18 ALBION STREET, DUNDAS 2117	RES	Residential		08260	U	204	NCA16	56	51	47	39	0.4	0.26	7.5					
3522	08260-083U-RES	318461.6	6258023.0	116-118 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08260	U	83	NCA16	56	51	47	39	0.4	0.26	7.5					
3523	08265-219U-RES	318551.9	6257922.5	16 ALBION STREET, DUNDAS 2117	RES	Residential		08265	U	219	NCA16	56	51	47	39	0.4	0.26	7.5					
3524	08265-068D-RES	318363.3	6258142.7	1A ROCK FARM AVENUE, TELOPEA 2117	RES	Residential	2	08265	D	68	NCA16	56	51	47	39	0.4	0.26	7.5					
3525	08270-060U-RES	318452.8	6258046.2	2 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	2	08270	U	60	NCA16	56	51	47	39	0.4	0.26	7.5					
3526	08275-037D-RES	318389.1	6258125.2	11 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	1	08275	D	37	NCA16	56	51	47	39	0.4	0.26	7.5					
3527	08280-154U-RES	318532.0	6257993.1	121 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08280	U	154	NCA16	56	51	47	39	0.4	0.26	7.5					
3528	08280-299U-RES	318630.7	6257886.0	14 DORA CRESCENT, DUNDAS 2117	RES	Residential		08280	U	299	NCA16	56	51	47	39	0.4	0.26	7.5					
3529	08280-048U-RES	318454.6	6258064.5	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08280	U	48	NCA16	56	51	47	39	0.4	0.26	7.5					
3530	08285-127D-RES	318328.6	6258192.0	2 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08285	D	127	NCA16	56	51	47	39	0.4	0.26	7.5					
3531	08285-258U-RES	318608.9	6257922.7	14 ALBION STREET, DUNDAS 2117	RES	Residential		08285	U	258	NCA16	56	51	47	39	0.4	0.26	7.5					
3532	08285-295U-RES	318634.3	6257895.7	14A DORA CRESCENT, DUNDAS 2117	RES	Residential		08285	U	295	NCA16	56	51	47	39	0.4	0.26	7.5					
3533	08285-031U-RES	318448.2	6258082.2	6 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	1	08285	U	31	NCA16	56	51	47	39	0.4	0.26	7.5					
3534	08285-085U-RES	318483.8	6258042.3	120 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08285	U	85	NCA16	56	51	47	39	0.4	0.26	7.5					
3535	08290-153U-RES	318541.9	6258004.9	123 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08290	U	153	NCA16	56	51	47	39	0.4	0.26	7.5					
3536	08290-206U-RES	318581.8	6257969.6	7 ALBION STREET, DUNDAS 2117	RES	Residential		08290	U	206	NCA16	56	51	47	39	0.4	0.26	7.5					
3537	08290-254U-RES	318618.4	6257937.9	12 ALBION STREET, DUNDAS 2117	RES	Residential		08290	U	254	NCA16	56	51	47	39	0.4	0.26	7.5					
3538	08290-294U-RES	318647.4	6257911.4	16-18 DORA CRESCENT, DUNDAS 2117	RES	Residential		08290	U	294	NCA16	56	51	47	39	0.4	0.26	7.5					
3539	08290-054D-RES	318383.8	6258143.8	13 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	1	08290	D	54	NCA16	56	51	47	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3540	08290-063U-RES	318475.5	6258064.8	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08290	U	63	NCA16	56	51	47	39	0.4	0.26	7.5					
3541	08295-178U-RES	318563.5	6257990.9	11 ALBION STREET, DUNDAS 2117	RES	Residential		08295	U	178	NCA16	56	51	47	39	0.4	0.26	7.5					
3542	08295-192U-RES	318575.0	6257983.6	9 ALBION STREET, DUNDAS 2117	RES	Residential		08295	U	192	NCA16	56	51	47	39	0.4	0.26	7.5					
3543	08295-090U-RES	318497.0	6258048.4	122 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08295	U	90	NCA16	56	51	47	39	0.4	0.26	7.5					
3544	08300-152U-RES	318551.1	6258016.9	125 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08300	U	152	NCA16	56	51	47	39	0.4	0.26	7.5					
3545	08300-016U-RES	318446.2	6258102.4	8 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential	2	08300	U	16	NCA16	56	51	47	39	0.4	0.26	7.5					
3546	08300-253U-RES	318627.5	6257951.0	10 ALBION STREET, DUNDAS 2117	RES	Residential		08300	U	253	NCA16	56	51	47	39	0.4	0.26	7.5					
3547	08305-203U-RES	318594.4	6257988.3	7B ALBION STREET, DUNDAS 2117	RES	Residential		08305	U	203	NCA16	56	51	47	39	0.4	0.26	7.5					
3548	08305-251U-RES	318635.7	6257963.3	8 ALBION STREET, DUNDAS 2117	RES	Residential		08305	U	251	NCA16	56	51	47	39	0.4	0.26	7.5					
3549	08310-148U-RES	318557.4	6258031.5	127 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08310	U	148	NCA16	56	51	47	39	0.4	0.26	7.5					
3550	08310-194U-RES	318595.7	6258005.1	5 ALBION STREET, DUNDAS 2117	RES	Residential		08310	U	194	NCA16	56	51	47	39	0.4	0.26	7.5					
3551	08310-289U-RES	318668.3	6257943.9	20-22 DORA CRESCENT, DUNDAS 2117	RES	Residential		08310	U	289	NCA16	56	51	47	39	0.4	0.26	7.5					
3552	08310-057U-RES	318486.6	6258088.8	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08310	U	57	NCA16	56	51	47	39	0.4	0.26	7.5					
3553	08315-150D-RES	318319.9	6258217.1	4 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08315	D	150	NCA16	56	51	47	39	0.4	0.26	7.5					
3554	08315-249U-RES	318643.4	6257976.5	6 ALBION STREET, DUNDAS 2117	RES	Residential		08315	U	249	NCA16	56	51	47	39	0.4	0.26	7.5					
3555	08320-145U-RES	318564.5	6258044.5	129 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08320	U	145	NCA16	56	51	47	39	0.4	0.26	7.5					
3556	08320-189U-RES	318601.3	6258020.7	3 ALBION STREET, DUNDAS 2117	RES	Residential		08320	U	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3557	08325-249U-RES	318652.0	6257989.2	4 ALBION STREET, DUNDAS 2117	RES	Residential		08325	U	249	NCA16	56	51	47	39	0.4	0.26	7.5					
3558	08325-291U-RES	318686.5	6257965.8	24 DORA CRESCENT, DUNDAS 2117	RES	Residential		08325	U	291	NCA16	56	51	47	39	0.4	0.26	7.5					
3559	08330-142U-RES	318570.4	6258058.3	131 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08330	U	142	NCA16	56	51	47	39	0.4	0.26	7.5					
3560	08330-025U-RES	318471.8	6258122.8	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08330	U	25	NCA16	56	51	47	39	0.4	0.26	7.5					
3561	08330-089D-RES	318375.6	6258189.9	15 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08330	D	89	NCA16	56	51	47	39	0.4	0.26	7.5					
3562	08335-189U-RES	318609.8	6258034.1	1 ALBION STREET, DUNDAS 2117	RES	Residential		08335	U	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3563	08335-018D-RES	318436.2	6258152.7	10A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08335	D	18	NCA16	56	51	47	39	0.4	0.26	7.5					
3564	08335-249U-RES	318660.8	6258002.0	2 ALBION STREET, DUNDAS 2117	RES	Residential		08335	U	249	NCA16	56	51	47	39	0.4	0.26	7.5					
3565	08335-082U-RES	318524.8	6258097.9	124-130 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08335	U	82	NCA16	56	51	47	39	0.4	0.26	7.5					
3566	08340-163D-RES	318319.2	6258238.6	6 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08340	D	163	NCA16	56	51	47	39	0.4	0.26	7.5					
3567	08345-101D-RES	318374.2	6258208.7	17 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08345	D	101	NCA16	56	51	47	39	0.4	0.26	7.5					
3568	08345-143U-RES	318580.1	6258070.7	133 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08345	U	143	NCA16	56	51	47	39	0.4	0.26	7.5					
3569	08345-025D-RES	318436.6	6258165.9	10 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08345	D	25	NCA16	56	51	47	39	0.4	0.26	7.5					
3570	08345-297U-RES	318709.1	6257987.6	162 PARK ROAD, DUNDAS 2117	RES	Residential		08345	U	297	NCA16	56	51	47	39	0.4	0.26	7.5					
3571	08350-239U-RES	318661.8	6258021.2	2B ALBION STREET, DUNDAS 2117	RES	Residential		08350	U	239	NCA16	56	51	47	39	0.4	0.26	7.5					
3572	08350-290U-RES	318706.8	6257995.9	162A PARK ROAD, DUNDAS 2117	RES	Residential		08350	U	290	NCA16	56	51	47	39	0.4	0.26	7.5					
3573	08355-177D-RES	318316.2	6258259.1	8 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08355	D	177	NCA16	56	51	47	39	0.4	0.26	7.5					
3574	08360-118D-RES	318367.0	6258228.7	19 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08360	D	118	NCA16	56	51	47	39	0.4	0.26	7.5					
3575	08360-148U-RES	318591.9	6258080.8	135 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08360	U	148	NCA16	56	51	47	39	0.4	0.26	7.5					
3576	08360-174U-RES	318614.2	6258066.5	176 PARK ROAD, DUNDAS 2117	RES	Residential		08360	U	174	NCA16	56	51	47	39	0.4	0.26	7.5					
3577	08360-187U-RES	318624.8	6258059.3	174 PARK ROAD, DUNDAS 2117	RES	Residential		08360	U	187	NCA16	56	51	47	39	0.4	0.26	7.5					
3578	08360-200U-RES	318635.4	6258051.3	172 PARK ROAD, DUNDAS 2117	RES	Residential		08360	U	200	NCA16	56	51	47	39	0.4	0.26	7.5					
3579	08360-259U-RES	318685.7	6258021.2	166A PARK ROAD, DUNDAS 2117	RES	Residential		08360	U	259	NCA16	56	51	47	39	0.4	0.26	7.5					
3580	08360-277U-RES	318700.3	6258009.4	164 PARK ROAD, DUNDAS 2117	RES	Residential		08360	U	277	NCA16	56	51	47	39	0.4	0.26	7.5					
3581	08360-036D-RES	318435.1	6258184.3	12 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08360	D	36	NCA16	56	51	47	39	0.4	0.26	7.5					
3582	08365-038U-RES	318503.2	6258145.4	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08365	U	38	NCA16	56	51	47	39	0.4	0.26	7.5					
3583	08365-055U-RES	318517.5	6258137.2	132 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08365	U	55	NCA16	56	51	47	39	0.4	0.26	7.5					
3584	08365-076U-RES	318536.0	6258127.1	132 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	2	08365	U	76	NCA16	56	51	47	39	0.4	0.26	7.5					
3585	08370-189D-RES	318314.1	6258278.5	10 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08370	D	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3586	08370-018U-RES	318489.5	6258161.1	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08370	U	18	NCA16	56	51	47	39	0.4	0.26	7.5					
3587	08370-239U-RES	318674.1	6258038.8	166 PARK ROAD, DUNDAS 2117	RES	Residential		08370	U	239	NCA16	56	51	47	39	0.4	0.26	7.5					
3588	08375-131D-RES	318364.0	6258248.7	21 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08375	D	131	NCA16	56	51	47	39	0.4	0.26	7.5					
3589	08375-145U-RES	318597.4	6258093.4	137 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08375	U	145	NCA16	56	51	47	39	0.4	0.26	7.5					
3590	08375-054D-RES	318428.5	6258206.1	14A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08375	D	54	NCA16	56	51	47	39	0.4	0.26	7.5					
3591	08380-087U-RES	318552.8	6258132.5	134 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	08380	U	87	NCA16	56	51	47	39	0.4	0.26	7.5					
3592	08385-203D-RES	318311.0	6258298.3	12 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08385	D	203	NCA16	56	51	47	39	0.4	0.26	7.5					
3593	08390-145D-RES	318361.3	6258268.9	23 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08390	D	145	NCA16	56	51	47	39	0.4	0.26	7.5					
3594	08390-065D-RES	318427.5	6258225.3	16 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	1	08390	D	65	NCA16	56	51	47	39	0.4	0.26	7.5					
3595	08395-027D-RES	318464.3	6258210.7	14C LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08395	D	27	NCA16	56	51	47	39	0.4	0.26	7.5					
3596	08395-081U-RES	318556.0	6258147.4	1 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08395	U	81	NCA16	56	51	47	39	0.4	0.26	7.5					
3597	08400-019U-RES	318505.9	6258184.0	4 LEAMINGTON ROAD, DUNDAS 2117	RES	Residential		08400	U	19	NCA16	56	51	47	39	0.4	0.26	7.5					
3598	08400-216D-RES	318308.4	6258318.5	14 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08400	D	216	NCA16	56	51	47	39	0.4	0.26	7.5					
3599	08400-045U-RES	318528.1	6258170.6	3-5 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08400	U	45	NCA16	56	51	47	39	0.4	0.26	7.5					
3600	08400-052D-RES	318445.2	6258227.9	16 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	1	08400	D	52	NCA16	56	51	47	39	0.4	0.26	7.5					
3601	00840-032U-RES	314203.9	6257888.8	24 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	4	00840	U	32	NCA04	59	54	53	52	0.4	0.26	7.5					
3602	08405-158D-RES	318358.7	6258288.6	25 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08405	D	158	NCA16	56	51	47	39	0.4	0.26	7.5					
3603	08410-072D-RES	318432.4	6258245.1	18 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	1	08410	D	72	NCA16	56	51	47	39	0.4	0.26	7.5					
3604	08410-073U-RES	318556.7	6258162.4	3-5 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08410	U	73	NCA16	56	51	47	39	0.4	0.26	7.5					
3605	08415-205U-RES	318668.9	6258093.5	179 PARK ROAD, DUNDAS 2117	RES	Residential		08415	U	205	NCA16	56	51	47	39	0.4	0.26	7.5					
3606	08415-229D-RES	318305.1	6258336.7	16 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08415	D	229	NCA16	56	51	47	39	0.4	0.26	7.5					
3607	08415-236U-RES	318695.3	6258077.2	177 PARK ROAD, DUNDAS 2117	RES	Residential		08415	U	236	NCA16	56	51	47	39	0.4	0.26	7.5					
3608	08420-170D-RES	318356.9	6258308.5	27 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08420	D	170	NCA16	56	51	47	39	0.4	0.26	7.5					
3609	08420-293U-RES	318746.4	6258050.0	173 PARK ROAD, DUNDAS 2117	RES	Residential		08420	U	293	NCA16	56	51	47	39	0.4	0.26	7.5					
3610	08425-167U-PoW	318645.5	6258127.4	181 PARK ROAD, DUNDAS 2117	PoW	Place of Worship		08425	U	167	NCA16	55	55	55	55	0.8	0.8	7.5					
3611	08425-048D-RES	318461.7	6258244.4	2 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08425	D	48	NCA16	56	51	47	39	0.4	0.26	7.5					
3612	08425-051D-RES	318460.9	6258249.1	2 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08425	D	51	NCA16	56	51	47	39	0.4	0.26	7.5					
3613	08425-064U-RES	318557.2	6258180.4	3-5 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08425	U	64	NCA16	56	51	47	39	0.4	0.26	7.5					
3614	08430-107D-RES	318415.1	6258282.6	20 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08430	D	107	NCA16	56	51	47	39	0.4	0.26	7.5					
3615	08430-234U-RES	318703.2	6258092.8	1 YAWUNG STREET, DUNDAS 2117	RES	Residential		08430	U	234	NCA16	56	51	47	39	0.4	0.26	7.5					
3616	08430-277U-RES	318738.7	6258067.4	16 YAWUNG STREET, DUNDAS 2117	RES	Residential		08430	U	277	NCA16	56	51	47	39	0.4	0.26	7.5					
3617	08440-059U-RES	318564.7	6258200.1	7 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08440	U	59	NCA16	56	51	47	39	0.4	0.26	7.5					
3618	08445-118D-RES	318412.4	6258297.7	20A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08445	D	118	NCA16	56	51	47	39	0.4	0.26	7.5					
3619	08445-177D-RES	318363.1	6258329.9	29 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08445	D	177	NCA16	56	51	47	39	0.4	0.26	7.5					
3620	08445-232U-RES	318710.8	6258107.3	2 YAWUNG STREET, DUNDAS 2117	RES	Residential		08445	U	232	NCA16	56	51	47	39	0.4	0.26	7.5					
3621	08445-282U-RES	318753.4	6258081.2	15 YAWUNG STREET, DUNDAS 2117	RES	Residential		08445	U	282	NCA16	56	51	47	39	0.4	0.26	7.5					
3622	08445-035D-RES	318483.1	6258253.9	4 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08445	D	35	NCA16	56	51	47	39	0.4	0.26	7.5					
3623	08450-165U-RES	318659.1	6258151.3	145 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08450	U	165	NCA16	56	51	47	39	0.4	0.26	7.5					
3624	08450-230U-RES	318716.6	6258120.0	3A YAWUNG STREET, DUNDAS 2117	RES	Residential		08450	U	230	NCA16	56	51	47	39	0.4	0.26	7.5					
3625	08450-096D-RES	318434.0	6258291.5	1B NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08450	D	96	NCA16	56	51	47	39	0.4	0.26	7.5					
3626	08455-051U-RES	318565.0	6258216.2	9 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08455	U	51	NCA16	56	51	47	39	0.4	0.26	7.5					
3627	08460-159U-RES	318660.8	6258166.5	147 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08460	U	159	NCA16	56	51	47	39	0.4	0.26	7.5					
3628	08460-240U-RES	318732.4	6258128.7	4 YAWUNG STREET, DUNDAS 2117	RES	Residential		08460	U	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3629	08460-282U-RES	318767.9	6258106.5	14 YAWUNG STREET, DUNDAS 2117	RES	Residential		08460	U	282	NCA16	56	51	47	39	0.4	0.26	7.5					
3630	08460-029U-RES	318548.7	6258231.9	11 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08460	U	29	NCA16	56	51	47	39	0.4	0.26	7.5					
3631	08465-120D-RES	318418.5	6258312.7	22 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08465	D	120	NCA16	56	51	47	39	0.4	0.26	7.5					
3632	08465-029D-RES	318498.2	6258268.6	6 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08465	D	29	NCA16	56	51	47	39	0.4	0.26	7.5					
3633	08470-162U-RES	318672.7	6258181.5	149 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08470	U	162	NCA16	56	51	47	39	0.4	0.26	7.5					
3634	08470-228U-RES	318730.0	6258148.2	5 YAWUNG STREET, DUNDAS 2117	RES	Residential		08470	U	228	NCA16	56	51	47	39	0.4	0.26	7.5					
3635	08475-103U-RES	318623.2	6258213.2	138 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08475	U	103	NCA16	56	51	47	39	0.4	0.26	7.5					
3636	08475-181U-RES	318694.1	6258181.3	151A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08475	U	181	NCA16	56	51	47	39	0.4	0.26	7.5					
3637	08475-190D-RES	318358.5	6258347.9	31 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08475	D	190	NCA16	56	51	47	39	0.4	0.26	7.5					
3638	08475-196U-RES	318706.4	6258172.7	151A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08475	U	196	NCA16	56	51	47	39	0.4	0.26	7.5					
3639	08475-237U-RES	318744.2	6258157.3	6 YAWUNG STREET, DUNDAS 2117	RES	Residential		08475	U	237	NCA16	56	51	47	39	0.4	0.26	7.5					
3640	08480-165U-RES	318682.4	6258194.9	151 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08480	U	165	NCA16	56	51	47	39	0.4	0.26	7.5					
3641	08480-283U-RES	318790.2	6258145.6	47 KARIWARA STREET, DUNDAS 2117	RES	Residential		08480	U	283	NCA16	56	51	47	39	0.4	0.26	7.5					
3642	08480-033U-RES	318563.0	6258249.7	11B ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08480	U	33	NCA16	56	51	47	39	0.4	0.26	7.5					
3643	08480-077D-RES	318460.0	6258298.6	1 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08480	D	77	NCA16	56	51	47	39	0.4	0.26	7.5					
3644	08485-127D-RES	318416.6	6258324.1	22A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08485	D	127	NCA16	56	51	47	39	0.4	0.26	7.5					
3645	08485-237U-RES	318751.2	6258170.6	7A YAWUNG STREET, DUNDAS 2117	RES	Residential		08485	U	237	NCA16	56	51	47	39	0.4	0.26	7.5					
3646	08490-084U-RES	318613.2	6258238.6	2 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08490	U	84	NCA16	56	51	47	39	0.4	0.26	7.5					
3647	08495-111U-RES	318640.9	6258234.0	142 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08495	U	111	NCA16	56	51	47	39	0.4	0.26	7.5					
3648	08495-175U-RES	318700.2	6258209.6	153 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08495	U	175	NCA16	56	51	47	39	0.4	0.26	7.5					
3649	08495-023D-RES	318515.3	6258289.3	8 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08495	D	23	NCA16	56	51	47	39	0.4	0.26	7.5					
3650	08495-240U-RES	318761.1	6258185.6	8 YAWUNG STREET, DUNDAS 2117	RES	Residential		08495	U	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3651	08495-287U-RES	318806.0	6258172.3	13 YAWUNG STREET, DUNDAS 2117	RES	Residential		08495	U	287	NCA16	56	51	47	39	0.4	0.26	7.5					
3652	08495-029U-RES	318566.0	6258267.1	13 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08495	U	29	NCA16	56	51	47	39	0.4	0.26	7.5					
3653	08500-117U-RES	318652.4	6258245.1	142 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08500	U	117	NCA16	56	51	47	39	0.4	0.26	7.5					
3654	08500-247U-RES	318773.1	6258198.4	9 YAWUNG STREET, DUNDAS 2117	RES	Residential		08500	U	247	NCA16	56	51	47	39	0.4	0.26	7.5					
3655	08505-131D-RES	318416.5	6258334.8	24 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08505	D	131	NCA16	56	51	47	39	0.4	0.26	7.5					
3656	08505-210U-RES	318739.8	6258213.6	157-161 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08505	U	210	NCA16	56	51	47	39	0.4	0.26	7.5					
3657	08505-099U-RES	318636.7	6258256.7	142 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08505	U	99	NCA16	56	51	47	39	0.4	0.26	7.5					
3658	08510-187U-RES	318721.8	6258232.4	157-161 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08510	U	187	NCA16	56	51	47	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3659	08510-073D-RES	318471.7	6258315.9	3 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08510	D	73	NCA16	56	51	47	39	0.4	0.26	7.5					
3660	08510-077U-RES	318617.1	6258267.7	4 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08510	U	77	NCA16	56	51	47	39	0.4	0.26	7.5					
3661	08515-120U-RES	318660.7	6258263.3	144 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08515	U	120	NCA16	56	51	47	39	0.4	0.26	7.5					
3662	08515-259U-RES	318793.0	6258217.3	10 YAWUNG STREET, DUNDAS 2117	RES	Residential		08515	U	259	NCA16	56	51	47	39	0.4	0.26	7.5					
3663	08520-125U-RES	318667.8	6258268.9	144A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08520	U	125	NCA16	56	51	47	39	0.4	0.26	7.5					
3664	08520-212U-RES	318751.9	6258246.1	163A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08520	U	212	NCA16	56	51	47	39	0.4	0.26	7.5					
3665	08520-023U-RES	318569.5	6258294.7	15 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08520	U	23	NCA16	56	51	47	39	0.4	0.26	7.5					
3666	08520-273U-RES	318809.4	6258223.6	11 YAWUNG STREET, DUNDAS 2117	RES	Residential		08520	U	273	NCA16	56	51	47	39	0.4	0.26	7.5					
3667	08525-134U-RES	318678.4	6258272.3	146 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08525	U	134	NCA16	56	51	47	39	0.4	0.26	7.5					
3668	08525-027D-RES	318519.5	6258314.5	10 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08525	D	27	NCA16	56	51	47	39	0.4	0.26	7.5					
3669	08530-137D-RES	318413.2	6258345.7	24A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08530	D	137	NCA16	56	51	47	39	0.4	0.26	7.5					
3670	08530-220U-RES	318763.3	6258256.3	165 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08530	U	220	NCA16	56	51	47	39	0.4	0.26	7.5					
3671	08530-071U-RES	318618.6	6258294.0	6 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08530	U	71	NCA16	56	51	47	39	0.4	0.26	7.5					
3672	08535-150U-RES	318697.3	6258282.6	148 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08535	U	150	NCA16	56	51	47	39	0.4	0.26	7.5					
3673	08535-240U-RES	318784.6	6258260.8	167 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08535	U	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3674	08535-271U-RES	318815.8	6258256.5	171B KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08535	U	271	NCA16	56	51	47	39	0.4	0.26	7.5					
3675	08535-081D-RES	318468.9	6258334.8	5 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08535	D	81	NCA16	56	51	47	39	0.4	0.26	7.5					
3676	08540-065U-RES	318616.4	6258311.3	8 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08540	U	65	NCA16	56	51	47	39	0.4	0.26	7.5					
3677	08545-159U-RES	318709.4	6258295.9	150 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08545	U	159	NCA16	56	51	47	39	0.4	0.26	7.5					
3678	08545-248U-RES	318797.8	6258282.6	169 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08545	U	248	NCA16	56	51	47	39	0.4	0.26	7.5					
3679	08550-282U-RES	318833.2	6258288.8	175-177 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08550	U	282	NCA16	56	51	47	39	0.4	0.26	7.5					
3680	00855-028U-RES	314221.0	6257880.1	18 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00855	U	28	NCA04	59	54	53	52	0.4	0.26	7.5					
3681	08555-188U-RES	318742.0	6258313.7	154 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08555	U	188	NCA16	56	51	47	39	0.4	0.26	7.5					
3682	00855-051D-MED	314271.4	6257946.0	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	2	00855	D	51	NCA05	65	65	65	65	0.8	0.8	7.5					
3683	08555-025D-RES	318526.5	6258341.6	12 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08555	D	25	NCA16	56	51	47	39	0.4	0.26	7.5					
3684	00855-057U-RES	314201.6	6257858.3	18 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00855	U	57	NCA04	59	54	53	52	0.4	0.26	7.5					
3685	08560-141U-RES	318695.6	6258325.2	1 BURKE STREET, TELOPEA 2117	RES	Residential		08560	U	141	NCA16	56	51	47	39	0.4	0.26	7.5					
3686	08560-085D-RES	318468.1	6258353.2	7 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08560	D	85	NCA16	56	51	47	39	0.4	0.26	7.5					
3687	08565-182U-RES	318737.7	6258329.3	154 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08565	U	182	NCA16	56	51	47	39	0.4	0.26	7.5					
3688	08565-077U-RES	318633.4	6258339.8	10-12 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08565	U	77	NCA16	56	51	47	39	0.4	0.26	7.5					
3689	08570-130U-RES	318686.7	6258340.0	3 BURKE STREET, TELOPEA 2117	RES	Residential		08570	U	130	NCA16	56	51	47	39	0.4	0.26	7.5					
3690	08570-203U-RES	318759.0	6258334.9	156 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08570	U	203	NCA16	56	51	47	39	0.4	0.26	7.5					
3691	08575-175U-RES	318732.2	6258346.7	2 BURKE STREET, TELOPEA 2117	RES	Residential		08575	U	175	NCA16	56	51	47	39	0.4	0.26	7.5					
3692	08575-228U-RES	318784.2	6258340.7	158-160 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08575	U	228	NCA16	56	51	47	39	0.4	0.26	7.5					
3693	08575-032D-RES	318521.9	6258361.6	14 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08575	D	32	NCA16	56	51	47	39	0.4	0.26	7.5					
3694	08580-126U-RES	318683.6	6258355.8	5 BURKE STREET, TELOPEA 2117	RES	Residential		08580	U	126	NCA16	56	51	47	39	0.4	0.26	7.5					
3695	08580-251U-RES	318807.7	6258351.3	162 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08580	U	251	NCA16	56	51	47	39	0.4	0.26	7.5					
3696	08585-170U-RES	318727.7	6258364.7	2 BURKE STREET, TELOPEA 2117	RES	Residential		08585	U	170	NCA16	56	51	47	39	0.4	0.26	7.5					
3697	08585-189U-RES	318746.2	6258363.1	2 BURKE STREET, TELOPEA 2117	RES	Residential		08585	U	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3698	08585-218U-RES	318775.3	6258364.1	158-160 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08585	U	218	NCA16	56	51	47	39	0.4	0.26	7.5					
3699	08585-272U-RES	318829.9	6258360.1	164 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08585	U	272	NCA16	56	51	47	39	0.4	0.26	7.5					
3700	08585-061U-RES	318618.8	6258369.2	14 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08585	U	61	NCA16	56	51	47	39	0.4	0.26	7.5					
3701	08590-123U-RES	318680.3	6258371.5	7 BURKE STREET, TELOPEA 2117	RES	Residential		08590	U	123	NCA16	56	51	47	39	0.4	0.26	7.5					
3702	08590-242U-RES	318799.2	6258375.6	162 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08590	U	242	NCA16	56	51	47	39	0.4	0.26	7.5					
3703	08595-263U-RES	318820.3	6258383.2	164 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08595	U	263	NCA16	56	51	47	39	0.4	0.26	7.5					
3704	08595-283U-RES	318840.3	6258380.9	166 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08595	U	283	NCA16	56	51	47	39	0.4	0.26	7.5					
3705	08600-119U-RES	318676.5	6258386.3	9 BURKE STREET, TELOPEA 2117	RES	Residential		08600	U	119	NCA16	56	51	47	39	0.4	0.26	7.5					
3706	08600-167U-RES	318724.7	6258388.0	4 BURKE STREET, TELOPEA 2117	RES	Residential		08600	U	167	NCA16	56	51	47	39	0.4	0.26	7.5					
3707	08600-190U-RES	318746.6	6258395.5	2 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08600	U	190	NCA16	56	51	47	39	0.4	0.26	7.5					
3708	08600-292U-RES	318848.9	6258398.0	170 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08600	U	292	NCA16	56	51	47	39	0.4	0.26	7.5					
3709	08600-036D-RES	318517.4	6258383.5	16 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08600	D	36	NCA16	56	51	47	39	0.4	0.26	7.5					
3710	08600-058U-RES	318614.8	6258385.8	16 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08600	U	58	NCA16	56	51	47	39	0.4	0.26	7.5					
3711	08605-207U-RES	318763.3	6258402.1	4 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08605	U	207	NCA16	56	51	47	39	0.4	0.26	7.5					
3712	00860-082D-MED	314292.8	6257967.8	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical		00860	D	82	NCA05	65	65	65	65	0.8	0.8	7.5					
3713	08610-116U-RES	318672.1	6258399.8	11 BURKE STREET, TELOPEA 2117	RES	Residential		08610	U	116	NCA16	56	51	47	39	0.4	0.26	7.5					
3714	08610-223U-RES	318778.9	6258411.3	6 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08610	U	223	NCA16	56	51	47	39	0.4	0.26	7.5					
3715	08610-241U-RES	318796.4	6258414.7	8 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08610	U	241	NCA16	56	51	47	39	0.4	0.26	7.5					
3716	08615-257U-RES	318811.7	6258421.4	10 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08615	U	257	NCA16	56	51	47	39	0.4	0.26	7.5					
3717	08615-273U-RES	318827.3	6258428.3	12 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08615	U	273	NCA16	56	51	47	39	0.4	0.26	7.5					
3718	08620-114U-RES	318668.9	6258415.2	13 BURKE STREET, TELOPEA 2117	RES	Residential		08620	U	114	NCA16	56	51	47	39	0.4	0.26	7.5					
3719	08620-289U-RES	318842.9	6258435.5	14 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08620	U	289	NCA16	56	51	47	39	0.4	0.26	7.5					
3720	08620-054U-RES	318609.6	6258409.4	18 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08620	U	54	NCA16	56	51	47	39	0.4	0.26	7.5					
3721	08620-075U-RES	318629.6	6258412.1	18A ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08620	U	75	NCA16	56	51	47	39	0.4	0.26	7.5					
3722	08630-110U-RES	318662.5	6258430.1	15 BURKE STREET, TELOPEA 2117	RES	Residential		08630	U	110	NCA16	56	51	47	39	0.4	0.26	7.5					
3723	08630-153U-RES	318705.3	6258436.6	6-8 BURKE STREET, TELOPEA 2117	RES	Residential		08630	U	153	NCA16	56	51	47	39	0.4	0.26	7.5					
3724	08630-036D-RES	318515.5	6258405.7	18 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08630	D	36	NCA16	56	51	47	39	0.4	0.26	7.5					
3725	08630-049U-RES	318602.6	6258421.6	20 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08630	U	49	NCA16	56	51	47	39	0.4	0.26	7.5					
3726	08640-111U-RES	318661.1	6258446.0	17 BURKE STREET, TELOPEA 2117	RES	Residential		08640	U	111	NCA16	56	51	47	39	0.4	0.26	7.5					
3727	08640-228U-RES	318775.7	6258466.2	7 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08640	U	228	NCA16	56	51	47	39	0.4	0.26	7.5					
3728	08640-235U-RES	318782.9	6258470.2	7A CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08640	U	235	NCA16	56	51	47	39	0.4	0.26	7.5					
3729	08640-247U-RES	318793.9	6258474.4	9 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08640	U	247	NCA16	56	51	47	39	0.4	0.26	7.5					
3730	08640-259U-RES	318804.9	6258479.5	11 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08640	U	259	NCA16	56	51	47	39	0.4	0.26	7.5					
3731	08640-266U-RES	318811.8	6258482.5	11A CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08640	U	266	NCA16	56	51	47	39	0.4	0.26	7.5					
3732	08645-278U-RES	318822.7	6258486.9	13 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08645	U	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3733	08645-293U-RES	318836.8	6258493.9	15 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08645	U	293	NCA16	56	51	47	39	0.4	0.26	7.5					
3734	08645-050U-RES	318599.5	6258439.7	22 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08645	U	50	NCA16	56	51	47	39	0.4	0.26	7.5					
3735	08650-110U-RES	318655.9	6258461.5	19 BURKE STREET, TELOPEA 2117	RES	Residential		08650	U	110	NCA16	56	51	47	39	0.4	0.26	7.5					
3736	08650-154U-RES	318700.0	6258469.4	10 BURKE STREET, TELOPEA 2117	RES	Residential		08650	U	154	NCA16	56	51	47	39	0.4	0.26	7.5					
3737	08650-035D-RES	318511.9	6258425.2	20 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08650	D	35	NCA16	56	51	47	39	0.4	0.26	7.5					
3738	00865-020D-MED	314261.1	6257913.6	178 HAWKESBURY ROAD, WESTMEAD 2145	MED	Medical	4	00865	D	20	NCA05	65	65	65	65	0.8	0.8	7.5					
3739	08660-156U-RES	318697.4	6258487.5	12 BURKE STREET, TELOPEA 2117	RES	Residential		08660	U	156	NCA16	56	51	47	39	0.4	0.26	7.5					
3740	08660-215U-RES	318753.9	6258503.5	6 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08660	U	215	NCA16	56	51	47	39	0.4	0.26	7.5					
3741	08660-263U-RES	318801.2	6258513.0	12 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08660	U	263	NCA16	56	51	47	39	0.4	0.26	7.5					
3742	08665-111U-RES	318653.2	6258477.2	21 BURKE STREET, TELOPEA 2117	RES	Residential		08665	U	111	NCA16	56	51	47	39	0.4	0.26	7.5					
3743	08665-231U-RES	318768.6	6258510.8	8 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08665	U	231	NCA16	56	51	47	39	0.4	0.26	7.5					
3744	08665-247U-RES	318783.0	6258516.7	10 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08665	U	247	NCA16	56	51	47	39	0.4	0.26	7.5					
3745	08665-047U-RES	318591.9	6258459.5	24 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08665	U	47	NCA16	56	51	47	39	0.4	0.26	7.5					
3746	08670-278U-RES	318812.0	6258529.3	14 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08670	U	278	NCA16	56	51	47	39	0.4	0.26	7.5					
3747	08675-109U-RES	318646.6	6258490.5	23 BURKE STREET, TELOPEA 2117	RES	Residential		08675	U	109	NCA16	56	51	47	39	0.4	0.26	7.5					
3748	08675-262U-RES	318794.7	6258531.7	12A CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08675	U	262	NCA16	56	51	47	39	0.4	0.26	7.5					
3749	08675-294U-RES	318825.5	6258539.6	16 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08675	U	294	NCA16	56	51	47	39	0.4	0.26	7.5					
3750	08675-032D-RES	318509.0	6258446.3	22 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08675	D	32	NCA16	56	51	47	39	0.4	0.26	7.5					
3751	08675-083D-RES	318459.9	6258432.5	9 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08675	D	83	NCA16	56	51	47	39	0.4	0.26	7.5					
3752	08680-052U-RES	318591.4	6258478.8	26 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08680	U	52	NCA16	56	51	47	39	0.4	0.26	7.5					
3753	08685-202D-RES	318343.8	6258405.3	33 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08685	D	202	NCA16	56	51	47	39	0.4	0.26	7.5					
3754	08690-105U-RES	318638.4	6258503.7	25 BURKE STREET, TELOPEA 2117	RES	Residential		08690	U	105	NCA16	56	51	47	39	0.4	0.26	7.5					
3755	08695-257D-RES	318289.2	6258398.0	18 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08695	D	257	NCA16	56	51	47	39	0.4	0.26	7.5					
3756	08695-033D-RES	318502.4	6258467.5	24 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08695	D	33	NCA16	56	51	47	39	0.4	0.26	7.5					
3757	08695-090D-RES	318448.2	6258449.4	11 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08695	D	90	NCA16	56	51	47	39	0.4	0.26	7.5					
3758	08700-137D-RES	318401.6	6258438.6	26 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08700	D	137	NCA16	56	51	47	39	0.4	0.26	7.5					
3759	08700-049U-RES	318582.4	6258495.7	28-30 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08700	U	49	NCA16	56	51	47	39	0.4	0.26	7.5					
3760	08705-110U-RES	318638.9	6258520.8	27 BURKE STREET, TELOPEA 2117	RES	Residential		08705	U	110	NCA16	56	51	47	39	0.4	0.26	7.5					
3761	08705-158U-RES	318685.8	6258530.6	14 BURKE STREET, TELOPEA 2117	RES	Residential		08705	U	158	NCA16	56	51	47	39	0.4	0.26	7.5					
3762	08705-182U-RES	318708.5	6258538.4	1 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08705	U	182	NCA16	56	51	47	39	0.4	0.26	7.5					
3763	08705-199D-RES	318341.7	6258425.3	35 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08705	D	199	NCA16	56	51	47	39	0.4	0.26	7.5					
3764	08710-246D-RES	318294.5	6258417.8	20 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08710	D	246	NCA16	56	51	47	39	0.4	0.26	7.5					
3765	08715-199U-RES	318721.8	6258554.1	3 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08715	U	199	NCA16	56	51	47	39	0.4	0.26	7.5					
3766	08715-215U-RES	318736.0	6258560.6	5 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08715	U	215	NCA16	56	51	47	39	0.4	0.26	7.5					
3767	08715-268U-RES	318786.9	6258575.6	11 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08715	U	268	NCA16	56	51	47	39	0.4	0.26	7.5					
3768	08715-292U-RES	318810.4	6258581.4	25 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08715	U	292	NCA16	56	51	47	39	0.4	0.26	7.5					
3769	08715-031D-RES	318498.8	6258483.1	26 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08715	D	31	NCA16	56	51	47	39	0.4	0.26	7.5					
3770	08715-086D-RES	318445.2	6258471.5	13 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08715	D	86	NCA16	56	51	47	39	0.4	0.26	7.5					
3771	08720-132D-RES	318400.8	6258460.8	28 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08720	D	132	NCA16	56	51	47	39	0.4	0.26	7.5					
3772	08720-186D-RES	318348.0	6258446.3	37 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08720	D	186	NCA16	56	51	47	39	0.4	0.26	7.5					
3773	08720-230U-RES	318750.7	6258566.0	7 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08720	U	230	NCA16	56	51	47	39	0.4	0.26	7.5					
3774	08720-247U-RES	318765.8	6258572.3	9 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08720	U	247	NCA16	56	51	47	39	0.4	0.26	7.5					
3775	08720-258U-RES	318776.6	6258576.1	11 CUNNINGHAM STREET, TELOPEA 2117	RES	Residential		08720	U	258	NCA16	56	51	47	39	0.4	0.26	7.5					
3776	08720-058U-RES	318585.7	6258515.3	28-30 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	08720	U	58	NCA16	56	51	47	39	0.4	0.26	7.5					
3777	08725-112U-RES	318635.4	6258537.2	29 BURKE STREET, TELOPEA 2117	RES	Residential		08725	U	112	NCA16	56	51	47	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3778	08725-159U-RES	318680.6	6258552.3	16A BURKE STREET, TELOPEA 2117	RES	Residential		08725	U	159	NCA16	56	51	47	39	0.4	0.26	7.5					
3779	08725-244D-RES	318290.5	6258436.9	22 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08725	D	244	NCA16	56	51	47	39	0.4	0.26	7.5					
3780	08735-034D-RES	318489.2	6258504.8	28 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08735	D	34	NCA16	56	51	47	39	0.4	0.26	7.5					
3781	08735-052U-RES	318575.7	6258530.7	2D MANSON STREET, TELOPEA 2117	RES	Residential	2	08735	U	52	NCA16	56	51	47	39	0.4	0.26	7.5					
3782	08735-080D-RES	318445.5	6258491.1	15 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08735	D	80	NCA16	56	51	47	39	0.4	0.26	7.5					
3783	08740-127D-RES	318398.3	6258486.2	30 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08740	D	127	NCA16	56	51	47	39	0.4	0.26	7.5					
3784	08735-187D-RES	318341.9	6258465.9	39 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08735	D	187	NCA16	56	51	47	39	0.4	0.26	7.5					
3785	08740-236D-RES	318293.2	6258457.8	24 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08740	D	236	NCA16	56	51	47	39	0.4	0.26	7.5					
3786	08740-073U-RES	318594.8	6258539.2	2A MANSON STREET, TELOPEA 2117	RES	Residential	1	08740	U	73	NCA16	56	51	47	39	0.4	0.26	7.5					
3787	08750-114U-RES	318633.0	6258555.5	31 BURKE STREET, TELOPEA 2117	RES	Residential		08750	U	114	NCA16	56	51	47	39	0.4	0.26	7.5					
3788	08750-189D-RES	318334.5	6258485.6	41 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08750	D	189	NCA16	56	51	47	39	0.4	0.26	7.5					
3789	00875-023U-RES	314238.8	6257872.8	18 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00875	U	23	NCA04	59	54	53	52	0.4	0.26	7.5					
3790	00875-049U-RES	314221.9	6257852.2	18 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00875	U	49	NCA04	59	54	53	52	0.4	0.26	7.5					
3791	08755-246D-RES	318277.9	6258475.4	26 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08755	D	246	NCA16	56	51	47	39	0.4	0.26	7.5					
3792	08755-032D-RES	318486.1	6258526.2	30 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08755	D	32	NCA16	56	51	47	39	0.4	0.26	7.5					
3793	08755-078D-RES	318441.5	6258514.9	17 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08755	D	78	NCA16	56	51	47	39	0.4	0.26	7.5					
3794	08760-127D-RES	318393.1	6258508.3	32 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08760	D	127	NCA16	56	51	47	39	0.4	0.26	7.5					
3795	08760-162U-RES	318678.0	6258572.9	18 BURKE STREET, TELOPEA 2117	RES	Residential		08760	U	162	NCA16	56	51	47	39	0.4	0.26	7.5					
3796	08765-181D-RES	318337.9	6258507.1	43 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08765	D	181	NCA16	56	51	47	39	0.4	0.26	7.5					
3797	08765-243D-RES	318276.7	6258494.9	28 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08765	D	243	NCA16	56	51	47	39	0.4	0.26	7.5					
3798	08770-115U-RES	318630.5	6258569.8	33 BURKE STREET, TELOPEA 2117	RES	Residential		08770	U	115	NCA16	56	51	47	39	0.4	0.26	7.5					
3799	08770-118D-RES	318398.1	6258526.8	32B LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08770	D	118	NCA16	56	51	47	39	0.4	0.26	7.5					
3800	08770-087D-RES	318428.8	6258534.4	19 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08770	D	87	NCA16	56	51	47	39	0.4	0.26	7.5					
3801	08770-094U-RES	318610.4	6258564.9	2 MANSON STREET, TELOPEA 2117	RES	Residential	1	08770	U	94	NCA16	56	51	47	39	0.4	0.26	7.5					
3802	08775-179D-RES	318336.2	6258525.7	45 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08775	D	179	NCA16	56	51	47	39	0.4	0.26	7.5					
3803	08775-240D-RES	318276.6	6258513.5	30 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08775	D	240	NCA16	56	51	47	39	0.4	0.26	7.5					
3804	08775-037D-RES	318477.0	6258547.7	32 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	2	08775	D	37	NCA16	56	51	47	39	0.4	0.26	7.5					
3805	08780-106D-RES	318407.6	6258545.0	21 NARRUN CRESCENT, TELOPEA 2117	RES	Residential		08780	D	106	NCA16	56	51	47	39	0.4	0.26	7.5					
3806	08780-233D-RES	318281.7	6258529.9	32 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08780	D	233	NCA16	56	51	47	39	0.4	0.26	7.5					
3807	08785-174D-RES	318339.3	6258545.4	47 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08785	D	174	NCA16	56	51	47	39	0.4	0.26	7.5					
3808	08790-046D-RES	318466.2	6258563.3	34 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08790	D	46	NCA16	56	51	47	39	0.4	0.26	7.5					
3809	08795-231D-RES	318280.9	6258552.1	34 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08795	D	231	NCA16	56	51	47	39	0.4	0.26	7.5					
3810	08800-114U-RES	318628.2	6258585.0	33 BURKE STREET, TELOPEA 2117	RES	Residential	2	08800	U	114	NCA16	56	51	47	39	0.4	0.26	7.5					
3811	08800-157D-RES	318354.5	6258563.3	47 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08800	D	157	NCA16	56	51	47	39	0.4	0.26	7.5					
3812	08800-212D-RES	318299.4	6258566.4	36 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08800	D	212	NCA16	56	51	47	39	0.4	0.26	7.5					
3813	08800-060U-RES	318574.2	6258582.1	34 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08800	U	60	NCA17	53	48	45	36	0.4	0.26	7.5					
3814	08800-065D-RES	318445.2	6258575.0	36 NARRUN CRESCENT, TELOPEA 2117	RES	Residential	1	08800	D	65	NCA16	56	51	47	39	0.4	0.26	7.5					
3815	08805-142D-RES	318368.6	6258578.6	49 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08805	D	142	NCA16	56	51	47	39	0.4	0.26	7.5					
3816	08810-203D-RES	318307.3	6258579.7	38 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08810	D	203	NCA16	56	51	47	39	0.4	0.26	7.5					
3817	08815-127D-RES	318382.6	6258593.6	49A LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08815	D	127	NCA16	56	51	47	39	0.4	0.26	7.5					
3818	08820-154U-RES	318668.0	6258596.2	20 BURKE STREET, TELOPEA 2117	RES	Residential		08820	U	154	NCA16	56	51	47	39	0.4	0.26	7.5					
3819	08820-192D-RES	318317.8	6258595.7	40 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08820	D	192	NCA16	56	51	47	39	0.4	0.26	7.5					
3820	08820-056D-RES	318453.6	6258596.3	34 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	1	08820	D	56	NCA16	56	51	47	39	0.4	0.26	7.5					
3821	08825-125D-RES	318385.3	6258608.1	51 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08825	D	125	NCA16	56	51	47	39	0.4	0.26	7.5					
3822	08825-051U-RES	318564.9	6258601.6	36 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	08825	U	51	NCA17	53	48	45	36	0.4	0.26	7.5					
3823	08830-176U-RES	318689.6	6258601.1	4 MANSON STREET, TELOPEA 2117	RES	Residential		08830	U	176	NCA16	56	51	47	39	0.4	0.26	7.5					
3824	08830-181D-RES	318329.4	6258613.1	42 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08830	D	181	NCA16	56	51	47	39	0.4	0.26	7.5					
3825	08830-048D-RES	318462.5	6258612.5	36 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08830	D	48	NCA16	56	51	47	39	0.4	0.26	7.5					
3826	08840-108D-RES	318403.0	6258626.3	53 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08840	D	108	NCA16	56	51	47	39	0.4	0.26	7.5					
3827	08840-171D-RES	318340.9	6258631.7	44 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08840	D	171	NCA16	56	51	47	39	0.4	0.26	7.5					
3828	08845-193U-RES	318707.2	6258604.1	6 MANSON STREET, TELOPEA 2117	RES	Residential		08845	U	193	NCA16	56	51	47	39	0.4	0.26	7.5					
3829	08845-040U-RES	318554.0	6258617.7	2 WINTER STREET, TELOPEA 2117	RES	Residential	1	08845	U	40	NCA17	53	48	45	36	0.4	0.26	7.5					
3830	08845-076U-RES	318589.9	6258614.3	1 MANSON STREET, TELOPEA 2117	RES	Residential		08845	U	76	NCA17	53	48	45	36	0.4	0.26	7.5					
3831	08850-143D-RES	318369.7	6258643.7	46B ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08850	D	143	NCA16	56	51	47	39	0.4	0.26	7.5					
3832	08850-162D-RES	318351.5	6258648.3	46A ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08850	D	162	NCA16	56	51	47	39	0.4	0.26	7.5					
3833	08850-039D-RES	318473.0	6258633.5	38 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	1	08850	D	39	NCA16	56	51	47	39	0.4	0.26	7.5					
3834	08850-087U-RES	318602.0	6258618.5	3 MANSON STREET, TELOPEA 2117	RES	Residential		08850	U	87	NCA17	53	48	45	36	0.4	0.26	7.5					
3835	08855-116D-RES	318397.5	6258646.7	48 ROCK FARM AVENUE, TELOPEA 2117	RES	Residential		08855	D	116	NCA16	56	51	47	39	0.4	0.26	7.5					
3836	08855-093D-RES	318420.3	6258642.9	55 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08855	D	93	NCA16	56	51	47	39	0.4	0.26	7.5					
3837	00885-091U-RES	314203.9	6257813.9	19 JESSIE STREET, WESTMEAD 2145	RES	Residential		00885	U	91	NCA04	59	54	53	52	0.4	0.26	7.5					
3838	08865-036U-RES	318552.4	6258634.1	4 WINTER STREET, TELOPEA 2117	RES	Residential	1	08865	U	36	NCA17	53	48	45	36	0.4	0.26	7.5					
3839	08870-100U-RES	318616.6	6258624.7	5 MANSON STREET, TELOPEA 2117	RES	Residential		08870	U	100	NCA17	53	48	45	36	0.4	0.26	7.5					
3840	08875-115D-RES	318405.2	6258681.1	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08875	D	115	NCA17	53	48	45	36	0.4	0.26	7.5					
3841	08875-147D-RES	318372.9	6258685.7	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08875	D	147	NCA17	53	48	45	36	0.4	0.26	7.5					
3842	08880-030U-RES	318550.2	6258649.5	6-8 WINTER STREET, TELOPEA 2117	RES	Residential	2	08880	U	30	NCA17	53	48	45	36	0.4	0.26	7.5					
3843	08880-083D-RES	318436.8	6258678.2	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08880	D	83	NCA17	53	48	45	36	0.4	0.26	7.5					
3844	08885-142D-RES	318382.7	6258703.0	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08885	D	142	NCA17	53	48	45	36	0.4	0.26	7.5					
3845	08890-097D-RES	318428.8	6258698.4	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential		08890	D	97	NCA17	53	48	45	36	0.4	0.26	7.5					
3846	08895-068D-RES	318457.4	6258691.8	57 LEAMINGTON ROAD, TELOPEA 2117	RES	Residential	2	08895	D	68	NCA17	53	48	45	36	0.4	0.26	7.5					
3847	08900-027U-RES	318552.9	6258666.4	6-8 WINTER STREET, TELOPEA 2117	RES	Residential	2	08900	U	27	NCA17	53	48	45	36	0.4	0.26	7.5					
3848	00890-040U-RES	314241.8	6257848.5	16 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00890	U	40	NCA04	59	54	53	52	0.4	0.26	7.5					
3849	08905-047U-RES	318572.4	6258660.5	6-8 WINTER STREET, TELOPEA 2117	RES	Residential		08905	U	47	NCA17	53	48	45	36	0.4	0.26	7.5					
3850	08905-073D-RES	318458.7	6258711.4	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08905	D	73	NCA17	53	48	45	36	0.4	0.26	7.5					
3851	08910-086D-RES	318447.8	6258719.0	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08910	D	86	NCA17	53	48	45	36	0.4	0.26	7.5					
3852	08920-210U-RES	318724.2	6258602.2	8 MANSON STREET, TELOPEA 2117	RES	Residential		08920	U	210	NCA16	56	51	47	39	0.4	0.26	7.5					
3853	08920-049D-RES	318486.9	6258713.8	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	08920	D	49	NCA17	53	48	45	36	0.4	0.26	7.5					
3854	08930-026U-RES	318563.2	6258690.8	10B WINTER STREET, TELOPEA 2117	RES	Residential	2	08930	U	26	NCA17	53	48	45	36	0.4	0.26	7.5					
3855	08930-083D-RES	318463.4	6258742.8	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08930	D	83	NCA17	53	48	45	36	0.4	0.26	7.5					
3856	08935-132U-PoW	318657.7	6258643.7	7-9 MANSON STREET, TELOPEA 2117	PoW	Place of Worship		08935	U	132	NCA17	55	55	55	55	0.8	0.8	7.5					
3857	08945-042U-RES	318583.6	6258695.3	12-14 WINTER STREET, TELOPEA 2117	RES	Residential	1	08945	U	42	NCA17	53	48	45	36	0.4	0.26	7.5					
3858	08945-054D-RES	318495.2	6258741.5	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential	4	08945	D	54	NCA17	53	48	45	36	0.4	0.26	7.5					
3859	08950-217U-RES	318737.6	6258612.1	10 MANSON STREET, TELOPEA 2117	RES	Residential		08950	U	217	NCA16	56	51	47	39	0.4	0.26	7.5					
3860	08950-096D-RES	318462.5	6258769.2	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08950	D	96	NCA17	53	48	45	36	0.4	0.26	7.5					
3861	08960-166U-RES	318699.8	6258648.3	11-15 MANSON STREET, TELOPEA 2117	RES	Residential		08960	U	166	NCA17	53	48	45	36	0.4	0.26	7.5					
3862	08960-229U-RES	318753.8	6258616.5	12 MANSON STREET, TELOPEA 2117	RES	Residential		08960	U	229	NCA16	56	51	47	39	0.4	0.26	7.5					
3863	08960-029U-RES	318580.2	6258715.3	12-14 WINTER STREET, TELOPEA 2117	RES	Residential	1	08960	U	29	NCA17	53	48	45	36	0.4	0.26	7.5					
3864	08965-142D-RES	318429.6	6258805.0	16 ROBERT STREET, TELOPEA 2117	RES	Residential		08965	D	142	NCA17	53	48	45	36	0.4	0.26	7.5					
3865	08965-277U-RES	318797.8	6258597.6	27 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08965	U	277	NCA16	56	51	47	39	0.4	0.26	7.5					
3866	08965-047D-RES	318512.0	6258757.5	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	08965	D	47	NCA17	53	48	45	36	0.4	0.26	7.5					
3867	08965-075D-RES	318488.1	6258770.9	27 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	08965	D	75	NCA17	53	48	45	36	0.4	0.26	7.5					
3868	08970-257U-RES	318784.4	6258613.1	29 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08970	U	257	NCA16	56	51	47	39	0.4	0.26	7.5					
3869	08975-243U-RES	318774.7	6258624.8	31 CHESTNUT AVENUE, TELOPEA 2117	RES	Residential		08975	U	243	NCA16	56	51	47	39	0.4	0.26	7.5					
3870	08975-095U-RES	318643.7	6258694.5	14 STURT STREET, TELOPEA 2117	RES	Residential	3	08975	U	95	NCA17	53	48	45	36	0.4	0.26	7.5					
3871	08980-146U-RES	318690.0	6258672.7	11-15 MANSON STREET, TELOPEA 2117	RES	Residential		08980	U	146	NCA17	53	48	45	36	0.4	0.26	7.5					
3872	08980-174D-RES	318408.5	6258832.6	16 ROBERT STREET, TELOPEA 2117	RES	Residential		08980	D	174	NCA17	53	48	45	36	0.4	0.26	7.5					
3873	08980-038U-RES	318597.3	6258729.0	12-14 WINTER STREET, TELOPEA 2117	RES	Residential	1	08980	U	38	NCA17	53	48	45	36	0.4	0.26	7.5					
3874	08985-109D-RES	318467.6	6258804.6	29 ADDERTON ROAD, TELOPEA 2117	RES	Residential		08985	D	109	NCA17	53	48	45	36	0.4	0.26	7.5					
3875	08985-190U-RES	318731.5	6258656.6	17 MANSON STREET, TELOPEA 2117	RES	Residential		08985	U	190	NCA17	53	48	45	36	0.4	0.26	7.5					
3876	08985-233U-RES	318768.5	6258634.1	14 MANSON STREET, TELOPEA 2117	RES	Residential		08985	U	233	NCA16	56	51	47	39	0.4	0.26	7.5					
3877	09000-148D-RES	318440.8	6258837.6	16 ROBERT STREET, TELOPEA 2117	RES	Residential		09000	D	148	NCA17	53	48	45	36	0.4	0.26	7.5					
3878	09000-205U-RES	318753.6	6258665.1	19-21 MANSON STREET, TELOPEA 2117	RES	Residential		09000	U	205	NCA17	53	48	45	36	0.4	0.26	7.5					
3879	00900-166U-RES	314206.1	6257722.9	12 JESSIE STREET, WESTMEAD 2145	RES	Residential		00900	U	166	NCA04	59	54	53	52	0.4	0.26	7.5					
3880	00900-041U-RES	314252.1	6257839.6	14 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00900	U	41	NCA04	59	54	53	52	0.4	0.26	7.5					
3881	09005-132U-RES	318690.9	6258702.7	14 STURT STREET, TELOPEA 2117	RES	Residential	3	09005	U	132	NCA17	53	48	45	36	0.4	0.26	7.5					
3882	00900-094U-RES	314222.6	6257795.3	15 JESSIE STREET, WESTMEAD 2145	RES	Residential		00900	U	94	NCA04	59	54	53	52	0.4	0.26	7.5					
3883	09010-069U-RES	318638.5	6258737.5	14 STURT STREET, TELOPEA 2117	RES	Residential	3	09010	U	69	NCA17	53	48	45	36	0.4	0.26	7.5					
3884	09010-096D-RES	318489.8	6258818.4	29 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	09010	D	96	NCA17	53	48	45	36	0.4	0.26	7.5					
3885	00090-150D-EDU	313621.2	6257477.4	158-164 HAWKESBURY ROAD, WESTMEAD 2145	EDU	Educational		00090	D	150	NCA02	55	55	55	55	0.8	0.8	7.5					
3886	09015-178U-RES	318735.3	6258687.6	19-21 MANSON STREET, TELOPEA 2117	RES	Residential		09015	U	178	NCA17	53	48	45	36	0.4	0.26	7.5					
3887	09025-208U-RES	318768.1	6258685.6	23 MANSON STREET, TELOPEA 2117	RES	Residential		09025	U	208	NCA17	53	48	45	36	0.4	0.26	7.5					
3888	09030-063D-RES	318528.8	6258820.7	31-39 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	09030	D	63	NCA17	53	48	45	36	0.4	0.26	7.5					
3889	09035-122D-RES	318479.5	6258853.6	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09035	D	122	NCA17	53	48	45	36	0.4	0.26	7.5					
3890	09040-045D-RES	318550.7	6258823.6	31-39 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09040	D	45	NCA17	53	48	45	36	0.4	0.26	7.5					
3891	09045-092D-RES	318512.5	6258850.7	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09045	D	92	NCA17	53	48	45	36	0.4	0.26	7.5					
3892	09050-158U-RES	318736.7	6258731.4	14 STURT STREET, TELOPEA 2117	RES	Residential		09050	U	158	NCA17	53	48	45	36	0.4	0.26	7.5					
3893	09050-180D-RES	318437.0	6258896.8	20 ROBERT STREET, TELOPEA 2117	RES	Residential		09050	D	180	NCA17	53	48	45	36	0.4	0.26	7.5					
3894	09050-203D-RES	318417.2	6258908.7	22 ROBERT STREET, TELOPEA 2117	RES	Residential		09050	D	203	NCA17	53	48	45	36	0.4	0.26	7.5					
3895	09050-212U-RES	318782.0	6258701.2	25 MANSON STREET, TELOPEA 2117	RES	Residential		09050	U	212	NCA17	53	48	45	36	0.4	0.26	7.5					
3896	00905-108U-RES	314258.4	6257766.5	9 JESSIE STREET, WESTMEAD 2145	RES	Residential		00905	U	108	NCA04	59	54	53	52	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
3897	00905-168U-RES	314217.1	6257715.9	10 JESSIE STREET, WESTMEAD 2145	RES	Residential		00905	U	168	NCA04	59	54	53	52	0.4	0.26	7.5					
3898	00905-171U-RES	314228.1	6257708.6	8 JESSIE STREET, WESTMEAD 2145	RES	Residential		00905	U	171	NCA04	59	54	53	52	0.4	0.26	7.5					
3899	00905-183U-RES	314235.5	6257694.2	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00905	U	183	NCA04	59	54	53	52	0.4	0.26	7.5					
3900	00905-204U-RES	314228.8	6257674.4	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00905	U	204	NCA04	59	54	53	52	0.4	0.26	7.5					
3901	00905-236U-RES	314228.4	6257641.7	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00905	U	236	NCA04	59	54	53	52	0.4	0.26	7.5					
3902	00905-044U-RES	314264.8	6257830.5	12 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00905	U	44	NCA04	59	54	53	52	0.4	0.26	7.5					
3903	09055-143D-RES	318472.8	6258884.2	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09055	D	143	NCA17	53	48	45	36	0.4	0.26	7.5					
3904	00905-095U-RES	314249.1	6257781.6	11 JESSIE STREET, WESTMEAD 2145	RES	Residential		00905	U	95	NCA04	59	54	53	52	0.4	0.26	7.5					
3905	09060-071D-RES	318537.3	6258853.0	31-39 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09060	D	71	NCA17	53	48	45	36	0.4	0.26	7.5					
3906	09065-042D-RES	318565.3	6258842.6	31-39 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09065	D	42	NCA17	53	48	45	36	0.4	0.26	7.5					
3907	09075-209U-RES	318791.9	6258725.6	27 MANSON STREET, TELOPEA 2117	RES	Residential		09075	U	209	NCA17	53	48	45	36	0.4	0.26	7.5					
3908	09080-152D-RES	318475.5	6258908.3	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09080	D	152	NCA17	53	48	45	36	0.4	0.26	7.5					
3909	09080-191D-RES	318442.7	6258929.2	20 ROBERT STREET, TELOPEA 2117	RES	Residential		09080	D	191	NCA17	53	48	45	36	0.4	0.26	7.5					
3910	09080-025U-RES	318633.5	6258820.2	14 STURT STREET, TELOPEA 2117	RES	Residential	3	09080	U	25	NCA17	53	48	45	36	0.4	0.26	7.5					
3911	09090-104D-RES	318521.8	6258892.0	8 ROBERT STREET, TELOPEA 2117	RES	Residential		09090	D	104	NCA17	53	48	45	36	0.4	0.26	7.5					
3912	09095-061D-RES	318562.5	6258876.3	41 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09095	D	61	NCA17	53	48	45	36	0.4	0.26	7.5					
3913	09100-140D-RES	318496.7	6258921.2	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09100	D	140	NCA17	53	48	45	36	0.4	0.26	7.5					
3914	09100-157D-RES	318480.1	6258926.8	14 ROBERT STREET, TELOPEA 2117	RES	Residential		09100	D	157	NCA17	53	48	45	36	0.4	0.26	7.5					
3915	00910-110U-RES	314271.8	6257762.1	7 JESSIE STREET, WESTMEAD 2145	RES	Residential		00910	U	110	NCA04	59	54	53	52	0.4	0.26	7.5					
3916	00910-117U-RES	314283.1	6257754.5	5 JESSIE STREET, WESTMEAD 2145	RES	Residential		00910	U	117	NCA04	59	54	53	52	0.4	0.26	7.5					
3917	00910-167U-RES	314251.2	6257706.9	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00910	U	167	NCA04	59	54	53	52	0.4	0.26	7.5					
3918	00910-190U-RES	314261.5	6257682.7	2 JESSIE STREET, WESTMEAD 2145	RES	Residential		00910	U	190	NCA04	59	54	53	52	0.4	0.26	7.5					
3919	00910-220U-RES	314237.9	6257655.7	5 HELEN STREET, WESTMEAD 2145	RES	Residential		00910	U	220	NCA04	59	54	53	52	0.4	0.26	7.5					
3920	00910-221U-RES	314272.1	6257651.0	27 PARK AVENUE, WESTMEAD 2145	RES	Residential		00910	U	221	NCA04	59	54	53	52	0.4	0.26	7.5					
3921	00910-246U-RES	314258.4	6257626.1	25 PARK AVENUE, WESTMEAD 2145	RES	Residential		00910	U	246	NCA04	59	54	53	52	0.4	0.26	7.5					
3922	00910-051U-RES	314277.3	6257820.3	10 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	3	00910	U	51	NCA04	59	54	53	52	0.4	0.26	7.5					
3923	09115-118D-RES	318523.7	6258923.4	8 ROBERT STREET, TELOPEA 2117	RES	Residential		09115	D	118	NCA17	53	48	45	36	0.4	0.26	7.5					
3924	09115-080D-RES	318556.9	6258905.2	4 ROBERT STREET, TELOPEA 2117	RES	Residential		09115	D	80	NCA17	53	48	45	36	0.4	0.26	7.5					
3925	09120-053D-RES	318581.6	6258895.2	43 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09120	D	53	NCA17	53	48	45	36	0.4	0.26	7.5					
3926	09120-091U-RES	318709.8	6258821.5	33 STURT STREET, TELOPEA 2117	RES	Residential	9	09120	U	91	NCA17	53	48	45	36	0.4	0.26	7.5					
3927	09125-184U-RES	318795.7	6258784.6	12 EYLES STREET, TELOPEA 2117	RES	Residential		09125	U	184	NCA17	53	48	45	36	0.4	0.26	7.5					
3928	09130-258U-RES	318860.8	6258750.0	21 STURT STREET, TELOPEA 2117	RES	Residential		09130	U	258	NCA17	53	48	45	36	0.4	0.26	7.5					
3929	09135-271D-RES	318398.2	6259013.9	17 ROBERT STREET, TELOPEA 2117	RES	Residential		09135	D	271	NCA17	53	48	45	36	0.4	0.26	7.5					
3930	09145-192D-RES	318472.6	6258984.3	15 ROBERT STREET, TELOPEA 2117	RES	Residential		09145	D	192	NCA17	53	48	45	36	0.4	0.26	7.5					
3931	09145-298U-RES	318903.7	6258743.0	19 STURT STREET, TELOPEA 2117	RES	Residential		09145	U	298	NCA17	53	48	45	36	0.4	0.26	7.5					
3932	09145-060D-RES	318588.5	6258921.6	47 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09145	D	60	NCA17	53	48	45	36	0.4	0.26	7.5					
3933	00915-125U-RES	314293.5	6257746.4	3 JESSIE STREET, WESTMEAD 2145	RES	Residential		00915	U	125	NCA04	59	54	53	52	0.4	0.26	7.5					
3934	00915-134U-RES	314305.0	6257738.3	1 JESSIE STREET, WESTMEAD 2145	RES	Residential		00915	U	134	NCA04	59	54	53	52	0.4	0.26	7.5					
3935	00915-146U-RES	314294.1	6257725.1	1 JESSIE STREET, WESTMEAD 2145	RES	Residential		00915	U	146	NCA04	59	54	53	52	0.4	0.26	7.5					
3936	00915-197U-RES	314292.0	6257674.3	29 PARK AVENUE, WESTMEAD 2145	RES	Residential		00915	U	197	NCA04	59	54	53	52	0.4	0.26	7.5					
3937	09155-171D-RES	318495.7	6258982.8	11 ROBERT STREET, TELOPEA 2117	RES	Residential		09155	D	171	NCA17	53	48	45	36	0.4	0.26	7.5					
3938	00915-060U-RES	314291.6	6257811.4	9 JESSIE STREET, WESTMEAD 2145	RES	Residential	4	00915	U	60	NCA04	59	54	53	52	0.4	0.26	7.5					
3939	09160-157D-RES	318510.5	6258981.6	9 ROBERT STREET, TELOPEA 2117	RES	Residential		09160	D	157	NCA17	53	48	45	36	0.4	0.26	7.5					
3940	09160-177U-RES	318804.7	6258814.3	12 EYLES STREET, TELOPEA 2117	RES	Residential		09160	U	177	NCA17	53	48	45	36	0.4	0.26	7.5					
3941	09165-143D-RES	318525.6	6258979.7	7 ROBERT STREET, TELOPEA 2117	RES	Residential		09165	D	143	NCA17	53	48	45	36	0.4	0.26	7.5					
3942	09165-213U-RES	318840.0	6258803.9	12 EYLES STREET, TELOPEA 2117	RES	Residential		09165	U	213	NCA17	53	48	45	36	0.4	0.26	7.5					
3943	09165-273D-RES	318410.8	6259039.9	17 ROBERT STREET, TELOPEA 2117	RES	Residential		09165	D	273	NCA17	53	48	45	36	0.4	0.26	7.5					
3944	09170-101D-RES	318563.5	6258960.2	1 ROBERT STREET, TELOPEA 2117	RES	Residential		09170	D	101	NCA17	53	48	45	36	0.4	0.26	7.5					
3945	09170-128D-RES	318540.5	6258975.2	5 ROBERT STREET, TELOPEA 2117	RES	Residential		09170	D	128	NCA17	53	48	45	36	0.4	0.26	7.5					
3946	09170-241U-RES	318865.5	6258792.2	12 EYLES STREET, TELOPEA 2117	RES	Residential		09170	U	241	NCA17	53	48	45	36	0.4	0.26	7.5					
3947	09170-093U-RES	318736.8	6258866.0	33 STURT STREET, TELOPEA 2117	RES	Residential	9	09170	U	93	NCA17	53	48	45	36	0.4	0.26	7.5					
3948	09175-276U-RES	318899.9	6258782.8	12 EYLES STREET, TELOPEA 2117	RES	Residential		09175	U	276	NCA17	53	48	45	36	0.4	0.26	7.5					
3949	09190-295D-RES	318403.9	6259073.1	17 ROBERT STREET, TELOPEA 2117	RES	Residential		09190	D	295	NCA17	53	48	45	36	0.4	0.26	7.5					
3950	09195-162D-RES	318522.2	6259011.8	7 GARDEN STREET, TELOPEA 2117	RES	Residential		09195	D	162	NCA17	53	48	45	36	0.4	0.26	7.5					
3951	00920-109U-RES	314323.4	6257767.4	6 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential		00920	U	109	NCA04	59	54	53	52	0.4	0.26	7.5					
3952	00920-123U-RES	314315.6	6257750.6	1 JESSIE STREET, WESTMEAD 2145	RES	Residential		00920	U	123	NCA04	59	54	53	52	0.4	0.26	7.5					
3953	00920-141U-RES	314339.7	6257738.4	33 PARK AVENUE, WESTMEAD 2145	RES	Residential		00920	U	141	NCA04	59	54	53	52	0.4	0.26	7.5					
3954	00920-161U-RES	314323.2	6257714.1	30 PARK AVENUE, WESTMEAD 2145	RES	Residential		00920	U	161	NCA04	59	54	53	52	0.4	0.26	7.5					
3955	09205-116D-RES	318567.5	6258999.5	9-11 GARDEN STREET, TELOPEA 2117	RES	Residential		09205	D	116	NCA17	53	48	45	36	0.4	0.26	7.5					
3956	00920-065U-RES	314314.4	6257810.8	6 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	2	00920	U	65	NCA04	59	54	53	52	0.4	0.26	7.5					
3957	09210-050D-COM	318629.1	6258973.5	1 TELOPEA STREET, TELOPEA 2117	COM	Commercial	2	09210	D	50	NCA17	70	70	70	70	0.8	0.8	7.5					
3958	09215-157U-RES	318814.1	6258873.2	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09215	U	157	NCA17	53	48	45	36	0.4	0.26	7.5					
3959	09215-064U-RES	318733.0	6258917.7	33 STURT STREET, TELOPEA 2117	RES	Residential	9	09215	U	64	NCA17	53	48	45	36	0.4	0.26	7.5					
3960	09220-154D-RES	318542.1	6259031.4	7 GARDEN STREET, TELOPEA 2117	RES	Residential		09220	D	154	NCA17	53	48	45	36	0.4	0.26	7.5					
3961	09225-187U-RES	318846.7	6258869.0	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09225	U	187	NCA17	53	48	45	36	0.4	0.26	7.5					
3962	09230-219U-RES	318877.2	6258858.2	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09230	U	219	NCA17	53	48	45	36	0.4	0.26	7.5					
3963	09235-137D-RES	318565.7	6259038.6	5 GARDEN STREET, TELOPEA 2117	RES	Residential		09235	D	137	NCA17	53	48	45	36	0.4	0.26	7.5					
3965	09240-073D-RES	318623.1	6259010.6	11 TELOPEA STREET, TELOPEA 2117	RES	Residential	1	09240	D	73	NCA17	53	48	45	36	0.4	0.26	7.5					
3966	09245-143U-RES	318817.5	6258907.8	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09245	U	143	NCA17	53	48	45	36	0.4	0.26	7.5					
3967	09245-244U-RES	318905.4	6258857.4	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09245	U	244	NCA17	53	48	45	36	0.4	0.26	7.5					
3968	09245-276U-RES	318933.9	6258843.2	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09245	U	276	NCA17	53	48	45	36	0.4	0.26	7.5					
3969	09260-139D-RES	318575.9	6259061.6	5 GARDEN STREET, TELOPEA 2117	RES	Residential		09260	D	139	NCA17	53	48	45	36	0.4	0.26	7.5					
3970	09260-160U-RES	318839.2	6258911.2	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09260	U	160	NCA17	53	48	45	36	0.4	0.26	7.5					
3971	09260-198U-PoW	318874.2	6258895.6	16-18 SHORTLAND STREET, TELOPEA 2117	PoW	Place of Worship		09260	U	198	NCA17	55	55	55	55	0.8	0.8	7.5					
3972	09265-264U-RES	318933.6	6258867.0	14 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09265	U	264	NCA17	53	48	45	36	0.4	0.26	7.5					
3973	09265-288D-RES	318446.2	6259135.6	4 WYLDE STREET, TELOPEA 2117	RES	Residential		09265	D	288	NCA17	53	48	45	36	0.4	0.26	7.5					
3974	09270-250D-RES	318482.0	6259121.1	14 WYLDE STREET, TELOPEA 2117	RES	Residential		09270	D	250	NCA17	53	48	45	36	0.4	0.26	7.5					
3975	09275-273D-RES	318466.0	6259139.3	12 WYLDE STREET, TELOPEA 2117	RES	Residential		09275	D	273	NCA17	53	48	45	36	0.4	0.26	7.5					
3976	09275-049D-COM	318660.3	6259028.3	57A ADDERTON ROAD, TELOPEA 2117	COM	Commercial	1	09275	D	49	NCA17	70	70	70	70	0.8	0.8	7.5			Service station		
3977	09280-045U-RES	318748.0	6258984.7	1A-5 SHORTLAND STREET, TELOPEA 2117	RES	Residential	6	09280	U	45	NCA17	53	48	45	36	0.4	0.26	7.5					
3978	09285-101D-RES	318619.8	6259061.2	1 GARDEN STREET, TELOPEA 2117	RES	Residential		09285	D	101	NCA17	53	48	45	36	0.4	0.26	7.5					
3979	09290-039D-EDU	318675.3	6259035.0	59 ADDERTON ROAD, TELOPEA 2117	EDU	Educational	1	09290	D	39	NCA17	55	55	55	55	0.8	0.8	7.5		UHS Tutoring			
3980	09295-281D-RES	318468.7	6259161.3	12 WYLDE STREET, TELOPEA 2117	RES	Residential		09295	D	281	NCA17	53	48	45	36	0.4	0.26	7.5					
3981	09300-107U-RES	318811.7	6258970.8	1A-5 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09300	U	107	NCA17	53	48	45	36	0.4	0.26	7.5					
3982	09310-048D-RES	318679.3	6259059.6	2C TELOPEA STREET, TELOPEA 2117	RES	Residential	3	09310	D	48	NCA17	53	48	45	36	0.4	0.26	7.5					
3983	09315-111D-RES	318626.3	6259094.6	13-17 TELOPEA STREET, TELOPEA 2117	RES	Residential		09315	D	111	NCA17	53	48	45	36	0.4	0.26	7.5					
3984	09320-177U-RES	318878.9	6258948.1	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09320	U	177	NCA17	53	48	45	36	0.4	0.26	7.5					
3985	09325-300D-RES	318477.0	6259211.6	13A WYLDE STREET, TELOPEA 2117	RES	Residential		09325	D	300	NCA17	53	48	45	36	0.4	0.26	7.5					
3986	09335-263D-RES	318518.8	6259208.4	2 BONAR STREET, TELOPEA 2117	RES	Residential		09335	D	263	NCA17	53	48	45	36	0.4	0.26	7.5					
3987	09335-043U-RES	318772.5	6259030.4	8 FIELD PLACE, TELOPEA 2117	RES	Residential	3	09335	U	43	NCA17	53	48	45	36	0.4	0.26	7.5					
3988	09340-131D-RES	318630.3	6259137.0	19-21 TELOPEA STREET, TELOPEA 2117	RES	Residential		09340	D	131	NCA17	53	48	45	36	0.4	0.26	7.5					
3989	09340-056D-RES	318692.4	6259094.9	65 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	09340	D	56	NCA17	53	48	45	36	0.4	0.26	7.5					
3990	09340-068U-RES	318795.1	6259018.4	6 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09340	U	68	NCA17	53	48	45	36	0.4	0.26	7.5					
3991	09345-252D-RES	318536.1	6259212.3	4 BONAR STREET, TELOPEA 2117	RES	Residential		09345	D	252	NCA17	53	48	45	36	0.4	0.26	7.5					
3992	09350-113U-RES	318834.7	6258996.1	1A MARSHALL ROAD, TELOPEA 2117	RES	Residential		09350	U	113	NCA17	53	48	45	36	0.4	0.26	7.5					
3993	09350-211D-RES	318579.0	6259202.2	3 NOBLE PLACE, TELOPEA 2117	RES	Residential		09350	D	211	NCA17	53	48	45	36	0.4	0.26	7.5					
3994	09350-228D-RES	318564.4	6259211.1	1 NOBLE PLACE, TELOPEA 2117	RES	Residential		09350	D	228	NCA17	53	48	45	36	0.4	0.26	7.5					
3995	09350-244D-RES	318551.6	6259219.7	6 BONAR STREET, TELOPEA 2117	RES	Residential		09350	D	244	NCA17	53	48	45	36	0.4	0.26	7.5					
3996	09350-293D-RES	318514.9	6259253.3	1A BONAR STREET, TELOPEA 2117	RES	Residential		09350	D	293	NCA17	53	48	45	36	0.4	0.26	7.5					
3997	00935-131U-RES	314359.9	6257757.4	34 PARK AVENUE, WESTMEAD 2145	RES	Residential		00935	U	131	NCA04	59	54	53	52	0.4	0.26	7.5					
3998	00935-002D-RES	314307.6	6257879.6	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00935	D	2	NCA05	59	54	53	52	0.4	0.26	7.5					
3999	09355-087U-RES	318815.6	6259014.8	4 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09355	U	87	NCA17	53	48	45	36	0.4	0.26	7.5					
4000	09360-192D-RES	318602.3	6259199.8	5 NOBLE PLACE, TELOPEA 2117	RES	Residential		09360	D	192	NCA17	53	48	45	36	0.4	0.26	7.5					
4001	09360-287D-RES	318531.5	6259262.9	1 BONAR STREET, TELOPEA 2117	RES	Residential		09360	D	287	NCA17	53	48	45	36	0.4	0.26	7.5					
4002	09365-088D-RES	318685.5	6259136.9	2-4 TELOPEA STREET, TELOPEA 2117	RES	Residential		09365	D	88	NCA17	53	48	45	36	0.4	0.26	7.5					
4003	09370-278D-RES	318550.2	6259270.4	3 BONAR STREET, TELOPEA 2117	RES	Residential		09370	D	278	NCA17	53	48	45	36	0.4	0.26	7.5					
4004	09375-104D-RES	318683.8	6259158.4	6 TELOPEA STREET, TELOPEA 2117	RES	Residential		09375	D	104	NCA17	53	48	45	36	0.4	0.26	7.5					
4005	09375-229D-RES	318595.5	6259247.9	8 BONAR STREET, TELOPEA 2117	RES	Residential		09375	D	229	NCA17	53	48	45	36	0.4	0.26	7.5					
4006	09375-051D-RES	318722.8	6259123.7	71 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	09375	D	51	NCA17	53	48	45	36	0.4	0.26	7.5					
4007	09380-104U-RES	318839.9	6259015.9	2 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09380	U	104	NCA17	53	48	45	36	0.4	0.26	7.5					
4008	09380-162U-RES	318880.5	6258974.3	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09380	U	162	NCA17	53	48	45	36	0.4	0.26	7.5					
4009	09380-187D-RES	318627.8	6259220.1	7 NOBLE PLACE, TELOPEA 2117	RES	Residential		09380	D	187	NCA17	53	48	45	36	0.4	0.26	7.5					
4010	09380-279D-RES	318561.9	6259285.3	5 BONAR STREET, TELOPEA 2117	RES	Residential		09380	D	279	NCA17	53	48	45	36	0.4	0.26	7.5					
4011	09385-115D-RES	318687.5	6259178.3	8 TELOPEA STREET, TELOPEA 2117	RES	Residential		09385	D	115	NCA17	53	48	45	36	0.4	0.26	7.5					
4012	09385-205D-RES	318621.1	6259239.6	9 NOBLE PLACE, TELOPEA 2117	RES	Residential		09385	D	205	NCA17	53	48	45	36	0.4	0.26	7.5					
4013	09385-231D-RES	318609.6	6259264.0	10 BONAR STREET, TELOPEA 2117	RES	Residential		09385	D	231	NCA17	53	48	45	36	0.4	0.26	7.5					
4014	09385-283D-RES	318569.1	6259298.1	7 BONAR STREET, TELOPEA 2117	RES	Residential		09385	D	283	NCA17	53	48	45	36	0.4	0.26	7.5					
4015	09390-290D-RES	318574.5	6259311.7	7A BONAR STREET, TELOPEA 2117	RES	Residential		09390	D	290	NCA17	53	48	45	36	0.4	0.26	7.5					
4016	09390-035U-RES	318797.0	6259069.7	10R FIELD PLACE, TELOPEA 2117	RES	Residential	3	09390	U	35	NCA17	53	48	45	36	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
4017	09390-057D-RES	318733.0	6259141.2	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09390	D	57	NCA17	53	48	45	36	0.4	0.26	7.5					
4018	09390-075D-RES	318719.8	6259154.0	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09390	D	75	NCA17	53	48	45	36	0.4	0.26	7.5					
4019	09395-188D-RES	318649.8	6259242.8	23 TELOPEA STREET, TELOPEA 2117	RES	Residential		09395	D	188	NCA17	53	48	45	36	0.4	0.26	7.5					
4020	09395-213U-RES	318917.3	6258939.6	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09395	U	213	NCA17	53	48	45	36	0.4	0.26	7.5					
4021	09395-246D-RES	318608.3	6259284.2	12 BONAR STREET, TELOPEA 2117	RES	Residential		09395	D	246	NCA17	53	48	45	36	0.4	0.26	7.5					
4022	09395-043D-RES	318743.2	6259131.9	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09395	D	43	NCA17	53	48	45	36	0.4	0.26	7.5					
4023	09400-126D-RES	318693.2	6259198.2	10 TELOPEA STREET, TELOPEA 2117	RES	Residential		09400	D	126	NCA17	53	48	45	36	0.4	0.26	7.5					
4024	00940-013U-RES	314319.6	6257869.0	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00940	U	13	NCA05	59	54	53	52	0.4	0.26	7.5					
4025	09405-136D-RES	318698.1	6259214.9	12 TELOPEA STREET, TELOPEA 2117	RES	Residential		09405	D	136	NCA17	53	48	45	36	0.4	0.26	7.5					
4026	09405-198D-RES	318652.7	6259258.9	25 TELOPEA STREET, TELOPEA 2117	RES	Residential		09405	D	198	NCA17	53	48	45	36	0.4	0.26	7.5					
4027	09405-238D-RES	318632.4	6259294.0	26 WILKINSON LANE, TELOPEA 2117	RES	Residential		09405	D	238	NCA17	53	48	45	36	0.4	0.26	7.5					
4028	09405-259D-RES	318614.0	6259305.6	24 WILKINSON LANE, TELOPEA 2117	RES	Residential		09405	D	259	NCA17	53	48	45	36	0.4	0.26	7.5					
4029	09405-090D-RES	318721.7	6259175.7	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09405	D	90	NCA17	53	48	45	36	0.4	0.26	7.5					
4030	09410-208D-RES	318655.9	6259273.6	27 TELOPEA STREET, TELOPEA 2117	RES	Residential		09410	D	208	NCA17	53	48	45	36	0.4	0.26	7.5					
4031	09410-043D-RES	318759.0	6259145.7	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09410	D	43	NCA17	53	48	45	36	0.4	0.26	7.5					
4032	09410-059D-RES	318747.4	6259156.6	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09410	D	59	NCA17	53	48	45	36	0.4	0.26	7.5					
4033	09410-074D-RES	318738.9	6259169.1	73-75 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09410	D	74	NCA17	53	48	45	36	0.4	0.26	7.5					
4034	09415-113D-RES	318723.8	6259205.7	11 VIEW STREET, TELOPEA 2117	RES	Residential		09415	D	113	NCA17	53	48	45	36	0.4	0.26	7.5					
4035	09415-152U-RES	318883.7	6258989.9	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09415	U	152	NCA17	53	48	45	36	0.4	0.26	7.5					
4036	09415-229D-RES	318652.8	6259298.5	28 WILKINSON LANE, TELOPEA 2117	RES	Residential		09415	D	229	NCA17	53	48	45	36	0.4	0.26	7.5					
4037	09415-296D-RES	318612.3	6259351.6	31 WILKINSON LANE, TELOPEA 2117	RES	Residential		09415	D	296	NCA18	52	47	45	37	0.4	0.26	7.5					
4038	09420-213D-RES	318672.1	6259292.1	27A TELOPEA STREET, TELOPEA 2117	RES	Residential		09420	D	213	NCA17	53	48	45	36	0.4	0.26	7.5					
4039	09420-284D-RES	318629.6	6259349.4	33 WILKINSON LANE, TELOPEA 2117	RES	Residential		09420	D	284	NCA18	52	47	45	37	0.4	0.26	7.5					
4040	09425-272D-RES	318646.6	6259346.1	35 WILKINSON LANE, TELOPEA 2117	RES	Residential		09425	D	272	NCA18	52	47	45	37	0.4	0.26	7.5					
4041	09425-052U-RES	318827.3	6259073.5	14 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09425	U	52	NCA17	53	48	45	36	0.4	0.26	7.5					
4042	09425-096D-RES	318742.5	6259198.8	10 VIEW STREET, TELOPEA 2117	RES	Residential		09425	D	96	NCA17	53	48	45	36	0.4	0.26	7.5					
4043	09435-149D-RES	318726.6	6259251.5	1 VIEW STREET, TELOPEA 2117	RES	Residential		09435	D	149	NCA17	53	48	45	36	0.4	0.26	7.5					
4044	09435-256D-RES	318665.0	6259340.0	37 WILKINSON LANE, TELOPEA 2117	RES	Residential		09435	D	256	NCA18	52	47	45	37	0.4	0.26	7.5					
4045	09435-047D-RES	318779.7	6259164.8	77-79 ADDERTON ROAD, TELOPEA 2117	RES	Residential	3	09435	D	47	NCA17	53	48	45	36	0.4	0.26	7.5					
4046	09435-067U-RES	318843.0	6259065.9	16 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09435	U	67	NCA17	53	48	45	36	0.4	0.26	7.5					
4047	09435-081D-RES	318762.8	6259194.7	9 VIEW STREET, TELOPEA 2117	RES	Residential		09435	D	81	NCA17	53	48	45	36	0.4	0.26	7.5					
4048	09440-191D-RES	318709.6	6259291.1	28 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09440	D	191	NCA17	53	48	45	36	0.4	0.26	7.5					
4049	09440-080U-RES	318854.9	6259058.0	18 FIELD PLACE, TELOPEA 2117	RES	Residential	1	09440	U	80	NCA17	53	48	45	36	0.4	0.26	7.5					
4050	09445-134D-RES	318744.2	6259245.4	2 VIEW STREET, TELOPEA 2117	RES	Residential		09445	D	134	NCA17	53	48	45	36	0.4	0.26	7.5					
4051	09445-142U-RES	318889.5	6259005.7	6 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09445	U	142	NCA17	53	48	45	36	0.4	0.26	7.5					
4052	09445-244D-RES	318685.9	6259338.9	29 TELOPEA STREET, TELOPEA 2117	RES	Residential		09445	D	244	NCA18	52	47	45	37	0.4	0.26	7.5					
4053	09445-268D-RES	318680.2	6259362.7	31 TELOPEA STREET, TELOPEA 2117	RES	Residential		09445	D	268	NCA18	52	47	45	37	0.4	0.26	7.5					
4054	09450-292D-RES	318673.3	6259386.1	2 GRACE STREET, TELOPEA 2117	RES	Residential		09450	D	292	NCA18	52	47	45	37	0.4	0.26	7.5					
4055	09455-126D-RES	318763.1	6259246.8	3 VIEW STREET, TELOPEA 2117	RES	Residential		09455	D	126	NCA17	53	48	45	36	0.4	0.26	7.5					
4056	09455-178D-RES	318732.7	6259288.9	27 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09455	D	178	NCA17	53	48	45	36	0.4	0.26	7.5					
4057	09455-065D-RES	318790.5	6259192.3	8 VIEW STREET, TELOPEA 2117	RES	Residential	2	09455	D	65	NCA17	53	48	45	36	0.4	0.26	7.5					
4058	09460-167D-RES	318747.7	6259285.1	26A BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09460	D	167	NCA17	53	48	45	36	0.4	0.26	7.5					
4059	09460-197U-RES	318925.7	6258962.9	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09460	U	197	NCA17	53	48	45	36	0.4	0.26	7.5					
4060	09465-132U-RES	318895.8	6259020.5	8 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09465	U	132	NCA17	53	48	45	36	0.4	0.26	7.5					
4061	09465-161D-RES	318756.7	6259282.7	26 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09465	D	161	NCA17	53	48	45	36	0.4	0.26	7.5					
4062	09465-222D-RES	318726.2	6259335.6	1 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09465	D	222	NCA18	52	47	45	37	0.4	0.26	7.5					
4063	09465-277D-RES	318697.2	6259382.7	33 TELOPEA STREET, TELOPEA 2117	RES	Residential		09465	D	277	NCA18	52	47	45	37	0.4	0.26	7.5					
4064	09470-115D-RES	318782.3	6259244.6	4 VIEW STREET, TELOPEA 2117	RES	Residential		09470	D	115	NCA17	53	48	45	36	0.4	0.26	7.5					
4065	09470-064D-RES	318807.2	6259200.4	7 VIEW STREET, TELOPEA 2117	RES	Residential	1	09470	D	64	NCA17	53	48	45	36	0.4	0.26	7.5					
4066	09470-064U-RES	318866.0	6259082.6	3 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09470	U	64	NCA17	53	48	45	36	0.4	0.26	7.5					
4067	09475-122U-RES	318900.0	6259035.1	10 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09475	U	122	NCA17	53	48	45	36	0.4	0.26	7.5					
4068	09475-184U-RES	318929.2	6258980.0	7-9 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09475	U	184	NCA17	53	48	45	36	0.4	0.26	7.5					
4069	09480-153D-RES	318770.9	6259281.5	25 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09480	D	153	NCA17	53	48	45	36	0.4	0.26	7.5					
4070	09480-238D-RES	318734.0	6259358.2	18 TELOPEA STREET, TELOPEA 2117	RES	Residential		09480	D	238	NCA18	52	47	45	37	0.4	0.26	7.5					
4071	09480-247U-RES	318963.2	6258927.0	2 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09480	U	247	NCA17	53	48	45	36	0.4	0.26	7.5					
4072	09485-033U-RES	318865.0	6259116.4	5-7 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09485	U	33	NCA17	53	48	45	36	0.4	0.26	7.5					
4073	09485-041D-RES	318829.0	6259185.5	83 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09485	D	41	NCA17	53	48	45	36	0.4	0.26	7.5					
4074	09490-105D-RES	318805.7	6259245.4	5 VIEW STREET, TELOPEA 2117	RES	Residential		09490	D	105	NCA17	53	48	45	36	0.4	0.26	7.5					
4075	09490-111U-RES	318906.3	6259049.9	12 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09490	U	111	NCA17	53	48	45	36	0.4	0.26	7.5					
4076	09490-064U-RES	318887.6	6259093.3	5-7 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09490	U	64	NCA17	53	48	45	36	0.4	0.26	7.5					
4077	09490-080D-RES	318815.5	6259222.7	6 VIEW STREET, TELOPEA 2117	RES	Residential	1	09490	D	80	NCA17	53	48	45	36	0.4	0.26	7.5					
4078	09495-142D-RES	318789.0	6259279.2	24 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09495	D	142	NCA17	53	48	45	36	0.4	0.26	7.5					
4079	09495-253D-RES	318736.7	6259377.0	20B TELOPEA STREET, TELOPEA 2117	RES	Residential		09495	D	253	NCA18	52	47	45	37	0.4	0.26	7.5					
4080	09495-263U-RES	318984.0	6258919.0	19 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09495	U	263	NCA17	53	48	45	36	0.4	0.26	7.5					
4081	09500-171U-RES	318943.1	6259001.5	5 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09500	U	171	NCA17	53	48	45	36	0.4	0.26	7.5					
4082	09500-234U-RES	318974.3	6258947.4	4 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09500	U	234	NCA17	53	48	45	36	0.4	0.26	7.5					
4083	09500-261D-RES	318739.4	6259387.3	20C TELOPEA STREET, TELOPEA 2117	RES	Residential		09500	D	261	NCA18	52	47	45	37	0.4	0.26	7.5					
4084	00950-124U-RES	314370.0	6257769.4	35 PARK AVENUE, WESTMEAD 2145	RES	Residential		00950	U	124	NCA04	59	54	53	52	0.4	0.26	7.5					
4085	00950-028U-RES	314333.0	6257858.3	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00950	U	28	NCA05	59	54	53	52	0.4	0.26	7.5					
4086	09505-105U-RES	318915.8	6259062.6	14 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09505	U	105	NCA17	53	48	45	36	0.4	0.26	7.5					
4087	09505-283U-RES	319003.3	6258907.1	21 SHORTLAND STREET, TELOPEA 2117	RES	Residential		09505	U	283	NCA17	53	48	45	36	0.4	0.26	7.5					
4088	09510-132D-RES	318807.3	6259277.1	23 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09510	D	132	NCA17	53	48	45	36	0.4	0.26	7.5					
4089	09510-192D-RES	318782.7	6259332.4	3 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09510	D	192	NCA18	52	47	45	37	0.4	0.26	7.5					
4090	09510-247D-RES	318753.4	6259378.4	20A TELOPEA STREET, TELOPEA 2117	RES	Residential		09510	D	247	NCA18	52	47	45	37	0.4	0.26	7.5					
4091	09510-046D-RES	318848.6	6259202.0	85 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09510	D	46	NCA17	53	48	45	36	0.4	0.26	7.5					
4092	09515-102U-RES	318927.2	6259071.6	16 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09515	U	102	NCA17	53	48	45	36	0.4	0.26	7.5					
4093	09515-225U-RES	318982.6	6258961.9	6 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09515	U	225	NCA17	53	48	45	36	0.4	0.26	7.5					
4094	09515-033U-RES	318894.6	6259132.0	9-11 MARSHALL ROAD, TELOPEA 2117	RES	Residential	3	09515	U	33	NCA17	53	48	45	36	0.4	0.26	7.5					
4095	09520-158U-RES	318956.2	6259024.1	9 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09520	U	158	NCA17	53	48	45	36	0.4	0.26	7.5					
4096	09520-263D-RES	318755.6	6259398.2	22 TELOPEA STREET, TELOPEA 2117	RES	Residential		09520	D	263	NCA18	52	47	45	37	0.4	0.26	7.5					
4097	09520-062D-RES	318850.2	6259220.9	89 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09520	D	62	NCA17	53	48	45	36	0.4	0.26	7.5					
4098	00095-206U-RES	313944.2	6257318.4	11-13 CENTRAL AVENUE, WESTMEAD 2145	RES	Residential		00095	U	206	NCA03	61	56	53	48	0.4	0.26	7.5					
4099	09525-122D-RES	318825.4	6259275.8	22 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09525	D	122	NCA17	53	48	45	36	0.4	0.26	7.5					
4100	09525-269U-RES	319012.6	6258927.9	1 THE PARADE , TELOPEA 2117	RES	Residential		09525	U	269	NCA17	53	48	45	36	0.4	0.26	7.5					
4101	09525-053U-RES	318913.0	6259119.4	9-11 MARSHALL ROAD, TELOPEA 2117	RES	Residential	3	09525	U	53	NCA17	53	48	45	36	0.4	0.26	7.5					
4102	09530-182D-RES	318801.0	6259331.1	4 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09530	D	182	NCA18	52	47	45	37	0.4	0.26	7.5					
4103	09530-216U-RES	318990.6	6258975.8	8 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09530	U	216	NCA17	53	48	45	36	0.4	0.26	7.5					
4104	09530-273D-RES	318761.9	6259412.9	24 TELOPEA STREET, TELOPEA 2117	RES	Residential		09530	D	273	NCA18	52	47	45	37	0.4	0.26	7.5					
4105	09530-095U-RES	318937.0	6259084.3	18 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09530	U	95	NCA17	53	48	45	36	0.4	0.26	7.5					
4106	09535-110D-RES	318842.5	6259270.9	21A BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09535	D	110	NCA17	53	48	45	36	0.4	0.26	7.5					
4107	09535-153U-RES	318968.3	6259035.3	11 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09535	U	153	NCA17	53	48	45	36	0.4	0.26	7.5					
4108	09540-174D-RES	318814.1	6259328.3	5 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09540	D	174	NCA18	52	47	45	37	0.4	0.26	7.5					
4109	09540-209U-RES	318999.2	6258988.7	10 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09540	U	209	NCA17	53	48	45	36	0.4	0.26	7.5					
4110	09540-259U-RES	319020.4	6258943.6	3 THE PARADE , TELOPEA 2117	RES	Residential		09540	U	259	NCA17	53	48	45	36	0.4	0.26	7.5					
4111	09540-045D-RES	318877.5	6259216.1	87 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09540	D	45	NCA17	53	48	45	36	0.4	0.26	7.5					
4112	09545-170D-RES	318822.9	6259328.9	5 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09545	D	170	NCA18	52	47	45	37	0.4	0.26	7.5					
4113	09550-103D-RES	318859.6	6259272.4	20 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09550	D	103	NCA17	53	48	45	36	0.4	0.26	7.5					
4114	09550-198D-RES	318814.3	6259355.8	7 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09550	D	198	NCA18	52	47	45	37	0.4	0.26	7.5					
4115	09550-042U-RES	318927.0	6259139.1	13 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09550	U	42	NCA17	53	48	45	36	0.4	0.26	7.5					
4116	09550-095U-RES	318951.8	6259092.5	20 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09550	U	95	NCA17	53	48	45	36	0.4	0.26	7.5					
4117	09555-149U-RES	318981.0	6259046.8	13 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09555	U	149	NCA17	53	48	45	36	0.4	0.26	7.5					
4118	09555-161D-RES	318835.8	6259325.4	6 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09555	D	161	NCA18	52	47	45	37	0.4	0.26	7.5					
4119	09555-202U-RES	319008.6	6259001.4	12 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09555	U	202	NCA17	53	48	45	36	0.4	0.26	7.5					
4120	09555-252U-RES	319030.0	6258956.6	5 THE PARADE , TELOPEA 2117	RES	Residential		09555	U	252	NCA17	53	48	45	36	0.4	0.26	7.5					
4121	09555-061D-RES	318884.2	6259237.5	91-93 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09555	D	61	NCA17	53	48	45	36	0.4	0.26	7.5					
4122	09565-145U-RES	318992.4	6259058.4	15 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09565	U	145	NCA17	53	48	45	36	0.4	0.26	7.5					
4123	09565-196U-RES	319018.8	6259014.0	14 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09565	U	196	NCA17	53	48	45	36	0.4	0.26	7.5					
4124	09565-210D-RES	318818.6	6259371.3	8 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09565	D	210	NCA18	52	47	45	37	0.4	0.26	7.5					
4125	09565-245U-RES	319039.9	6258969.9	7 THE PARADE , TELOPEA 2117	RES	Residential		09565	U	245	NCA17	53	48	45	36	0.4	0.26	7.5					
4126	09565-043U-RES	318942.3	6259146.8	15 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09565	U	43	NCA17	53	48	45	36	0.4	0.26	7.5					
4127	09565-095U-RES	318965.2	6259099.9	22 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09565	U	95	NCA17	53	48	45	36	0.4	0.26	7.5					
4128	09575-239U-RES	319050.9	6258982.7	9 THE PARADE , TELOPEA 2117	RES	Residential		09575	U	239	NCA17	53	48	45	36	0.4	0.26	7.5					
4129	09575-095U-RES	318977.5	6259106.6	24 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09575	U	95	NCA17	53	48	45	36	0.4	0.26	7.5					
4130	09575-096D-RES	318878.9	6259274.7	19 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09575	D	96	NCA17	53	48	45	36	0.4	0.26	7.5					
4131	09580-143U-RES	319004.7	6259067.7	17 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09580	U	143	NCA17	53	48	45	36	0.4	0.26	7.5					
4132	09580-194U-RES	319031.2	6259024.0	16 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09580	U	194	NCA17	53	48	45	36	0.4	0.26	7.5					
4133	09580-300U-RES	319084.4	6258932.4	8 THE PARADE , TELOPEA 2117	RES	Residential		09580	U	300	NCA17	53	48	45	36	0.4	0.26	7.5					
4134	09580-044U-RES	318956.7	6259153.4	17 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09580	U	44	NCA17	53	48	45	36	0.4	0.26	7.5					
4135	09585-221D-RES	318820.2	6259385.8	9 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09585	D	221	NCA18	52	47	45	37	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
4136	09585-235U-RES	319062.0	6258994.1	11 THE PARADE , TELOPEA 2117	RES	Residential		09585	U	235	NCA17	53	48	45	36	0.4	0.26	7.5					
4137	09585-295U-RES	319097.1	6258945.2	10 THE PARADE , TELOPEA 2117	RES	Residential		09585	U	295	NCA17	53	48	45	36	0.4	0.26	7.5					
4138	09590-138U-RES	319016.6	6259080.0	19 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09590	U	138	NCA17	53	48	45	36	0.4	0.26	7.5					
4139	09590-190U-RES	319043.4	6259035.6	18 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09590	U	190	NCA17	53	48	45	36	0.4	0.26	7.5					
4140	09590-047U-RES	318970.5	6259159.4	19 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09590	U	47	NCA17	53	48	45	36	0.4	0.26	7.5					
4141	09590-096U-RES	318993.6	6259116.0	26 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09590	U	96	NCA17	53	48	45	36	0.4	0.26	7.5					
4142	09595-116D-RES	318881.3	6259299.8	18 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09595	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
4143	09595-233U-RES	319076.7	6259005.5	13 THE PARADE , TELOPEA 2117	RES	Residential		09595	U	233	NCA17	53	48	45	36	0.4	0.26	7.5					
4144	09595-291U-RES	319109.3	6258958.6	12 THE PARADE , TELOPEA 2117	RES	Residential		09595	U	291	NCA17	53	48	45	36	0.4	0.26	7.5					
4145	09600-143U-RES	319031.4	6259084.5	21 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09600	U	143	NCA17	53	48	45	36	0.4	0.26	7.5					
4146	09600-210U-RES	319070.0	6259029.4	15 THE PARADE , TELOPEA 2117	RES	Residential		09600	U	210	NCA17	53	48	45	36	0.4	0.26	7.5					
4147	09600-071D-RES	318908.8	6259264.0	95-97 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09600	D	71	NCA17	53	48	45	36	0.4	0.26	7.5					
4148	09600-099U-RES	319009.2	6259121.7	28 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09600	U	99	NCA17	53	48	45	36	0.4	0.26	7.5					
4149	00960-041U-RES	314347.3	6257850.1	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00960	U	41	NCA05	59	54	53	52	0.4	0.26	7.5					
4150	00960-004D-RES	314330.9	6257895.8	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00960	D	4	NCA05	59	54	53	52	0.4	0.26	7.5					
4151	09605-188U-RES	319064.1	6259052.6	20 FIG TREE AVENUE, TELOPEA 2117	RES	Residential		09605	U	188	NCA17	53	48	45	36	0.4	0.26	7.5					
4152	09605-286U-RES	319122.6	6258972.9	14 THE PARADE , TELOPEA 2117	RES	Residential		09605	U	286	NCA17	53	48	45	36	0.4	0.26	7.5					
4153	09605-048U-RES	318986.6	6259168.7	21 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09605	U	48	NCA17	53	48	45	36	0.4	0.26	7.5					
4154	09610-276U-RES	319128.0	6258989.8	16 THE PARADE , TELOPEA 2117	RES	Residential		09610	U	276	NCA17	53	48	45	36	0.4	0.26	7.5					
4155	09615-149U-RES	319055.1	6259093.5	17 THE PARADE , TELOPEA 2117	RES	Residential		09615	U	149	NCA17	53	48	45	36	0.4	0.26	7.5					
4156	09615-259U-RES	319124.8	6259008.7	18 THE PARADE , TELOPEA 2117	RES	Residential		09615	U	259	NCA17	53	48	45	36	0.4	0.26	7.5					
4157	09615-048D-RES	318931.7	6259252.9	95-97 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09615	D	48	NCA17	53	48	45	36	0.4	0.26	7.5					
4158	09620-131U-RES	319050.6	6259113.0	19 THE PARADE , TELOPEA 2117	RES	Residential		09620	U	131	NCA17	53	48	45	36	0.4	0.26	7.5					
4159	09625-132D-RES	318882.5	6259320.2	17 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09625	D	132	NCA18	52	47	45	37	0.4	0.26	7.5					
4160	09620-243U-RES	319121.2	6259026.5	20 THE PARADE , TELOPEA 2117	RES	Residential		09620	U	243	NCA17	53	48	45	36	0.4	0.26	7.5					
4161	09620-051U-RES	319001.5	6259176.5	23 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09620	U	51	NCA17	53	48	45	36	0.4	0.26	7.5					
4162	09620-096U-RES	319031.2	6259142.4	23 THE PARADE , TELOPEA 2117	RES	Residential		09620	U	96	NCA17	53	48	45	36	0.4	0.26	7.5					
4163	09625-114U-RES	319043.8	6259130.6	21 THE PARADE , TELOPEA 2117	RES	Residential		09625	U	114	NCA17	53	48	45	36	0.4	0.26	7.5					
4164	09625-213U-RES	319113.4	6259060.0	24 THE PARADE , TELOPEA 2117	RES	Residential		09625	U	213	NCA17	53	48	45	36	0.4	0.26	7.5					
4165	09625-227U-RES	319116.7	6259043.5	22 THE PARADE , TELOPEA 2117	RES	Residential		09625	U	227	NCA17	53	48	45	36	0.4	0.26	7.5					
4166	09625-291U-RES	319165.7	6259001.6	3 SOPHIE STREET, TELOPEA 2117	RES	Residential		09625	U	291	NCA17	53	48	45	36	0.4	0.26	7.5					
4167	09630-198U-RES	319109.5	6259076.0	26 THE PARADE , TELOPEA 2117	RES	Residential		09630	U	198	NCA17	53	48	45	36	0.4	0.26	7.5					
4168	09630-278U-RES	319162.6	6259016.6	5 SOPHIE STREET, TELOPEA 2117	RES	Residential		09630	U	278	NCA17	53	48	45	36	0.4	0.26	7.5					
4169	09635-184U-RES	319106.2	6259092.5	28 THE PARADE , TELOPEA 2117	RES	Residential		09635	U	184	NCA17	53	48	45	36	0.4	0.26	7.5					
4170	09635-265U-RES	319159.6	6259031.6	7 SOPHIE STREET, TELOPEA 2117	RES	Residential		09635	U	265	NCA17	53	48	45	36	0.4	0.26	7.5					
4171	09635-051U-RES	319013.6	6259188.1	25 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09635	U	51	NCA17	53	48	45	36	0.4	0.26	7.5					
4172	09635-057D-RES	318937.8	6259270.0	95-97 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09635	D	57	NCA17	53	48	45	36	0.4	0.26	7.5					
4173	09640-169U-RES	319102.9	6259109.4	30 THE PARADE , TELOPEA 2117	RES	Residential		09640	U	169	NCA17	53	48	45	36	0.4	0.26	7.5					
4174	09640-249U-CHC	319155.7	6259049.6	9 SOPHIE STREET, TELOPEA 2117	CHC	Childcare		09640	U	249	NCA17	50	50	50	50	0.4	0.4	7.5					
4175	09645-147D-RES	318879.2	6259338.1	16 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09645	D	147	NCA18	52	47	45	37	0.4	0.26	7.5					
4176	09645-155U-RES	319098.9	6259125.6	32 THE PARADE , TELOPEA 2117	RES	Residential		09645	U	155	NCA17	53	48	45	36	0.4	0.26	7.5					
4177	09645-233U-RES	319152.0	6259068.1	11 SOPHIE STREET, TELOPEA 2117	RES	Residential		09645	U	233	NCA17	53	48	45	36	0.4	0.26	7.5					
4178	09645-075D-RES	318931.0	6259288.5	99-101 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09645	D	75	NCA17	53	48	45	36	0.4	0.26	7.5					
4179	09650-121U-RES	319078.7	6259154.0	36 THE PARADE , TELOPEA 2117	RES	Residential		09650	U	121	NCA17	53	48	45	36	0.4	0.26	7.5					
4180	09650-139U-RES	319092.6	6259141.7	34 THE PARADE , TELOPEA 2117	RES	Residential		09650	U	139	NCA17	53	48	45	36	0.4	0.26	7.5					
4181	09650-219U-RES	319148.0	6259084.4	13 SOPHIE STREET, TELOPEA 2117	RES	Residential		09650	U	219	NCA17	53	48	45	36	0.4	0.26	7.5					
4182	09650-029U-RES	319010.7	6259215.9	27A MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09650	U	29	NCA17	53	48	45	36	0.4	0.26	7.5					
4183	09650-050U-RES	319025.9	6259201.0	27 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09650	U	50	NCA17	53	48	45	36	0.4	0.26	7.5					
4184	09650-099U-RES	319063.7	6259170.0	38 THE PARADE , TELOPEA 2117	RES	Residential		09650	U	99	NCA17	53	48	45	36	0.4	0.26	7.5					
4185	09655-206U-RES	319144.9	6259100.6	15 SOPHIE STREET, TELOPEA 2117	RES	Residential		09655	U	206	NCA17	53	48	45	36	0.4	0.26	7.5					
4186	09655-285U-RES	319207.9	6259052.3	8 SOPHIE STREET, TELOPEA 2117	RES	Residential		09655	U	285	NCA18	52	47	45	37	0.4	0.26	7.5					
4187	00965-052U-RES	314359.6	6257843.3	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00965	U	52	NCA05	59	54	53	52	0.4	0.26	7.5					
4188	09660-194U-RES	319144.8	6259117.2	17 SOPHIE STREET, TELOPEA 2117	RES	Residential		09660	U	194	NCA17	53	48	45	36	0.4	0.26	7.5					
4189	09660-050U-RES	319036.4	6259212.8	29 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09660	U	50	NCA17	53	48	45	36	0.4	0.26	7.5					
4190	09665-182U-RES	319142.6	6259133.9	19 SOPHIE STREET, TELOPEA 2117	RES	Residential		09665	U	182	NCA17	53	48	45	36	0.4	0.26	7.5					
4191	09665-298U-RES	319230.1	6259058.1	2 COOK STREET, TELOPEA 2117	RES	Residential		09665	U	298	NCA18	52	47	45	37	0.4	0.26	7.5					
4192	09665-090D-RES	318928.0	6259307.9	99-101 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09665	D	90	NCA18	52	47	45	37	0.4	0.26	7.5					
4193	09670-164D-RES	318872.0	6259355.8	15A BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09670	D	164	NCA18	52	47	45	37	0.4	0.26	7.5					
4194	09670-249U-RES	319199.0	6259096.5	10 SOPHIE STREET, TELOPEA 2117	RES	Residential		09670	U	249	NCA18	52	47	45	37	0.4	0.26	7.5					
4195	09675-016D-RES	318990.4	6259267.3	38 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09675	D	16	NCA17	53	48	45	36	0.4	0.26	7.5					
4196	09675-170U-RES	319139.6	6259149.5	21 SOPHIE STREET, TELOPEA 2117	RES	Residential		09675	U	170	NCA17	53	48	45	36	0.4	0.26	7.5					
4197	09680-100U-RES	319092.0	6259202.1	32 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09680	U	100	NCA17	53	48	45	36	0.4	0.26	7.5					
4198	09680-116D-RES	318912.4	6259329.7	103 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09680	D	116	NCA18	52	47	45	37	0.4	0.26	7.5					
4199	09680-142U-RES	319126.1	6259178.5	25 SOPHIE STREET, TELOPEA 2117	RES	Residential		09680	U	142	NCA17	53	48	45	36	0.4	0.26	7.5					
4200	09680-157U-RES	319135.2	6259164.5	23 SOPHIE STREET, TELOPEA 2117	RES	Residential		09680	U	157	NCA17	53	48	45	36	0.4	0.26	7.5					
4201	09680-232U-RES	319194.0	6259117.8	12 SOPHIE STREET, TELOPEA 2117	RES	Residential		09680	U	232	NCA18	52	47	45	37	0.4	0.26	7.5					
4202	09680-051U-RES	319049.2	6259226.4	31 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09680	U	51	NCA17	53	48	45	36	0.4	0.26	7.5					
4203	09685-216U-RES	319190.1	6259141.0	14A SOPHIE STREET, TELOPEA 2117	RES	Residential		09685	U	216	NCA18	52	47	45	37	0.4	0.26	7.5					
4204	09685-222U-RES	319191.7	6259131.9	14 SOPHIE STREET, TELOPEA 2117	RES	Residential		09685	U	222	NCA18	52	47	45	37	0.4	0.26	7.5					
4205	09685-022D-RES	318992.9	6259279.9	38 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09685	D	22	NCA17	53	48	45	36	0.4	0.26	7.5					
4206	09685-253U-RES	319219.4	6259118.4	1 COOK STREET, TELOPEA 2117	RES	Residential		09685	U	253	NCA18	52	47	45	37	0.4	0.26	7.5					
4207	09690-126U-RES	319118.2	6259194.4	27 SOPHIE STREET, TELOPEA 2117	RES	Residential		09690	U	126	NCA17	53	48	45	36	0.4	0.26	7.5					
4208	09690-053U-RES	319059.1	6259237.8	33 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09690	U	53	NCA17	53	48	45	36	0.4	0.26	7.5					
4209	09695-258U-RES	319233.9	6259129.5	3 COOK STREET, TELOPEA 2117	RES	Residential		09695	U	258	NCA18	52	47	45	37	0.4	0.26	7.5					
4210	09700-218U-RES	319207.0	6259163.0	2 FULLARTON STREET, TELOPEA 2117	RES	Residential		09700	U	218	NCA18	52	47	45	37	0.4	0.26	7.5					
4211	09700-263U-RES	319246.8	6259140.5	5 COOK STREET, TELOPEA 2117	RES	Residential		09700	U	263	NCA18	52	47	45	37	0.4	0.26	7.5					
4212	09700-091D-RES	318940.3	6259326.2	103 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09700	D	91	NCA18	52	47	45	37	0.4	0.26	7.5					
4213	09705-029D-RES	318995.3	6259297.6	40 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09705	D	29	NCA18	52	47	45	37	0.4	0.26	7.5					
4214	09705-053U-RES	319068.1	6259251.9	35 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09705	U	53	NCA17	53	48	45	36	0.4	0.26	7.5					
4215	00970-005U-RES	314345.3	6257888.1	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00970	U	5	NCA05	59	54	53	52	0.4	0.26	7.5					
4216	00970-067U-RES	314370.0	6257831.1	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00970	U	67	NCA05	59	54	53	52	0.4	0.26	7.5					
4217	09710-171U-RES	319174.8	6259200.6	1 FULLARTON STREET, TELOPEA 2117	RES	Residential		09710	U	171	NCA18	52	47	45	37	0.4	0.26	7.5					
4218	09710-225U-RES	319221.2	6259173.7	4 FULLARTON STREET, TELOPEA 2117	RES	Residential		09710	U	225	NCA18	52	47	45	37	0.4	0.26	7.5					
4219	09710-270U-RES	319259.5	6259149.9	7 COOK STREET, TELOPEA 2117	RES	Residential		09710	U	270	NCA18	52	47	45	37	0.4	0.26	7.5					
4220	09715-153U-RES	319162.5	6259215.9	18 SOPHIE STREET, TELOPEA 2117	RES	Residential		09715	U	153	NCA18	52	47	45	37	0.4	0.26	7.5					
4221	09715-231U-RES	319234.1	6259183.0	6 FULLARTON STREET, TELOPEA 2117	RES	Residential		09715	U	231	NCA18	52	47	45	37	0.4	0.26	7.5					
4222	09715-276U-RES	319271.7	6259158.8	9 COOK STREET, TELOPEA 2117	RES	Residential		09715	U	276	NCA18	52	47	45	37	0.4	0.26	7.5					
4223	09720-137U-RES	319152.2	6259230.8	20 SOPHIE STREET, TELOPEA 2117	RES	Residential		09720	U	137	NCA18	52	47	45	37	0.4	0.26	7.5					
4224	09720-180U-RES	319193.4	6259215.4	3 FULLARTON STREET, TELOPEA 2117	RES	Residential		09720	U	180	NCA18	52	47	45	37	0.4	0.26	7.5					
4225	09720-283U-RES	319284.3	6259167.8	11 COOK STREET, TELOPEA 2117	RES	Residential		09720	U	283	NCA18	52	47	45	37	0.4	0.26	7.5					
4226	09725-100U-RES	319124.2	6259256.1	34 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09725	U	100	NCA18	52	47	45	37	0.4	0.26	7.5					
4227	09725-106D-RES	318933.8	6259345.6	105 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09725	D	106	NCA18	52	47	45	37	0.4	0.26	7.5					
4228	09720-120U-RES	319139.7	6259242.6	22 SOPHIE STREET, TELOPEA 2117	RES	Residential		09720	U	120	NCA18	52	47	45	37	0.4	0.26	7.5					
4229	09725-239U-RES	319246.9	6259192.3	8 FULLARTON STREET, TELOPEA 2117	RES	Residential		09725	U	239	NCA18	52	47	45	37	0.4	0.26	7.5					
4230	09725-289U-RES	319294.8	6259175.2	13 COOK STREET, TELOPEA 2117	RES	Residential		09725	U	289	NCA18	52	47	45	37	0.4	0.26	7.5					
4231	09725-037D-RES	318996.9	6259316.0	42 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09725	D	37	NCA18	52	47	45	37	0.4	0.26	7.5					
4232	09725-049U-RES	319078.1	6259278.5	37-39 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09725	U	49	NCA18	52	47	45	37	0.4	0.26	7.5					
4233	09730-169D-RES	318877.8	6259375.0	14 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09730	D	169	NCA18	52	47	45	37	0.4	0.26	7.5					
4234	09730-187U-RES	319205.8	6259226.2	5 FULLARTON STREET, TELOPEA 2117	RES	Residential		09730	U	187	NCA18	52	47	45	37	0.4	0.26	7.5					
4235	09730-245U-RES	319257.9	6259199.8	10 FULLARTON STREET, TELOPEA 2117	RES	Residential		09730	U	245	NCA18	52	47	45	37	0.4	0.26	7.5					
4236	09730-295U-RES	319303.4	6259181.0	15 COOK STREET, TELOPEA 2117	RES	Residential		09730	U	295	NCA18	52	47	45	37	0.4	0.26	7.5					
4237	09735-250U-RES	319265.9	6259205.8	12 FULLARTON STREET, TELOPEA 2117	RES	Residential		09735	U	250	NCA18	52	47	45	37	0.4	0.26	7.5					
4238	09740-102U-RES	319134.6	6259274.8	36 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09740	U	102	NCA18	52	47	45	37	0.4	0.26	7.5					
4239	09740-193U-RES	319217.2	6259236.2	7 FULLARTON STREET, TELOPEA 2117	RES	Residential		09740	U	193	NCA18	52	47	45	37	0.4	0.26	7.5					
4240	09740-258U-RES	319277.2	6259212.6	14 FULLARTON STREET, TELOPEA 2117	RES	Residential		09740	U	258	NCA18	52	47	45	37	0.4	0.26	7.5					
4241	09740-048D-RES	318990.7	6259331.0	44 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09740	D	48	NCA18	52	47	45	37	0.4	0.26	7.5					
4242	09745-204U-RES	319230.5	6259241.2	9 FULLARTON STREET, TELOPEA 2117	RES	Residential		09745	U	204	NCA18	52	47	45	37	0.4	0.26	7.5					
4243	09745-266U-RES	319289.9	6259222.0	16 FULLARTON STREET, TELOPEA 2117	RES	Residential		09745	U	266	NCA18	52	47	45	37	0.4	0.26	7.5					
4244	09750-105U-RES	319142.8	6259288.5	38 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09750	U	105	NCA18	52	47	45	37	0.4	0.26	7.5					
4245	09750-209U-RES	319237.8	6259246.3	11 FULLARTON STREET, TELOPEA 2117	RES	Residential		09750	U	209	NCA18	52	47	45	37	0.4	0.26	7.5					
4246	09750-275U-RES	319302.3	6259230.4	18 FULLARTON STREET, TELOPEA 2117	RES	Residential		09750	U	275	NCA18	52	47	45	37	0.4	0.26	7.5					
4247	09755-215U-RES	319247.6	6259256.8	13 FULLARTON STREET, TELOPEA 2117	RES	Residential		09755	U	215	NCA18	52	47	45	37	0.4	0.26	7.5					
4248	09755-053D-RES	318990.9	6259343.7	46 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09755	D	53	NCA18	52	47	45	37	0.4	0.26	7.5					
4249	00975-081U-RES	314379.3	6257820.2	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00975	U	81	NCA05	59	54	53	52	0.4	0.26	7.5					
4250	09760-151U-RES	319190.4	6259286.0	9A LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09760	U	151	NCA18	52	47	45	37	0.4	0.26	7.5					
4251	09760-222U-RES	319259.2	6259267.2	15B FULLARTON STREET, TELOPEA 2117	RES	Residential		09760	U	222	NCA18	52	47	45	37	0.4	0.26	7.5					
4252	09760-232D-RES	318822.0	6259402.7	10 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09760	D	232	NCA18	52	47	45	37	0.4	0.26	7.5					
4253	09765-103U-RES	319146.5	6259305.3	40 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09765	U	103	NCA18	52	47	45	37	0.4	0.26	7.5					
4254	09765-136U-RES	319179.2	6259301.4	11 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09765	U	136	NCA18	52	47	45	37	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
4255	09765-172U-RES	319212.1	6259284.9	7 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09765	U	172	NCA18	52	47	45	37	0.4	0.26	7.5					
4256	09765-291U-RES	319326.2	6259251.3	20-24 FULLARTON STREET, TELOPEA 2117	RES	Residential		09765	U	291	NCA18	52	47	45	37	0.4	0.26	7.5					
4259	09770-186U-RES	319228.8	6259292.9	5 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09770	U	186	NCA18	52	47	45	37	0.4	0.26	7.5					
4260	09770-229U-RES	319269.6	6259277.7	17 FULLARTON STREET, TELOPEA 2117	RES	Residential		09770	U	229	NCA18	52	47	45	37	0.4	0.26	7.5					
4261	09770-027D-RES	319019.3	6259348.4	46 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09770	D	27	NCA18	52	47	45	37	0.4	0.26	7.5					
4262	09775-119D-RES	318931.7	6259375.1	107-111 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09775	D	119	NCA18	52	47	45	37	0.4	0.26	7.5					
4263	09775-241U-RES	319283.3	6259284.5	19 FULLARTON STREET, TELOPEA 2117	RES	Residential		09775	U	241	NCA18	52	47	45	37	0.4	0.26	7.5					
4264	09775-059D-RES	318989.2	6259360.0	48 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09775	D	59	NCA18	52	47	45	37	0.4	0.26	7.5					
4265	09780-104U-RES	319152.3	6259324.7	42 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09780	U	104	NCA18	52	47	45	37	0.4	0.26	7.5					
4266	09780-188U-RES	319235.4	6259309.1	3A LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09780	U	188	NCA18	52	47	45	37	0.4	0.26	7.5					
4267	09780-263U-RES	319308.3	6259293.8	21 FULLARTON STREET, TELOPEA 2117	RES	Residential		09780	U	263	NCA18	52	47	45	37	0.4	0.26	7.5					
4268	09785-134U-RES	319183.2	6259327.3	13 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09785	U	134	NCA18	52	47	45	37	0.4	0.26	7.5					
4269	09785-175D-RES	318877.6	6259393.0	13 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09785	D	175	NCA18	52	47	45	37	0.4	0.26	7.5					
4270	09785-199U-RES	319247.7	6259316.5	1A LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09785	U	199	NCA18	52	47	45	37	0.4	0.26	7.5					
4271	09785-244U-RES	319292.1	6259308.6	9 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09785	U	244	NCA18	52	47	45	37	0.4	0.26	7.5					
4272	09790-101U-RES	319152.7	6259341.9	44 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09790	U	101	NCA18	52	47	45	37	0.4	0.26	7.5					
4273	09790-145D-RES	318908.0	6259388.5	107-111 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09790	D	145	NCA18	52	47	45	37	0.4	0.26	7.5					
4274	09790-203U-RES	319253.5	6259322.4	1 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09790	U	203	NCA18	52	47	45	37	0.4	0.26	7.5					
4275	09790-228U-RES	319278.0	6259322.2	11 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09790	U	228	NCA18	52	47	45	37	0.4	0.26	7.5					
4276	09795-142U-RES	319194.9	6259344.5	15A LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09795	U	142	NCA18	52	47	45	37	0.4	0.26	7.5					
4277	09800-213U-RES	319266.3	6259339.3	13 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09800	U	213	NCA18	52	47	45	37	0.4	0.26	7.5					
4278	09800-044D-RES	319008.2	6259376.9	50 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09800	D	44	NCA18	52	47	45	37	0.4	0.26	7.5					
4279	09800-055U-RES	319109.9	6259363.8	49 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09800	U	55	NCA18	52	47	45	37	0.4	0.26	7.5					
4280	09805-100U-RES	319155.0	6259361.6	46 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09805	U	100	NCA18	52	47	45	37	0.4	0.26	7.5					
4281	09805-153U-RES	319207.6	6259353.0	17A LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09805	U	153	NCA18	52	47	45	37	0.4	0.26	7.5					
4282	09810-166U-RES	319221.5	6259361.2	19 LARRA PLACE, DUNDAS VALLEY 2117	RES	Residential		09810	U	166	NCA18	52	47	45	37	0.4	0.26	7.5					
4283	09815-101U-RES	319157.8	6259378.2	48 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09815	U	101	NCA18	52	47	45	37	0.4	0.26	7.5					
4284	09815-187U-RES	319243.8	6259370.5	15 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09815	U	187	NCA18	52	47	45	37	0.4	0.26	7.5					
4285	09815-046U-RES	319103.3	6259380.8	51 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09815	U	46	NCA18	52	47	45	37	0.4	0.26	7.5					
4286	09815-078D-RES	318976.2	6259394.3	52 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09815	D	78	NCA18	52	47	45	37	0.4	0.26	7.5					
4287	09820-125D-RES	318929.0	6259398.4	107-111 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09820	D	125	NCA18	52	47	45	37	0.4	0.26	7.5					
4288	09825-102U-RES	319159.8	6259393.9	50 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09825	U	102	NCA18	52	47	45	37	0.4	0.26	7.5					
4289	09825-174U-RES	319231.2	6259386.8	17 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09825	U	174	NCA18	52	47	45	37	0.4	0.26	7.5					
4290	09825-042D-RES	319012.1	6259399.2	50 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09825	D	42	NCA18	52	47	45	37	0.4	0.26	7.5					
4291	09825-050U-RES	319108.0	6259394.6	53 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09825	U	50	NCA18	52	47	45	37	0.4	0.26	7.5					
4292	09830-159U-RES	319216.8	6259397.5	19 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09830	U	159	NCA18	52	47	45	37	0.4	0.26	7.5					
4293	09830-019D-RES	319035.7	6259401.4	50 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09830	D	19	NCA18	52	47	45	37	0.4	0.26	7.5					
4294	09835-033U-RES	319091.4	6259407.3	55 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09835	U	33	NCA18	52	47	45	37	0.4	0.26	7.5					
4295	09835-054U-RES	319112.2	6259409.0	55 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09835	U	54	NCA18	52	47	45	37	0.4	0.26	7.5					
4296	09840-100U-RES	319157.7	6259410.8	52 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09840	U	100	NCA18	52	47	45	37	0.4	0.26	7.5					
4297	09840-153U-RES	319211.4	6259412.2	21 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09840	U	153	NCA18	52	47	45	37	0.4	0.26	7.5					
4298	09845-066D-RES	318987.7	6259414.4	54 ADDERTON ROAD, TELOPEA 2117	RES	Residential	1	09845	D	66	NCA18	52	47	45	37	0.4	0.26	7.5					
4299	09850-148U-RES	319206.0	6259426.8	23 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09850	U	148	NCA18	52	47	45	37	0.4	0.26	7.5					
4300	09850-032D-RES	319022.4	6259418.2	50 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09850	D	32	NCA18	52	47	45	37	0.4	0.26	7.5					
4301	09850-033U-RES	319090.4	6259423.6	57 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09850	U	33	NCA18	52	47	45	37	0.4	0.26	7.5					
4302	09850-053U-RES	319110.7	6259426.9	57 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09850	U	53	NCA18	52	47	45	37	0.4	0.26	7.5					
4303	09850-099U-RES	319157.0	6259425.7	54 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09850	U	99	NCA18	52	47	45	37	0.4	0.26	7.5					
4304	00985-015U-RES	314360.7	6257884.7	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00985	U	15	NCA05	59	54	53	52	0.4	0.26	7.5					
4305	09855-145U-RES	319202.0	6259437.6	25 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09855	U	145	NCA18	52	47	45	37	0.4	0.26	7.5					
4306	00985-095U-RES	314390.8	6257809.5	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00985	U	95	NCA05	59	54	53	52	0.4	0.26	7.5					
4307	09860-101U-RES	319156.8	6259443.3	56 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09860	U	101	NCA18	52	47	45	37	0.4	0.26	7.5					
4308	09860-144U-RES	319200.0	6259445.4	25A BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09860	U	144	NCA18	52	47	45	37	0.4	0.26	7.5					
4309	09865-142U-RES	319197.3	6259454.6	27 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09865	U	142	NCA18	52	47	45	37	0.4	0.26	7.5					
4310	09865-044U-RES	319100.2	6259441.4	59 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09865	U	44	NCA18	52	47	45	37	0.4	0.26	7.5					
4311	09870-136D-RES	318917.2	6259423.0	113 ADDERTON ROAD, TELOPEA 2117	RES	Residential		09870	D	136	NCA18	52	47	45	37	0.4	0.26	7.5					
4312	09870-140U-RES	319193.7	6259465.2	29 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09870	U	140	NCA18	52	47	45	37	0.4	0.26	7.5					
4313	09870-050D-RES	319002.3	6259433.5	56 ADDERTON ROAD, TELOPEA 2117	RES	Residential	2	09870	D	50	NCA18	52	47	45	37	0.4	0.26	7.5					
4314	09870-097U-RES	319151.3	6259458.1	58 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09870	U	97	NCA18	52	47	45	37	0.4	0.26	7.5					
4315	09875-175D-RES	318877.9	6259417.8	12 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09875	D	175	NCA18	52	47	45	37	0.4	0.26	7.5					
4316	09875-044U-RES	319097.8	6259455.1	61 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09875	U	44	NCA18	52	47	45	37	0.4	0.26	7.5					
4317	09880-141U-RES	319192.8	6259478.6	31 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09880	U	141	NCA18	52	47	45	37	0.4	0.26	7.5					
4318	09880-256U-RES	319305.2	6259501.2	16 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09880	U	256	NCA18	52	47	45	37	0.4	0.26	7.5					
4319	09885-235U-RES	319284.5	6259499.3	18 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09885	U	235	NCA18	52	47	45	37	0.4	0.26	7.5					
4320	09885-095U-RES	319146.0	6259474.8	60 MARSHALL ROAD, TELOPEA 2117	RES	Residential		09885	U	95	NCA18	52	47	45	37	0.4	0.26	7.5					
4321	09890-142U-RES	319190.7	6259494.0	33 BRAND STREET, DUNDAS VALLEY 2117	RES	Residential		09890	U	142	NCA18	52	47	45	37	0.4	0.26	7.5					
4322	09890-273U-RES	319318.3	6259523.6	14 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09890	U	273	NCA18	52	47	45	37	0.4	0.26	7.5					
4323	09890-046D-RES	319003.4	6259451.3	60 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	09890	D	46	NCA18	52	47	45	37	0.4	0.26	7.5					
4324	09890-047U-RES	319098.5	6259469.3	63 MARSHALL ROAD, TELOPEA 2117	RES	Residential	1	09890	U	47	NCA18	52	47	45	37	0.4	0.26	7.5					
4325	09895-227U-RES	319271.4	6259518.0	20B MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09895	U	227	NCA18	52	47	45	37	0.4	0.26	7.5					
4326	09900-118U-RES	319163.1	6259502.2	2 HOWARD STREET, CARLINGFORD 2118	RES	Residential		09900	U	118	NCA18	52	47	45	37	0.4	0.26	7.5					
4327	09900-140U-RES	319183.7	6259511.6	4 HOWARD STREET, CARLINGFORD 2118	RES	Residential		09900	U	140	NCA18	52	47	45	37	0.4	0.26	7.5					
4328	09900-276U-RES	319314.7	6259546.3	12 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09900	U	276	NCA18	52	47	45	37	0.4	0.26	7.5					
4329	09900-095U-RES	319141.5	6259495.3	62 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		09900	U	95	NCA18	52	47	45	37	0.4	0.26	7.5					
4330	00990-108U-RES	314402.4	6257800.2	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00990	U	108	NCA05	59	54	53	52	0.4	0.26	7.5					
4331	09905-129D-RES	318921.0	6259438.4	125 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09905	D	129	NCA18	52	47	45	37	0.4	0.26	7.5					
4332	09905-230U-RES	319268.2	6259543.8	22 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09905	U	230	NCA18	52	47	45	37	0.4	0.26	7.5					
4333	09905-045U-RES	319092.2	6259486.4	65 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09905	U	45	NCA18	52	47	45	37	0.4	0.26	7.5					
4334	09910-272U-RES	319306.3	6259562.4	10 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09910	U	272	NCA18	52	47	45	37	0.4	0.26	7.5					
4335	09915-042U-RES	319084.8	6259500.7	67 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	09915	U	42	NCA18	52	47	45	37	0.4	0.26	7.5					
4336	09920-197D-RES	318853.8	6259426.4	11 BARRAWINGA STREET, TELOPEA 2117	RES	Residential		09920	D	197	NCA18	52	47	45	37	0.4	0.26	7.5					
4337	09920-270U-RES	319298.6	6259578.3	8 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09920	U	270	NCA18	52	47	45	37	0.4	0.26	7.5					
4338	09925-129D-RES	318915.9	6259453.2	127 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09925	D	129	NCA18	52	47	45	37	0.4	0.26	7.5					
4339	09930-116U-RES	319149.4	6259540.5	3 HOWARD STREET, CARLINGFORD 2118	RES	Residential		09930	U	116	NCA18	52	47	45	37	0.4	0.26	7.5					
4340	09930-137U-RES	319168.5	6259548.9	5 HOWARD STREET, CARLINGFORD 2118	RES	Residential		09930	U	137	NCA18	52	47	45	37	0.4	0.26	7.5					
4341	09930-294U-RES	319317.1	6259600.7	5 LACHLAN GROVE, CARLINGFORD 2118	RES	Residential		09930	U	294	NCA18	52	47	45	37	0.4	0.26	7.5					
4342	09930-043U-RES	319080.5	6259514.1	69 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	09930	U	43	NCA18	52	47	45	37	0.4	0.26	7.5					
4343	09930-094U-RES	319129.5	6259530.4	1 HOWARD STREET, CARLINGFORD 2118	RES	Residential		09930	U	94	NCA18	52	47	45	37	0.4	0.26	7.5					
4344	09935-270U-RES	319292.8	6259595.3	6 MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09935	U	270	NCA18	52	47	45	37	0.4	0.26	7.5					
4345	09935-049D-RES	318989.1	6259487.6	60 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential	1	09935	D	49	NCA18	52	47	45	37	0.4	0.26	7.5					
4346	09945-130D-RES	318909.8	6259468.6	129 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09945	D	130	NCA18	52	47	45	37	0.4	0.26	7.5					
4348	09945-046U-RES	319078.2	6259529.4	71 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	09945	U	46	NCA18	52	47	45	37	0.4	0.26	7.5					
4349	09950-140U-RES	319164.2	6259570.1	35 BRAND STREET, CARLINGFORD 2118	RES	Residential		09950	U	140	NCA18	52	47	45	37	0.4	0.26	7.5					
4350	09950-296U-RES	319310.4	6259621.9	4 LACHLAN GROVE, CARLINGFORD 2118	RES	Residential		09950	U	296	NCA18	52	47	45	37	0.4	0.26	7.5					
4351	09950-090U-RES	319117.5	6259551.1	64 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		09950	U	90	NCA18	52	47	45	37	0.4	0.26	7.5					
4352	00995-121D-MED	314314.5	6258016.0	7 HAINSWORTH STREET, WESTMEAD 2145	MED	Medical		00995	D	121	NCA05	65	65	65	65	0.8	0.8	7.5		Cumberland Hospital	Tribunal		
4353	00995-026U-RES	314372.7	6257877.5	7 HAINSWORTH STREET, WESTMEAD 2145	RES	Residential	1	00995	U	26	NCA05	59	54	53	52	0.4	0.26	7.5					
4354	09960-257U-RES	319269.4	6259620.3	2A MCKILLOP PLACE, CARLINGFORD 2118	RES	Residential		09960	U	257	NCA18	52	47	45	37	0.4	0.26	7.5					
4355	09960-279D-RES	318765.7	6259428.0	26 TELOPEA STREET, TELOPEA 2117	RES	Residential		09960	D	279	NCA18	52	47	45	37	0.4	0.26	7.5					
4356	09960-042U-RES	319069.3	6259543.9	73 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	1	09960	U	42	NCA18	52	47	45	37	0.4	0.26	7.5					
4357	09965-119D-RES	318912.9	6259491.4	131-133 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09965	D	119	NCA18	52	47	45	37	0.4	0.26	7.5					
4358	09965-050D-RES	318978.5	6259513.3	64 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09965	D	50	NCA18	52	47	45	37	0.4	0.26	7.5					
4359	09965-091U-RES	319112.5	6259567.6	66 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		09965	U	91	NCA18	52	47	45	37	0.4	0.26	7.5					
4360	09970-138U-RES	319156.0	6259584.6	37 BRAND STREET, CARLINGFORD 2118	RES	Residential		09970	U	138	NCA18	52	47	45	37	0.4	0.26	7.5					
4361	09970-298U-RES	319304.9	6259643.9	3 LACHLAN GROVE, CARLINGFORD 2118	RES	Residential		09970	U	298	NCA18	52	47	45	37	0.4	0.26	7.5					
4362	09975-205U-RES	319216.2	6259614.9	36 BRAND STREET, CARLINGFORD 2118	RES	Residential		09975	U	205	NCA18	52	47	45	37	0.4	0.26	7.5					
4363	09975-271D-RES	318767.8	6259445.2	28 TELOPEA STREET, TELOPEA 2117	RES	Residential		09975	D	271	NCA18	52	47	45	37	0.4	0.26	7.5					
4364	09975-043U-RES	319063.9	6259558.8	75 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	09975	U	43	NCA18	52	47	45	37	0.4	0.26	7.5					
4365	09980-145D-RES	318883.1	6259496.3	131-133 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09980	D	145	NCA18	52	47	45	37	0.4	0.26	7.5					
4366	09985-135U-RES	319147.9	6259598.7	39 BRAND STREET, CARLINGFORD 2118	RES	Residential		09985	U	135	NCA18	52	47	45	37	0.4	0.26	7.5					
4369	09985-093U-RES	319108.6	6259582.8	68 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential		09985	U	93	NCA18	52	47	45	37	0.4	0.26	7.5					
4370	09990-248U-RES	319250.9	6259644.6	28 CAPTAIN STROM PLACE, CARLINGFORD 2118	RES	Residential		09990	U	248	NCA18	52	47	45	37	0.4	0.26	7.5					
4371	09990-041U-RES	319057.8	6259571.9	77 MARSHALL ROAD, CARLINGFORD 2118	RES	Residential	2	09990	U	41	NCA18	52	47	45	37	0.4	0.26	7.5					
4372	09995-112D-RES	318909.4	6259519.9	131-133 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09995	D	112	NCA18	52	47	45	37	0.4	0.26	7.5					
5001	00000-299D-RES	313474.5	6257152.3	20 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	299	NCA01	59	54	52	42	0.4	0.26	7.5					
5002	00000-304D-RES	313504.5	6257109.8	3 MOREE AVENUE, WESTMEAD 2145	RES	Residential		00000	D	304	NCA01	59	54	52	42	0.4	0.26	7.5					
5003	00000-304U-RES	313778.3	6257029.2	37 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	304	NCA01	59	54	52	42	0.4	0.26	7.5					
5004	00000-307D-RES	313415.2	6257266.3	41 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	307	NCA01	59	54	52	42	0.4	0.26	7.5					
5005	00000-307U-RES	313947.1	6257122.6	6 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	307	NCA01	59	54	52	42	0.4	0.26	7.5					
5006	00000-308D-RES	313429.6	6257215.2	27 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	308	NCA01	59	54	52	42	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5007	00000-311D-RES	313459.1	6257153.2	22 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	311	NCA01	59	54	52	42	0.4	0.26	7.5					
5008	00000-314U-RES	313931.0	6257096.5	9-11 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	314	NCA01	59	54	52	42	0.4	0.26	7.5					
5009	00000-314U-RES	313876.2	6257055.5	20 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	314	NCA01	59	54	52	42	0.4	0.26	7.5					
5010	00000-316D-RES	313489.0	6257109.1	5 MOREE AVENUE, WESTMEAD 2145	RES	Residential		00000	D	316	NCA01	59	54	52	42	0.4	0.26	7.5					
5011	00000-319D-RES	313401.0	6257276.1	42 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	319	NCA01	59	54	52	42	0.4	0.26	7.5					
5012	00000-320D-RES	313415.8	6257216.1	29 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	320	NCA01	59	54	52	42	0.4	0.26	7.5					
5013	00000-322D-RES	313444.0	6257156.1	24 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	322	NCA01	59	54	52	42	0.4	0.26	7.5					
5014	00000-323U-RES	313836.3	6257026.5	34-38 HASSALL STREET, WESTMEAD 2145	RES	Residential		00000	U	323	NCA01	59	54	52	42	0.4	0.26	7.5					
5015	00000-332U-RES	313962.8	6257102.7	4 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	332	NCA01	59	54	52	42	0.4	0.26	7.5					
5016	00000-333D-RES	313429.7	6257157.9	26 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	333	NCA01	59	54	52	42	0.4	0.26	7.5					
5017	00000-334U-RES	313897.8	6257045.8	18 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	334	NCA01	59	54	52	42	0.4	0.26	7.5					
5018	00000-337D-RES	313399.8	6257210.9	31 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	337	NCA01	59	54	52	42	0.4	0.26	7.5					
5019	00000-346U-RES	313980.2	6257101.6	3 ALEXANDRA AVENUE, WESTMEAD 2145	RES	Residential		00000	U	346	NCA01	59	54	52	42	0.4	0.26	7.5					
5020	00000-347D-RES	313412.6	6257160.1	28 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	347	NCA01	59	54	52	42	0.4	0.26	7.5					
5021	00000-349U-RES	313878.0	6257017.1	9-11 PRIDDLE STREET, WESTMEAD 2145	RES	Residential		00000	U	349	NCA01	59	54	52	42	0.4	0.26	7.5					
5022	00000-351D-RES	313385.2	6257210.0	33 GRAND AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	351	NCA01	59	54	52	42	0.4	0.26	7.5					
5023	00000-351U-RES	313921.2	6257041.6	10-12 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	351	NCA01	59	54	52	42	0.4	0.26	7.5					
5024	00000-361D-RES	313398.1	6257157.4	30 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	361	NCA01	59	54	52	42	0.4	0.26	7.5					
5025	00000-364D-RES	313369.4	6257214.4	35 GRAND AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	364	NCA01	59	54	52	42	0.4	0.26	7.5					
5026	00000-368U-RES	314000.6	6257091.4	1 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	368	NCA01	59	54	52	42	0.4	0.26	7.5					
5027	00000-372D-RES	313383.0	6257162.4	32 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	372	NCA01	59	54	52	42	0.4	0.26	7.5					
5028	00000-372U-RES	313910.5	6257009.2	5-7 PRIDDLE STREET, WESTMEAD 2145	RES	Residential		00000	U	372	NCA01	59	54	52	42	0.4	0.26	7.5					
5029	00000-375U-RES	313958.5	6257039.6	2-8 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	375	NCA01	59	54	52	42	0.4	0.26	7.5					
5030	00000-381D-RES	313353.0	6257210.9	37 GRAND AVENUE, WESTMEAD 2145	RES	Residential	1	00000	D	381	NCA01	59	54	52	42	0.4	0.26	7.5					
5031	00000-387D-RES	313367.8	6257157.9	34 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	387	NCA01	59	54	52	42	0.4	0.26	7.5					
5032	00000-401D-RES	313352.3	6257159.6	36 GRAND AVENUE, WESTMEAD 2145	RES	Residential		00000	D	401	NCA01	59	54	52	42	0.4	0.26	7.5					
5033	00000-402U-RES	313944.8	6256994.8	2-8 BAILEY STREET, WESTMEAD 2145	RES	Residential		00000	U	402	NCA01	59	54	52	42	0.4	0.26	7.5					
5034	10010-309D-RES	318719.9	6259463.1	39 TELOPEA STREET, TELOPEA 2117	RES	Residential		10010	D	309	NCA18	52	47	45	37	0.4	0.26	7.5					
5035	10030-316D-RES	318705.2	6259481.8	1 ADINA STREET, TELOPEA 2117	RES	Residential		10030	D	316	NCA18	52	47	45	37	0.4	0.26	7.5					
5036	00100-370D-EDU	313429.3	6257584.2	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00100	D	370	NCA02	55	55	55	55	0.8	0.8	7.5					
5037	10065-310U-RES	319282.1	6259736.9	62 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10065	U	310	NCA18	52	47	45	37	0.4	0.26	7.5					
5038	10085-300D-RES	318700.7	6259540.4	4 ADINA STREET, TELOPEA 2117	RES	Residential		10085	D	300	NCA18	52	47	45	37	0.4	0.26	7.5					
5039	10095-314D-RES	318684.6	6259543.0	6 ADINA STREET, TELOPEA 2117	RES	Residential		10095	D	314	NCA18	52	47	45	37	0.4	0.26	7.5					
5040	10110-321U-RES	319276.9	6259783.0	58 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10110	U	321	NCA18	52	47	45	37	0.4	0.26	7.5					
5041	10175-305D-RES	318654.8	6259669.1	7 HOMELANDS AVENUE, CARLINGFORD 2118	RES	Residential		10175	D	305	NCA18	52	47	45	37	0.4	0.26	7.5					
5042	10215-322D-RES	318627.1	6259747.0	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10215	D	322	NCA18	52	47	45	37	0.4	0.26	7.5					
5043	10275-306D-RES	318651.3	6259882.3	264-268 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10275	D	306	NCA18	52	47	45	37	0.4	0.26	7.5					
5044	10300-373D-RES	318599.7	6259956.2	209 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10300	D	373	NCA19	62	57	52	44	0.4	0.26	7.5					
5045	10300-387D-RES	318585.1	6259957.2	207 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10300	D	387	NCA19	62	57	52	44	0.4	0.26	7.5					
5046	10310-356D-RES	318619.3	6259963.8	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10310	D	356	NCA19	62	57	52	44	0.4	0.26	7.5					
5047	10330-307D-RES	318674.1	6259973.8	217 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10330	D	307	NCA19	62	57	52	44	0.4	0.26	7.5					
5048	10335-332D-RES	318650.4	6259983.2	213-215 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10335	D	332	NCA19	62	57	52	44	0.4	0.26	7.5					
5049	10335-359D-RES	318625.7	6259994.4	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10335	D	359	NCA19	62	57	52	44	0.4	0.26	7.5					
5050	10335-382D-RES	318603.2	6259999.7	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10335	D	382	NCA19	62	57	52	44	0.4	0.26	7.5					
5051	10355-386D-RES	318605.7	6260020.6	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10355	D	386	NCA19	62	57	52	44	0.4	0.26	7.5					
5052	10360-359D-RES	318631.3	6260014.5	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10360	D	359	NCA19	62	57	52	44	0.4	0.26	7.5					
5053	10375-368D-RES	318628.5	6260035.7	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10375	D	368	NCA19	62	57	52	44	0.4	0.26	7.5					
5054	10385-322D-RES	318675.6	6260031.3	9 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10385	D	322	NCA19	62	57	52	44	0.4	0.26	7.5					
5055	10400-359D-RES	318644.3	6260056.6	5 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10400	D	359	NCA19	62	57	52	44	0.4	0.26	7.5					
5056	10400-401D-RES	318604.2	6260067.2	1 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10400	D	401	NCA19	62	57	52	44	0.4	0.26	7.5					
5057	10405-379D-RES	318626.6	6260066.7	3 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10405	D	379	NCA19	62	57	52	44	0.4	0.26	7.5					
5058	10410-327D-RES	318677.9	6260054.0	9 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10410	D	327	NCA19	62	57	52	44	0.4	0.26	7.5					
5059	10420-323U-RES	319304.8	6259870.0	33 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10420	U	323	NCA18	52	47	45	37	0.4	0.26	7.5					
5060	10430-314U-RES	319299.4	6259883.0	31 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10430	U	314	NCA18	52	47	45	37	0.4	0.26	7.5					
5061	10450-408D-RES	318612.7	6260117.6	2 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10450	D	408	NCA19	62	57	52	44	0.4	0.26	7.5					
5062	10455-313D-RES	318707.4	6260103.2	12 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10455	D	313	NCA19	62	57	52	44	0.4	0.26	7.5					
5063	10455-331D-RES	318690.2	6260107.4	10 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10455	D	331	NCA19	62	57	52	44	0.4	0.26	7.5					
5064	10455-349D-RES	318672.0	6260111.2	8 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10455	D	349	NCA19	62	57	52	44	0.4	0.26	7.5					
5065	10455-368D-RES	318653.1	6260112.3	6 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10455	D	368	NCA19	62	57	52	44	0.4	0.26	7.5					
5066	10455-386D-RES	318634.8	6260114.3	4 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10455	D	386	NCA19	62	57	52	44	0.4	0.26	7.5					
5067	10460-370D-RES	318657.3	6260131.3	6A PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10460	D	370	NCA19	62	57	52	44	0.4	0.26	7.5					
5068	10465-357D-RES	318671.3	6260132.5	8 PLEASANT COURT, CARLINGFORD 2118	RES	Residential		10465	D	357	NCA19	62	57	52	44	0.4	0.26	7.5					
5069	10470-312D-RES	318721.9	6260137.6	18A FELTON ROAD, CARLINGFORD 2118	RES	Residential		10470	D	312	NCA19	62	57	52	44	0.4	0.26	7.5					
5070	10470-375D-RES	318664.3	6260163.4	26 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10470	D	375	NCA19	62	57	52	44	0.4	0.26	7.5					
5071	10470-389D-RES	318651.8	6260169.8	28 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10470	D	389	NCA19	62	57	52	44	0.4	0.26	7.5					
5072	10470-405D-RES	318634.6	6260171.7	30 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10470	D	405	NCA19	62	57	52	44	0.4	0.26	7.5					
5073	10495-308U-RES	319306.3	6259925.1	25 HONITON AVENUE-EAST, CARLINGFORD 2118	RES	Residential		10495	U	308	NCA18	52	47	45	37	0.4	0.26	7.5					
5074	10495-322U-RES	319321.2	6259927.5	23 HONITON AVENUE-EAST, CARLINGFORD 2118	RES	Residential		10495	U	322	NCA18	52	47	45	37	0.4	0.26	7.5					
5075	10520-344D-RES	318697.3	6260163.7	22 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10520	D	344	NCA19	62	57	52	44	0.4	0.26	7.5					
5076	10520-359U-RES	318682.3	6260165.8	24 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10520	U	359	NCA19	62	57	52	44	0.4	0.26	7.5					
5077	10525-325U-RES	318717.1	6260160.9	20 FELTON ROAD, CARLINGFORD 2118	RES	Residential		10525	U	325	NCA19	62	57	52	44	0.4	0.26	7.5					
5078	10555-305U-EDU	318754.5	6260209.7	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10555	U	305	NCA19	55	55	55	55	0.8	0.8	7.5					
5079	10560-359U-EDU	318710.4	6260243.9	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10560	U	359	NCA19	55	55	55	55	0.8	0.8	7.5					
5080	10560-423U-EDU	318651.3	6260268.2	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10560	U	423	NCA19	55	55	55	55	0.8	0.8	7.5					
5081	10565-315U-EDU	318760.3	6260245.4	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10565	U	315	NCA19	55	55	55	55	0.8	0.8	7.5					
5082	10565-396U-EDU	318682.1	6260269.6	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10565	U	396	NCA19	55	55	55	55	0.8	0.8	7.5					
5083	10570-379U-EDU	318709.9	6260287.8	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10570	U	379	NCA19	55	55	55	55	0.8	0.8	7.5					
5084	10575-405D-EDU	318689.5	6260304.3	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10575	D	405	NCA19	55	55	55	55	0.8	0.8	7.5					
5085	10580-377U-EDU	318719.0	6260300.8	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10580	U	377	NCA19	55	55	55	55	0.8	0.8	7.5					
5086	10585-328D-EDU	318772.9	6260296.0	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10585	D	328	NCA19	55	55	55	55	0.8	0.8	7.5					
5087	10590-357D-EDU	318756.1	6260322.2	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10590	D	357	NCA19	55	55	55	55	0.8	0.8	7.5					
5088	10590-383U-EDU	318730.0	6260329.8	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10590	U	383	NCA19	55	55	55	55	0.8	0.8	7.5					
5089	10605-350D-EDU	318776.9	6260341.2	17-31 FELTON ROAD, CARLINGFORD 2118	EDU	Educational		10605	D	350	NCA19	55	55	55	55	0.8	0.8	7.5					
5090	10650-314D-RES	319342.7	6259989.7	28 HONITON AVENUE-WEST, CARLINGFORD 2118	RES	Residential		10650	D	314	NCA18	52	47	45	37	0.4	0.26	7.5					
5091	10680-304D-RES	319352.2	6260019.0	14 COLEMAN AVENUE, CARLINGFORD 2118	RES	Residential		10680	D	304	NCA18	52	47	45	37	0.4	0.26	7.5					
5092	10900-304D-RES	319262.7	6260677.5	8 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	304	NCA19	62	57	52	44	0.4	0.26	7.5					
5093	10900-306D-RES	319536.4	6260449.5	265 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	306	NCA19	62	57	52	44	0.4	0.26	7.5					
5094	10900-307D-RES	319342.7	6260663.7	4 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	307	NCA19	62	57	52	44	0.4	0.26	7.5					
5095	10900-308D-RES	319204.9	6260680.7	23 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	308	NCA19	62	57	52	44	0.4	0.26	7.5					
5096	10900-309D-RES	319056.3	6260623.6	33 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	309	NCA19	62	57	52	44	0.4	0.26	7.5					
5097	10900-309U-RES	319473.9	6260575.6	16 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	309	NCA19	62	57	52	44	0.4	0.26	7.5					
5098	10900-310D-RES	319160.5	6260674.8	2 PARKLEA PLACE, CARLINGFORD 2118	RES	Residential		10900	D	310	NCA19	62	57	52	44	0.4	0.26	7.5					
5099	10900-317D-RES	319543.6	6260463.4	267 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	317	NCA19	62	57	52	44	0.4	0.26	7.5					
5100	10900-320D-RES	319140.4	6260678.5	4 PARKLEA PLACE, CARLINGFORD 2118	RES	Residential		10900	D	320	NCA19	62	57	52	44	0.4	0.26	7.5					
5101	10900-321D-RES	319257.3	6260695.1	6 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	321	NCA19	62	57	52	44	0.4	0.26	7.5					
5102	10900-323D-RES	319201.7	6260695.5	21 TANDERRA AVENUE, CARLINGFORD 2118	RES	Residential		10900	D	323	NCA19	62	57	52	44	0.4	0.26	7.5					
5103	10900-323D-RES	319342.9	6260681.0	6 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	323	NCA19	62	57	52	44	0.4	0.26	7.5					
5104	10900-324D-RES	319562.2	6260348.9	346 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	324	NCA19	62	57	52	44	0.4	0.26	7.5					
5105	10900-327D-RES	319320.1	6260691.1	8A DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	327	NCA19	62	57	52	44	0.4	0.26	7.5					
5106	10900-327D-RES	319050.7	6260642.2	35 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	327	NCA19	62	57	52	44	0.4	0.26	7.5					
5107	10900-329D-RES	319105.3	6260674.8	37A POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	329	NCA19	62	57	52	44	0.4	0.26	7.5					
5108	10900-329D-RES	319464.2	6260614.7	12A POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	329	NCA19	62	57	52	44	0.4	0.26	7.5					
5109	10900-330D-RES	319552.9	6260475.9	269 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	330	NCA19	62	57	52	44	0.4	0.26	7.5					
5110	10900-338D-RES	319410.4	6260666.4	1-11 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	338	NCA19	62	57	52	44	0.4	0.26	7.5					
5111	10900-339D-RES	319552.3	6260503.9	271 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	339	NCA19	62	57	52	44	0.4	0.26	7.5					
5112	10900-340D-RES	319343.6	6260698.5	8 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	340	NCA19	62	57	52	44	0.4	0.26	7.5					
5113	10900-343D-RES	319047.4	6260659.2	37 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	343	NCA19	62	57	52	44	0.4	0.26	7.5					
5114	10900-344D-RES	319515.1	6260579.5	39 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	344	NCA19	62	57	52	44	0.4	0.26	7.5					
5115	10900-345D-RES	319081.9	6260681.4	41 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	345	NCA19	62	57	52	44	0.4	0.26	7.5					
5116	10900-346D-RES	319324.1	6260709.8	10-12 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	346	NCA19	62	57	52	44	0.4	0.26	7.5					
5117	10900-349D-RES	319587.9	6260375.5	362 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	349	NCA19	62	57	52	44	0.4	0.26	7.5					
5118	10900-352D-RES	319491.4	6260620.5	10 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	352	NCA19	62	57	52	44	0.4	0.26	7.5					
5119	10900-353D-RES	319572.8	6260489.0	273 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	353	NCA19	62	57	52	44	0.4	0.26	7.5					
5120	10900-355D-RES	319052.0	6260676.7	39 JENKINS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	355	NCA19	62	57	52	44	0.4	0.26	7.5					
5121	10900-359D-RES	319534.2	6260579.0	39A SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	359	NCA19	62	57	52	44	0.4	0.26	7.5					
5122	10900-362D-RES	319404.4	6260696.6	1-11 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	362	NCA19	62	57	52	44	0.4	0.26	7.5					
5123	10900-364D-RES	319325.5	6260728.5	10-12 DONALD STREET, CARLINGFORD 2118	RES	Residential		10900	D	364	NCA19	62	57	52	44	0.4	0.26	7.5					
5124	10900-367D-RES	319605.2	6260407.8	362 PENNANT HILLS ROAD, CARLINGFORD 2118	RES	Residential		10900	D	367	NCA19	62	57	52	44	0.4	0.26	7.5					
5125	10900-369D-RES	319527.9	6260604.7	41 SHIRLEY STREET, CARLINGFORD 2118	RES	Residential		10900	D	369	NCA19	62	57	52	44	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5126	10900-371D-RES	319509.7	6260627.9	8 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	371	NCA19	62	57	52	44	0.4	0.26	7.5					
5127	10900-389D-RES	319531.7	6260630.5	6 POST OFFICE STREET, CARLINGFORD 2118	RES	Residential		10900	D	389	NCA19	62	57	52	44	0.4	0.26	7.5					
5128	00110-399D-EDU	313407.9	6257606.2	21 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00110	D	399	NCA02	55	55	55	55	0.8	0.8	7.5					
5129	00115-300U-RES	314038.1	6257295.9	9 ALFRED STREET, WESTMEAD 2145	RES	Residential		00115	U	300	NCA03	61	56	53	48	0.4	0.26	7.5					
5130	00115-335U-RES	314068.9	6257279.7	8 PARK AVENUE, WESTMEAD 2145	RES	Residential		00115	U	335	NCA03	61	56	53	48	0.4	0.26	7.5					
5131	00120-332D-EDU	313471.2	6257584.4	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00120	D	332	NCA02	55	55	55	55	0.8	0.8	7.5					
5132	00130-335U-RES	314076.7	6257294.4	9 PARK AVENUE, WESTMEAD 2145	RES	Residential		00130	U	335	NCA03	61	56	53	48	0.4	0.26	7.5					
5133	00135-375D-EDU	313441.0	6257618.9	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00135	D	375	NCA02	55	55	55	55	0.8	0.8	7.5					
5134	00145-337U-RES	314084.8	6257307.0	10 PARK AVENUE, WESTMEAD 2145	RES	Residential		00145	U	337	NCA03	61	56	53	48	0.4	0.26	7.5					
5135	01575-316U-MED	314885.3	6257713.6	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	316	NCA06	65	65	65	65	0.8	0.8	7.5					
5136	01575-327U-MED	314866.9	6257704.4	1A FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	327	NCA06	65	65	65	65	0.8	0.8	7.5					
5137	01575-372U-MED	314875.9	6257657.9	1C FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	372	NCA06	65	65	65	65	0.8	0.8	7.5					
5138	01575-403U-MED	314859.3	6257628.5	1C FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01575	U	403	NCA06	65	65	65	65	0.8	0.8	7.5					
5139	01580-378U-MED	314906.1	6257650.8	1C FLEET STREET, NORTH PARRAMATTA 2151	MED	Medical		01580	U	378	NCA06	65	65	65	65	0.8	0.8	7.5					
5140	01605-340U-COM	315038.7	6257709.0	2B FENNELL STREET, PARRAMATTA 2150	COM	Commercial		01605	U	340	NCA06	70	70	70	70	0.8	0.8	7.5					
5141	00165-340D-EDU	313485.5	6257629.5	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00165	D	340	NCA02	55	55	55	55	0.8	0.8	7.5					
5142	00165-440D-EDU	313400.3	6257682.7	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00165	D	440	NCA02	55	55	55	55	0.8	0.8	7.5					
5143	00170-351D-EDU	313483.8	6257649.9	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00170	D	351	NCA02	55	55	55	55	0.8	0.8	7.5					
5144	00170-442D-EDU	313410.3	6257705.2	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00170	D	442	NCA02	55	55	55	55	0.8	0.8	7.5					
5145	01740-326D-COM	314906.1	6258388.4	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01740	D	326	NCA06	70	70	70	70	0.8	0.8	7.5					
5146	01745-303D-COM	314920.0	6258369.8	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01745	D	303	NCA06	70	70	70	70	0.8	0.8	7.5					
5147	01745-346D-COM	314902.4	6258409.2	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01745	D	346	NCA06	70	70	70	70	0.8	0.8	7.5					
5148	00175-467D-EDU	313392.1	6257722.8	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00175	D	467	NCA02	55	55	55	55	0.8	0.8	7.5					
5149	01770-328D-COM	314930.5	6258403.2	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01770	D	328	NCA06	70	70	70	70	0.8	0.8	7.5					
5150	01770-350D-COM	314921.1	6258422.6	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01770	D	350	NCA06	70	70	70	70	0.8	0.8	7.5					
5151	01795-320D-COM	314958.5	6258407.9	DUNLOP STREET, NORTH PARRAMATTA 2151	COM	Commercial		01795	D	320	NCA06	70	70	70	70	0.8	0.8	7.5					
5152	00180-383D-EDU	313466.6	6257685.3	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00180	D	383	NCA02	55	55	55	55	0.8	0.8	7.5					
5153	00180-415D-EDU	313445.1	6257710.8	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00180	D	415	NCA02	55	55	55	55	0.8	0.8	7.5					
5154	00185-377D-EDU	313484.5	6257701.0	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00185	D	377	NCA02	55	55	55	55	0.8	0.8	7.5					
5155	01870-338D-COM	315015.5	6258458.0	5 BARNEY STREET, NORTH PARRAMATTA 2151	COM	Commercial		01870	D	338	NCA07	70	70	70	70	0.8	0.8	7.5					
5156	01905-325D-PoW	315055.4	6258463.9	563 CHURCH STREET, NORTH PARRAMATTA 2151	PoW	Place of Worship	2	01905	D	325	NCA07	55	55	55	55	0.8	0.8	7.5					
5157	01935-328D-COM	315113.1	6258494.1	566-568 CHURCH STREET, NORTH PARRAMATTA 2151	COM	Commercial		01935	D	328	NCA07	70	70	70	70	0.8	0.8	7.5					
5158	01940-335D-COM	315156.2	6258514.8	11 BARNEY STREET, NORTH PARRAMATTA 2151	COM	Commercial		01940	D	335	NCA07	70	70	70	70	0.8	0.8	7.5					
5159	01945-326D-COM	315208.2	6258514.5	13 BARNEY STREET, NORTH PARRAMATTA 2151	COM	Commercial		01945	D	326	NCA07	70	70	70	70	0.8	0.8	7.5					
5160	01970-311D-RES	315481.0	6258402.0	13 WILLIAM STREET, NORTH PARRAMATTA 2151	RES	Residential		01970	D	311	NCA07	61	56	55	44	0.4	0.26	7.5					
5161	01975-306D-RES	315511.6	6258359.2	24 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01975	D	306	NCA07	61	56	55	44	0.4	0.26	7.5					
5162	01975-315D-RES	315528.5	6258349.8	26 BELLEVUE STREET, NORTH PARRAMATTA 2151	RES	Residential		01975	D	315	NCA07	61	56	55	44	0.4	0.26	7.5					
5163	00020-328U-RES	314021.8	6257200.9	1-3 PARK AVENUE, WESTMEAD 2145	RES	Residential		00020	U	328	NCA03	61	56	53	48	0.4	0.26	7.5					
5164	02165-300D-RES	315621.3	6258114.0	24 PENNANT HILLS ROAD, NORTH PARRAMATTA 2151	RES	Residential	3	02165	D	300	NCA07	61	56	55	44	0.4	0.26	7.5					
5165	02255-306D-RES	315658.9	6258033.0	72 SORRELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02255	D	306	NCA07	61	56	55	44	0.4	0.26	7.5					
5166	00230-334U-RES	314091.3	6257320.4	11 PARK AVENUE, WESTMEAD 2145	RES	Residential		00230	U	334	NCA03	61	56	53	48	0.4	0.26	7.5					
5167	02325-304D-RES	315690.7	6257942.0	16 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02325	D	304	NCA07	61	56	55	44	0.4	0.26	7.5					
5168	02355-317D-RES	315719.8	6257877.0	31-35 ISABELLA STREET, NORTH PARRAMATTA 2151	RES	Residential		02355	D	317	NCA07	61	56	55	44	0.4	0.26	7.5					
5169	02430-305D-RES	315717.6	6257756.8	27 ALBERT STREET, NORTH PARRAMATTA 2151	RES	Residential		02430	D	305	NCA07	61	56	55	44	0.4	0.26	7.5					
5170	00245-332U-RES	314099.6	6257334.1	12 PARK AVENUE, WESTMEAD 2145	RES	Residential		00245	U	332	NCA03	61	56	53	48	0.4	0.26	7.5					
5171	02470-308U-RES	315099.9	6257716.4	31 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02470	U	308	NCA06	52	47	46	46	0.4	0.26	7.5					
5172	02505-322U-COM	315085.8	6257683.0	2D FENNELL STREET, PARRAMATTA 2150	COM	Commercial		02505	U	322	NCA06	70	70	70	70	0.8	0.8	7.5					
5173	02535-305D-RES	315716.8	6257641.6	39 HAROLD STREET, NORTH PARRAMATTA 2151	RES	Residential		02535	D	305	NCA07	61	56	55	44	0.4	0.26	7.5					
5174	02550-324U-RES	315082.5	6257634.4	25 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02550	U	324	NCA06	52	47	46	46	0.4	0.26	7.5					
5175	02565-325U-RES	315081.4	6257619.2	25 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02565	U	325	NCA06	52	47	46	46	0.4	0.26	2.5	Heritage				
5176	02550-341U-RES	315065.4	6257637.4	25 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02550	U	341	NCA06	52	47	46	46	0.4	0.26	7.5					
5177	02560-396U-COM	315010.6	6257626.2	1 FENNELL STREET, PARRAMATTA 2150	COM	Commercial		02560	U	396	NCA06	70	70	70	70	0.8	0.8	7.5					
5178	02565-343U-RES	315063.3	6257622.1	25 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02565	U	343	NCA06	52	47	46	46	0.4	0.26	7.5					
5179	02580-301D-RES	315711.8	6257595.1	42 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02580	D	301	NCA07	61	56	55	44	0.4	0.26	7.5					
5180	02585-335U-RES	315070.5	6257603.5	23 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02585	U	335	NCA06	52	47	46	46	0.4	0.26	7.5					
5181	02630-320D-RES	315727.0	6257522.8	53 FENNELL STREET, NORTH PARRAMATTA 2151	RES	Residential		02630	D	320	NCA07	61	56	55	44	0.4	0.26	7.5					
5182	02635-345U-RES	315057.1	6257556.6	17 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02660	U	346	NCA06	52	47	46	46	0.4	0.26	7.5					
5183	02660-346U-RES	315057.1	6257556.6	17 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02660	U	346	NCA06	52	47	46	46	0.4	0.26	7.5					
5184	02675-305D-RES	315707.5	6257477.4	62 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02675	D	305	NCA07	61	56	55	44	0.4	0.26	7.5					
5185	02720-360U-COM	315037.6	6257503.3	15 O'CONNELL STREET, PARRAMATTA 2150	COM	Commercial		02720	U	360	NCA08	70	70	70	70	0.8	0.8	7.5					
5186	02735-309D-RES	315703.9	6257410.3	55 GROSE STREET, NORTH PARRAMATTA 2151	RES	Residential		02735	D	309	NCA08	69	64	62	51	0.4	0.26	7.5					
5187	02770-305U-RES	315086.8	6257449.3	40 O'CONNELL STREET, PARRAMATTA 2150	RES	Residential		02770	U	305	NCA08	69	64	62	51	0.4	0.26	2.5	Heritage				
5188	00275-308U-RES	314097.5	6257369.4	6 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00275	U	308	NCA03	61	56	53	48	0.4	0.26	7.5					
5189	00275-322U-RES	314109.1	6257361.9	4 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00275	U	322	NCA03	61	56	53	48	0.4	0.26	7.5					
5190	00280-336U-RES	314122.5	6257355.9	2 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00280	U	336	NCA03	61	56	53	48	0.4	0.26	7.5					
5191	02890-314U-EDU	315062.0	6257339.7	2-6 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		02890	U	314	NCA08	55	55	55	55	0.8	0.8	7.5					
5192	02945-350D-PoW	315713.4	6257182.3	21 VICTORIA ROAD, PARRAMATTA 2150	PoW	Place of Worship		02945	D	350	NCA08	55	55	55	55	0.8	0.8	7.5					
5193	02970-330D-PoW	315689.9	6257160.5	21 VICTORIA ROAD, PARRAMATTA 2150	PoW	Place of Worship		02970	D	330	NCA08	55	55	55	55	0.8	0.8	7.5					
5194	02980-356D-PoW	315714.7	6257146.5	21 VICTORIA ROAD, PARRAMATTA 2150	PoW	Place of Worship		02980	D	356	NCA08	55	55	55	55	0.8	0.8	7.5					
5195	03010-327D-RES	315678.6	6257110.6	27 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03010	D	327	NCA08	69	64	62	51	0.4	0.26	7.5					
5196	03010-351D-RES	315701.9	6257103.5	27 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03010	D	351	NCA08	69	64	62	51	0.4	0.26	7.5					
5197	03020-353D-RES	315700.0	6257086.1	17 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03020	D	353	NCA08	69	64	62	51	0.4	0.26	7.5					
5198	03030-357D-RES	315699.7	6257068.0	17 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03030	D	357	NCA08	69	64	62	51	0.4	0.26	7.5					
5199	03040-357D-RES	315692.1	6257040.8	17 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03040	D	357	NCA08	69	64	62	51	0.4	0.26	7.5					
5200	03060-334D-RES	315659.3	6257013.3	13-15 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03060	D	334	NCA08	69	64	62	51	0.4	0.26	7.5					
5201	03060-502D-RES	315819.3	6256959.1	15 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		03060	D	502	NCA10	53	48	45	39	0.4	0.26	7.5					
5202	03065-426D-RES	315743.3	6256972.8	6 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03065	D	426	NCA10	53	48	45	39	0.4	0.26	7.5					
5203	03075-359D-RES	315677.5	6256989.4	11 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03075	D	359	NCA08	69	64	62	51	0.4	0.26	7.5					
5204	03075-422D-RES	315733.9	6256960.6	4 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03075	D	422	NCA10	53	48	45	39	0.4	0.26	7.5					
5205	03075-457D-RES	315768.6	6256951.4	4 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		03075	D	457	NCA10	53	48	45	39	0.4	0.26	7.5					
5206	03075-471D-RES	315781.5	6256948.4	6 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		03075	D	471	NCA10	53	48	45	39	0.4	0.26	7.5					
5207	03075-506D-RES	315813.9	6256933.1	13 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		03075	D	506	NCA10	53	48	45	39	0.4	0.26	7.5					
5208	03080-318D-RES	315636.2	6256996.9	11 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03080	D	318	NCA08	69	64	62	51	0.4	0.26	7.5					
5209	03080-364D-RES	315672.2	6256963.1	11 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03080	D	364	NCA08	69	64	62	51	0.4	0.26	7.5					
5210	03080-425D-RES	315732.1	6256947.5	2 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03080	D	425	NCA10	53	48	45	39	0.4	0.26	7.5					
5211	03080-446D-RES	315754.5	6256947.0	2 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		03080	D	446	NCA10	53	48	45	39	0.4	0.26	7.5					
5212	03090-315U-EDU	315040.4	6257219.5	24 O'CONNEL STREET, PARRAMATTA 2150	EDU	Educational		03090	U	315	NCA08	55	55	55	55	0.8	0.8	2.5	Heritage				
5213	03090-328D-RES	315636.8	6256971.0	11 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03090	D	328	NCA08	69	64	62	51	0.4	0.26	7.5					
5214	03100-355D-RES	315653.3	6256941.0	5 ELIZABETH STREET, PARRAMATTA 2150	RES	Residential		03100	D	355	NCA08	69	64	62	51	0.4	0.26	7.5					
5215	03105-434D-RES	315721.6	6256900.9	1 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		03105	D	434	NCA10	53	48	45	39	0.4	0.26	7.5					
5216	03105-456D-RES	315740.5	6256887.8	5 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		03105	D	456	NCA10	53	48	45	39	0.4	0.26	7.5					
5217	03290-308D-COM	315548.5	6256812.8	60 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		03290	D	308	NCA09	70	70	70	70	0.8	0.8	7.5					
5218	00335-307U-RES	314135.6	6257418.1	5 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00335	U	307	NCA04	59	54	53	52	0.4	0.26	7.5					
5219	00335-322U-RES	314147.9	6257410.9	3 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00335	U	322	NCA04	59	54	53	52	0.4	0.26	7.5					
5220	00345-336U-RES	314164.0	6257407.5	1 QUEENS ROAD, WESTMEAD 2145	RES	Residential		00345	U	336	NCA04	59	54	53	52	0.4	0.26	7.5					
5221	00365-317U-RES	314162.3	6257437.1	13 PARK AVENUE, WESTMEAD 2145	RES	Residential		00365	U	317	NCA04	59	54	53	52	0.4	0.26	7.5					
5222	00385-314U-RES	314170.6	6257451.9	14 PARK AVENUE, WESTMEAD 2145	RES	Residential		00385	U	314	NCA04	59	54	53	52	0.4	0.26	7.5					
5223	03900-307U-COM	315332.3	6256196.5	1 FITZWILLIAM STREET, PARRAMATTA 2150	COM	Commercial		03900	U	307	NCA09	70	70	70	70	0.8	0.8	7.5					
5224	04000-325D-COM	315579.2	6256787.4	66 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04000	D	325	NCA09	70	70	70	70	0.8	0.8	7.5					
5225	00400-310U-RES	314178.1	6257467.1	15 PARK AVENUE, WESTMEAD 2145	RES	Residential		00400	U	310	NCA04	59	54	53	52	0.4	0.26	7.5					
5226	04025-325D-COM	315602.0	6256781.7	70 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04025	D	325	NCA09	70	70	70	70	0.8	0.8	7.5					
5227	04040-333D-RES	315620.8	6256785.5	70 PHILLIP STREET, PARRAMATTA 2150	RES	Residential		04040	D	333	NCA09	68	63	58	48	0.4	0.26	7.5					
5228	04040-356D-RES	315624.7	6256807.5	70 PHILLIP STREET, PARRAMATTA 2150	RES	Residential		04040	D	356	NCA09	68	63	58	48	0.4	0.26	7.5					
5229	04075-343D-RES	315654.8	6256787.2	76 PHILLIP STREET, PARRAMATTA 2150	RES	Residential		04075	D	343	NCA09	68	63	58	48	0.4	0.26	7.5					
5230	04095-339D-COM	315673.2	6256777.8	80 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04095	D	339	NCA09	70	70	70	70	0.8	0.8	7.5					
5231	04120-336D-COM	315697.1	6256769.5	88 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04120	D	336	NCA09	70	70	70	70	0.8	0.8	7.5					
5232	04150-462D-RES	315760.0	6256883.2	7 ROBERTSON STREET, PARRAMATTA 2150	RES	Residential		04150	D	462	NCA10	53	48	45	39	0.4	0.26	7.5					
5233	00415-307U-RES	314186.5	6257482.5	16 PARK AVENUE, WESTMEAD 2145	RES	Residential		00415	U	307	NCA04	59	54	53	52	0.4	0.26	7.5					
5234	04165-329D-COM	315742.4	6256750.6	90-92 PHILLIP STREET, PARRAMATTA 2150	COM	Commercial		04165	D	329	NCA09	70	70	70	70	0.8	0.8	7.5					
5235	04185-302U-COM	315606.3	6256131.3	56 STATION STREET-EAST, HARRIS PARK 2150	COM	Commercial		04185	U	302	NCA09	70	70	70	70	0.8	0.8	7.5					
5236	04195-462D-RES	315800.6	6256873.2	9 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04195	D	462	NCA10	53	48	45	39	0.4	0.26	7.5					
5237	04485-301U-RES	315961.8	6256053.5	87 HARRIS STREET, HARRIS PARK 2150	RES	Residential		04485	U	301	NCA09	68	63	58	48	0.4	0.26	7.5					
5238	04490-307U-RES	316034.0	6256051.4	6 RUSE STREET, HARRIS PARK 2150	RES	Residential		04490	U	307	NCA09	68	63	58	48	0.4	0.26	7.5					
5239	04495-337U-RES	316108.8	6256041.8	16 RUSE STREET, HARRIS PARK 2150	RES	Residential		04495	U	337	NCA11	53	48	45	39	0.4	0.26	7.5					
5240	04495-342U-RES	316123.1	6256042.5	18 RUSE STREET, HARRIS PARK 2150	RES	Residential		04495	U	342	NCA11	53	48	45	39	0.4	0.26	7.5					
5241	04495-355U-RES	316139.1	6256035.5	20 RUSE STREET, HARRIS PARK 2150	RES	Residential		04495	U	355	NCA11	53	48	45	39	0.4	0.26	7.5					
5242	04615-301D-COM	315842.1	6256705.1	38 CHARLES STREET, PARRAMATTA 2150	COM	Commercial		04615	D	301	NCA09	70	70	70	70	0.8	0.8	7.5					
5243	04620-344D-RES	315902.5	6256788.0	3 STEWART STREET, PARRAMATTA 2150	RES	Residential		04620	D	344	NCA10	53	48	45	39	0.4	0.26	7.5					
5244	04620-354D-RES	315913.5	6256803.1	5 STEWART STREET, PARRAMATTA 2150	RES	Residential		04620	D	354	NCA10	53	48	45	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5245	04620-369D-RES	315918.9	6256821.1	7 STEWART STREET, PARRAMATTA 2150	RES	Residential		04620	D	369	NCA10	53	48	45	39	0.4	0.26	7.5					
5246	04620-384D-RES	315912.5	6256834.1	9 STEWART STREET, PARRAMATTA 2150	RES	Residential		04620	D	384	NCA10	53	48	45	39	0.4	0.26	7.5					
5247	04620-398D-RES	315854.9	6256826.1	4 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	398	NCA10	53	48	45	39	0.4	0.26	7.5					
5248	04620-413D-RES	315861.3	6256846.1	6A QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	413	NCA10	53	48	45	39	0.4	0.26	7.5					
5249	04620-423D-RES	315862.1	6256857.5	8 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	423	NCA10	53	48	45	39	0.4	0.26	7.5					
5250	04620-442D-RES	315865.9	6256878.7	14 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	442	NCA10	53	48	45	39	0.4	0.26	7.5					
5251	04620-469D-RES	315872.4	6256910.1	20 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	469	NCA10	53	48	45	39	0.4	0.26	7.5					
5252	04620-493D-RES	315878.5	6256938.3	22 QUEENS AVENUE, PARRAMATTA 2150	RES	Residential		04620	D	493	NCA10	53	48	45	39	0.4	0.26	7.5					
5253	04625-310D-EDU	315985.0	6256776.4	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	310	NCA10	55	55	55	55	0.8	0.8	7.5					
5254	04625-311D-EDU	316003.8	6256780.0	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	311	NCA10	55	55	55	55	0.8	0.8	7.5					
5255	04625-370D-EDU	315984.0	6256836.9	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	370	NCA10	55	55	55	55	0.8	0.8	7.5					
5256	04625-390D-EDU	315979.6	6256856.9	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	390	NCA10	55	55	55	55	0.8	0.8	7.5					
5257	04625-398D-RES	315919.1	6256850.8	13 STEWART STREET, PARRAMATTA 2150	RES	Residential		04625	D	398	NCA10	53	48	45	39	0.4	0.26	7.5					
5258	04625-402D-EDU	315987.1	6256869.5	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	402	NCA10	55	55	55	55	0.8	0.8	7.5					
5259	04625-402D-EDU	315976.8	6256868.2	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	402	NCA10	55	55	55	55	0.8	0.8	7.5					
5260	04625-412D-RES	315921.1	6256866.7	15 STEWART STREET, PARRAMATTA 2150	RES	Residential		04625	D	412	NCA10	53	48	45	39	0.4	0.26	7.5					
5261	04625-418D-EDU	315978.0	6256884.4	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	418	NCA10	55	55	55	55	0.8	0.8	7.5					
5262	04625-420D-EDU	315990.7	6256888.2	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04625	D	420	NCA10	55	55	55	55	0.8	0.8	7.5					
5263	04625-427D-RES	315920.5	6256882.1	17 STEWART STREET, PARRAMATTA 2150	RES	Residential		04625	D	427	NCA10	53	48	45	39	0.4	0.26	7.5					
5264	04625-447D-RES	315926.3	6256903.8	21-23 STEWART STREET, PARRAMATTA 2150	RES	Residential		04625	D	447	NCA10	53	48	45	39	0.4	0.26	7.5					
5265	04625-464D-RES	315929.6	6256922.0	25 STEWART STREET, PARRAMATTA 2150	RES	Residential		04625	D	464	NCA10	53	48	45	39	0.4	0.26	7.5					
5266	04630-322D-EDU	316006.0	6256791.8	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04630	D	322	NCA10	55	55	55	55	0.8	0.8	7.5					
5267	04630-388D-EDU	316053.5	6256858.6	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04630	D	388	NCA10	55	55	55	55	0.8	0.8	7.5					
5268	04635-346D-EDU	316109.8	6256810.4	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04635	D	346	NCA10	55	55	55	55	0.8	0.8	7.5					
5269	04635-362D-EDU	316080.8	6256831.3	9 THOMAS STREET, PARRAMATTA 2150	EDU	Educational		04635	D	362	NCA10	55	55	55	55	0.8	0.8	7.5					
5270	04645-311D-RES	316162.9	6256759.6	24 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04645	D	311	NCA10	53	48	45	39	0.4	0.26	7.5					
5271	04645-328D-RES	316166.9	6256775.8	26 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04645	D	328	NCA10	53	48	45	39	0.4	0.26	7.5					
5272	04645-343D-RES	316168.5	6256791.5	28 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04645	D	343	NCA10	53	48	45	39	0.4	0.26	7.5					
5273	04645-358D-RES	316172.1	6256806.7	30 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04645	D	358	NCA10	53	48	45	39	0.4	0.26	7.5					
5274	04645-373D-RES	316176.9	6256820.3	32 MACARTHUR STREET, PARRAMATTA 2150	RES	Residential		04645	D	373	NCA10	53	48	45	39	0.4	0.26	7.5					
5275	04670-369D-RES	316205.8	6256805.9	1 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04670	D	369	NCA10	53	48	45	39	0.4	0.26	7.5					
5276	04675-324D-RES	316196.0	6256761.4	2 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04675	D	324	NCA10	53	48	45	39	0.4	0.26	7.5					
5277	04685-372D-RES	316221.4	6256803.1	3 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04685	D	372	NCA10	53	48	45	39	0.4	0.26	7.5					
5278	04690-328D-RES	316211.6	6256760.0	6 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04690	D	328	NCA10	53	48	45	39	0.4	0.26	7.5					
5279	04700-375D-RES	316234.3	6256801.3	5 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04700	D	375	NCA10	53	48	45	39	0.4	0.26	7.5					
5280	04705-322D-RES	316221.6	6256749.6	8 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04705	D	322	NCA10	53	48	45	39	0.4	0.26	7.5					
5281	04715-379D-RES	316251.5	6256799.6	7 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04715	D	379	NCA10	53	48	45	39	0.4	0.26	7.5					
5282	04725-344D-RES	316249.0	6256762.7	10 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04725	D	344	NCA10	53	48	45	39	0.4	0.26	7.5					
5283	04735-377D-RES	316268.7	6256790.8	7A HARVEY STREET, PARRAMATTA 2150	RES	Residential		04735	D	377	NCA10	53	48	45	39	0.4	0.26	7.5					
5284	04750-382D-RES	316284.5	6256791.1	9 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04750	D	382	NCA10	53	48	45	39	0.4	0.26	7.5					
5285	04760-334D-RES	316276.3	6256742.0	12 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04760	D	334	NCA10	53	48	45	39	0.4	0.26	7.5					
5286	04765-386D-RES	316299.7	6256788.8	11 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04765	D	386	NCA10	53	48	45	39	0.4	0.26	7.5					
5287	04775-335D-RES	316291.8	6256737.3	14 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04775	D	335	NCA10	53	48	45	39	0.4	0.26	7.5					
5288	04780-387D-RES	316314.3	6256785.2	13 HARVEY STREET, PARRAMATTA 2150	RES	Residential		04780	D	387	NCA10	53	48	45	39	0.4	0.26	7.5					
5289	04785-340D-RES	316306.5	6256738.0	16 NEW ZEALAND STREET, PARRAMATTA 2150	RES	Residential		04785	D	340	NCA10	53	48	45	39	0.4	0.26	7.5					
5290	04800-365D-RES	316340.8	6256751.5	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04800	D	365	NCA10	53	48	45	39	0.4	0.26	7.5					
5291	04810-308D-RES	316334.6	6256691.2	12 RANGIHOU CRESCENT, PARRAMATTA 2150	RES	Residential		04810	D	308	NCA10	53	48	45	39	0.4	0.26	7.5					
5292	04830-399D-RES	316402.0	6256761.2	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04830	D	399	NCA10	53	48	45	39	0.4	0.26	7.5					
5293	04835-301D-RES	316364.8	6256670.3	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04835	D	301	NCA10	53	48	45	39	0.4	0.26	7.5					
5294	04850-367D-RES	316417.8	6256716.7	1A MORTON STREET, PARRAMATTA 2150	RES	Residential		04850	D	367	NCA10	53	48	45	39	0.4	0.26	7.5					
5295	04960-349U-RES	316156.2	6256035.4	22 RUSE STREET, HARRIS PARK 2150	RES	Residential		04960	U	349	NCA11	53	48	45	39	0.4	0.26	7.5					
5296	00050-310D-EDU	313460.5	6257512.8	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00050	D	310	NCA02	55	55	55	55	0.8	0.8	7.5					
5297	T6-21745-485D-RES	316395.5	6255283.4	79 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21745	D	485	NCA12	61	56	53	46	0.4	0.26	7.5					
5298	T6-21735-483D-RES	316392.6	6255272.8	77 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21735	D	483	NCA12	61	56	53	46	0.4	0.26	7.5					
5299	T6-21695-475D-RES	316394.2	6255258.6	75 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21695	D	475	NCA12	61	56	53	46	0.4	0.26	7.5					
5300	T6-21975-500D-RES	316409.4	6255367.9	89B ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21975	D	500	NCA12	61	56	53	46	0.4	0.26	7.5					
5301	T6-21970-471D-RES	316437.8	6255360.8	48 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	471	NCA12	61	56	53	46	0.4	0.26	7.5					
5302	T6-21940-501D-RES	316406.1	6255355.7	89A ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21940	D	501	NCA12	61	56	53	46	0.4	0.26	7.5					
5303	T6-21900-501D-RES	316402.5	6255345.3	89 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21900	D	501	NCA12	61	56	53	46	0.4	0.26	7.5					
5304	T6-21870-499D-RES	316401.5	6255333.5	87 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21870	D	499	NCA12	61	56	53	46	0.4	0.26	7.5					
5305	T6-21840-496D-RES	316400.4	6255320.5	85 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21840	D	496	NCA12	61	56	53	46	0.4	0.26	7.5					
5306	T6-21830-493D-RES	316399.1	6255309.1	83 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21830	D	493	NCA12	61	56	53	46	0.4	0.26	7.5					
5307	T6-21770-489D-RES	316397.4	6255295.3	81 ALFRED STREET, ROSEHILL 2142	RES	Residential		T6-21770	D	489	NCA12	61	56	53	46	0.4	0.26	7.5					
5308	T6-21835-400D-RES	316488.2	6255283.2	7 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21835	D	400	NCA12	61	56	53	46	0.4	0.26	7.5					
5309	T6-21830-402D-RES	316485.4	6255281.0	7 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21830	D	402	NCA12	61	56	53	46	0.4	0.26	7.5					
5310	T6-21780-400D-RES	316482.4	6255268.4	5 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21780	D	400	NCA12	61	56	53	46	0.4	0.26	7.5					
5311	T6-21780-385D-RES	316495.8	6255261.6	5 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21780	D	385	NCA12	61	56	53	46	0.4	0.26	7.5					
5312	T6-21830-336D-RES	316548.1	6255258.5	58 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21830	D	336	NCA12	61	56	53	46	0.4	0.26	7.5					
5313	T6-21770-391D-RES	316486.2	6255254.0	3 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21770	D	391	NCA12	61	56	53	46	0.4	0.26	7.5					
5314	T6-21775-371D-RES	316507.5	6255251.9	6 WATSON STREET, ROSEHILL 2142	RES	Residential		T6-21775	D	371	NCA12	61	56	53	46	0.4	0.26	7.5					
5315	T6-21830-319D-RES	316563.9	6255252.3	58 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21830	D	319	NCA12	61	56	53	46	0.4	0.26	7.5					
5316	T6-21825-347D-RES	316533.4	6255250.9	2 WATSON STREET, ROSEHILL 2142	RES	Residential		T6-21825	D	347	NCA12	61	56	53	46	0.4	0.26	7.5					
5317	T6-21775-355D-RES	316521.0	6255243.7	4 WATSON STREET, ROSEHILL 2142	RES	Residential		T6-21775	D	355	NCA12	61	56	53	46	0.4	0.26	7.5					
5318	T6-21745-398D-RES	316471.8	6255241.4	3 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21745	D	398	NCA12	61	56	53	46	0.4	0.26	7.5					
5319	T6-21790-313D-RES	316564.4	6255237.2	56 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21790	D	313	NCA12	61	56	53	46	0.4	0.26	7.5					
5320	T6-21775-308D-RES	316563.0	6255223.1	56A ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21775	D	308	NCA12	61	56	53	46	0.4	0.26	7.5					
5321	T6-21970-455D-RES	316452.8	6255355.1	46 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	455	NCA12	61	56	53	46	0.4	0.26	7.5					
5322	T6-21975-418D-RES	316489.7	6255352.9	44 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21975	D	418	NCA12	61	56	53	46	0.4	0.26	7.5					
5323	T6-21970-404D-RES	316503.0	6255347.7	42 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	404	NCA12	61	56	53	46	0.4	0.26	7.5					
5324	T6-21970-383D-COI	316523.5	6255341.6	40 ELEANOR STREET, ROSEHILL 2142	COM	Commercial		T6-21970	D	383	NCA12	70	70	70	70	0.8	0.8	7.5					
5325	T6-21980-329D-RES	316578.5	6255345.8	76 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21980	D	329	NCA12	61	56	53	46	0.4	0.26	7.5					
5326	T6-21935-453D-RES	316451.5	6255342.1	46 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21935	D	453	NCA12	61	56	53	46	0.4	0.26	7.5					
5327	T6-21955-360D-COI	316544.9	6255333.9	38 ELEANOR STREET, ROSEHILL 2142	COM	Commercial		T6-21955	D	360	NCA12	70	70	70	70	0.8	0.8	7.5					
5328	T6-21965-338D-RES	316567.6	6255332.8	74 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21965	D	338	NCA12	61	56	53	46	0.4	0.26	7.5					
5329	T6-21895-457D-RES	316445.0	6255331.1	14 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21895	D	457	NCA12	61	56	53	46	0.4	0.26	7.5					
5330	T6-21910-411D-RES	316490.8	6255327.1	15 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21910	D	411	NCA12	61	56	53	46	0.4	0.26	7.5					
5331	T6-21945-331D-RES	316572.3	6255323.7	72 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21945	D	331	NCA12	61	56	53	46	0.4	0.26	7.5					
5332	T6-21865-455D-RES	316441.9	6255317.0	12 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21865	D	455	NCA12	61	56	53	46	0.4	0.26	7.5					
5333	T6-21940-333D-RES	316569.7	6255318.3	72 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21940	D	333	NCA12	61	56	53	46	0.4	0.26	7.5					
5334	T6-21880-411D-RES	316487.6	6255314.7	11 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21880	D	411	NCA12	61	56	53	46	0.4	0.26	7.5					
5335	T6-21835-449D-RES	316442.5	6255301.1	10 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21835	D	449	NCA12	61	56	53	46	0.4	0.26	7.5					
5336	T6-21905-324D-RES	316574.5	6255301.6	68 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21905	D	324	NCA12	61	56	53	46	0.4	0.26	7.5					
5337	T6-21865-409D-RES	316484.8	6255298.8	9 JORDAN STREET, ROSEHILL 2142	RES	Residential		T6-21865	D	409	NCA12	61	56	53	46	0.4	0.26	7.5					
5338	T6-21880-323D-RES	316572.5	6255289.9	66 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21880	D	323	NCA12	61	56	53	46	0.4	0.26	7.5					
5339	T6-22380-288U-RES	316660.0	6255717.0	24 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22380	U	288	NCA12	61	56	53	46	0.4	0.26	7.5					
5340	T6-22335-291U-RES	316652.1	6255651.6	29 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22335	U	291	NCA12	61	56	53	46	0.4	0.26	7.5					
5341	T6-22265-280D-EDU	316659.6	6255598.6	20-40 PROSPECT STREET, ROSEHILL 2142	EDU	Educational		T6-22265	D	280	NCA12	55	55	55	55	0.8	0.8	7.5					
5342	T6-22220-284U-EDU	316651.3	6255556.5	20-40 PROSPECT STREET, ROSEHILL 2142	EDU	Educational		T6-22220	U	284	NCA12	55	55	55	55	0.8	0.8	7.5					
5343	T6-22205-286D-EDU	316647.8	6255539.8	20-40 PROSPECT STREET, ROSEHILL 2142	EDU	Educational		T6-22205	D	286	NCA12	55	55	55	55	0.8	0.8	7.5					
5344	T6-22190-285D-EDU	316646.5	6255523.7	20-40 PROSPECT STREET, ROSEHILL 2142	EDU	Educational		T6-22190	D	285	NCA12	55	55	55	55	0.8	0.8	7.5					
5345	T6-22120-296D-RES	316630.1	6255481.5	30 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22120	D	296	NCA12	61	56	53	46	0.4	0.26	7.5					
5346	T6-22120-283D-RES	316642.6	6255478.3	26 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22120	D	283	NCA12	61	56	53	46	0.4	0.26	7.5					
5347	T6-22110-284D-RES	316637.4	6255455.8	89 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22110	D	284	NCA12	61	56	53	46	0.4	0.26	7.5					
5348	T6-22100-285D-RES	316634.0	6255441.0	87 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22100	D	285	NCA12	61	56	53	46	0.4	0.26	7.5					
5349	T6-22040-293D-RES	316620.1	6255379.5	29 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22040	D	293	NCA12	61	56	53	46	0.4	0.26	7.5					
5350	T6-22005-282D-RES	316626.5	6255347.0	77 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22005	D	282	NCA12	61	56	53	46	0.4	0.26	7.5					
5351	T6-21980-285D-RES	316622.4	6255337.0	75 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21980	D	285	NCA12	61	56	53	46	0.4	0.26	7.5					
5352	T6-21970-284D-RES	316621.3	6255326.2	73 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	284	NCA12	61	56	53	46	0.4	0.26	7.5					
5353	T6-21945-284D-RES	316619.4	6255316.0	71 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21945	D	284	NCA12	61	56	53	46	0.4	0.26	7.5					
5354	T6-21915-279D-RES	316620.1	6255296.7	67 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21915	D	279	NCA12	61	56	53	46	0.4	0.26	7.5					
5355	05220-425D-RES	316535.0	6256786.0	8-10 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	425	NCA10	53	48	45	39	0.4	0.26	7.5					
5356	05220-428D-RES	316518.9	6256788.1	8-10 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	428	NCA10	53	48	45	39	0.4	0.26	7.5					
5357	05220-431D-RES	316506.0	6256790.3	4-6 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	431	NCA10	53	48	45	39	0.4	0.26	7.5					
5358	05220-437D-RES	316490.5	6256794.4	4-6 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	437	NCA10	53	48	45	39	0.4	0.26	7.5					
5359	05220-445D-RES	316539.1	6256806.4	8-10 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	445	NCA10	53	48	45	39	0.4	0.26	7.5					
5360	05220-448D-RES	316523.7	6256808.9	8-10 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	448	NCA10	53	48	45	39	0.4	0.26	7.5					
5361	05220-449D-RES	316477.6	6256804.6	6 MORTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	449	NCA10	53	48	45	39	0.4	0.26	7.5					
5362	05220-451D-RES	316509.6	6256810.9	4-6 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	451	NCA10	53	48	45	39	0.4	0.26	7.5					
5363	05220-456D-RES	316494.8	6256814.5	4-6 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	456	NCA10	53	48	45	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5364	05220-475D-RES	316483.6	6256831.7	6 MORTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	475	NCA10	53	48	45	39	0.4	0.26	7.5					
5365	05220-493D-RES	316517.6	6256853.8	51A THOMAS STREET, PARRAMATTA 2150	RES	Residential		05220	D	493	NCA10	53	48	45	39	0.4	0.26	7.5					
5366	05220-498D-RES	316504.2	6256857.0	51 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05220	D	498	NCA10	53	48	45	39	0.4	0.26	7.5					
5367	05220-500D-RES	316488.7	6256857.5	6 MORTON STREET, PARRAMATTA 2150	RES	Residential		05220	D	500	NCA10	53	48	45	39	0.4	0.26	7.5					
5368	05225-312D-RES	316594.7	6256671.2	3 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	312	NCA10	53	48	45	39	0.4	0.26	7.5					
5369	05225-419D-RES	316592.3	6256779.5	16-18 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	419	NCA10	53	48	45	39	0.4	0.26	7.5					
5370	05225-420D-RES	316606.1	6256778.8	20 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	420	NCA10	53	48	45	39	0.4	0.26	7.5					
5371	05225-421D-RES	316578.1	6256782.2	16-18 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	421	NCA10	53	48	45	39	0.4	0.26	7.5					
5372	05225-423D-RES	316563.2	6256785.1	14 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	423	NCA10	53	48	45	39	0.4	0.26	7.5					
5373	05225-428D-RES	316549.5	6256790.0	12 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	428	NCA10	53	48	45	39	0.4	0.26	7.5					
5374	05225-444D-RES	316589.0	6256804.2	16-18 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05225	D	444	NCA10	53	48	45	39	0.4	0.26	7.5					
5375	05225-459D-RES	316613.3	6256816.9	63A THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	459	NCA10	53	48	45	39	0.4	0.26	7.5					
5376	05225-480D-RES	316603.5	6256839.0	61 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	480	NCA10	53	48	45	39	0.4	0.26	7.5					
5377	05225-481D-RES	316617.4	6256838.5	63 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	481	NCA10	53	48	45	39	0.4	0.26	7.5					
5378	05225-483D-RES	316589.7	6256844.0	59 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	483	NCA10	53	48	45	39	0.4	0.26	7.5					
5379	05225-486D-RES	316575.2	6256846.9	57 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	486	NCA10	53	48	45	39	0.4	0.26	7.5					
5380	05225-489D-RES	316548.5	6256850.4	53A THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	489	NCA10	53	48	45	39	0.4	0.26	7.5					
5381	05225-489D-RES	316561.1	6256850.3	55 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05225	D	489	NCA10	53	48	45	39	0.4	0.26	7.5					
5382	05230-370D-RES	316618.6	6256725.9	3 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05230	D	370	NCA10	53	48	45	39	0.4	0.26	7.5					
5383	05230-415D-RES	316649.5	6256766.6	26 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05230	D	415	NCA10	53	48	45	39	0.4	0.26	7.5					
5384	05230-416D-RES	316617.9	6256772.9	22 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05230	D	416	NCA10	53	48	45	39	0.4	0.26	7.5					
5385	05230-423D-RES	316634.8	6256777.2	24 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05230	D	423	NCA10	53	48	45	39	0.4	0.26	7.5					
5386	05230-475D-RES	316645.2	6256828.4	67 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05230	D	475	NCA10	53	48	45	39	0.4	0.26	7.5					
5387	05230-477D-RES	316659.2	6256827.2	69 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05230	D	477	NCA10	53	48	45	39	0.4	0.26	7.5					
5388	05230-478D-RES	316631.9	6256833.8	65 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05230	D	478	NCA10	53	48	45	39	0.4	0.26	7.5					
5389	05230-478D-RES	316672.9	6256825.1	71 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05230	D	478	NCA10	53	48	45	39	0.4	0.26	7.5					
5390	05235-413D-RES	316671.7	6256759.0	28-30 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05235	D	413	NCA10	53	48	45	39	0.4	0.26	7.5					
5391	05235-437D-RES	316675.7	6256782.6	28-30 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05235	D	437	NCA10	53	48	45	39	0.4	0.26	7.5					
5392	05240-349D-RES	316659.9	6256696.2	3 BROUGHTON STREET, PARRAMATTA 2150	RES	Residential		05240	D	349	NCA10	53	48	45	39	0.4	0.26	7.5					
5393	05240-475D-RES	316690.3	6256817.9	73 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05240	D	475	NCA10	53	48	45	39	0.4	0.26	7.5					
5394	05275-482D-RES	316728.1	6256814.9	75 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05275	D	482	NCA10	53	48	45	39	0.4	0.26	7.5					
5395	05290-425D-RES	316728.8	6256755.6	12 PEMBERTON STREET, PARRAMATTA 2150	RES	Residential		05290	D	425	NCA10	53	48	45	39	0.4	0.26	7.5					
5396	05300-487D-RES	316751.9	6256814.4	77-79 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05300	D	487	NCA10	53	48	45	39	0.4	0.26	7.5					
5397	05310-443D-RES	316749.9	6256769.1	14 PEMBERTON STREET, PARRAMATTA 2150	RES	Residential		05310	D	443	NCA10	53	48	45	39	0.4	0.26	7.5					
5398	05315-466D-RES	316760.4	6256789.7	77-79 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05315	D	466	NCA10	53	48	45	39	0.4	0.26	7.5					
5399	05325-489D-RES	316778.8	6256808.8	77-79 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05325	D	489	NCA10	53	48	45	39	0.4	0.26	7.5					
5400	05345-463D-RES	316792.0	6256778.8	81-83 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05345	D	463	NCA10	53	48	45	39	0.4	0.26	7.5					
5401	05345-491D-RES	316796.7	6256806.6	81-83 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05345	D	491	NCA10	53	48	45	39	0.4	0.26	7.5					
5402	05370-466D-RES	316813.8	6256775.5	81-83 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05370	D	466	NCA10	53	48	45	39	0.4	0.26	7.5					
5403	05370-491D-RES	316819.7	6256800.4	81-83 THOMAS STREET, PARRAMATTA 2150	RES	Residential		05370	D	491	NCA10	53	48	45	39	0.4	0.26	7.5					
5404	05405-301U-RES	316651.0	6256021.9	21 OAK STREET, PARRAMATTA 2150	RES	Residential		05405	U	301	NCA11	53	48	45	39	0.4	0.26	7.5					
5405	05450-319U-RES	316690.4	6255991.9	113 ARTHUR STREET, ROSEHILL 2142	RES	Residential		05450	U	319	NCA12	61	56	53	46	0.4	0.26	7.5					
5406	05455-335U-RES	316688.9	6255976.7	111 ARTHUR STREET, ROSEHILL 2142	RES	Residential		05455	U	335	NCA12	61	56	53	46	0.4	0.26	7.5					
5407	05460-351U-RES	316691.6	6255958.5	109 ARTHUR STREET, ROSEHILL 2142	RES	Residential		05460	U	351	NCA12	61	56	53	46	0.4	0.26	7.5					
5408	05460-371U-RES	316684.6	6255940.3	107 ARTHUR STREET, ROSEHILL 2142	RES	Residential		05460	U	371	NCA12	61	56	53	46	0.4	0.26	7.5					
5409	T6-22550-289D-RES	316676.5	6255883.5	103 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22550	D	289	NCA12	61	56	53	46	0.4	0.26	7.5					
5410	T6-22535-287D-RES	316676.9	6255868.9	101A ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22535	D	287	NCA12	61	56	53	46	0.4	0.26	7.5					
5411	T6-22520-287D-RES	316674.9	6255853.2	101 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22520	D	287	NCA12	61	56	53	46	0.4	0.26	7.5					
5412	T6-22505-288D-RES	316672.8	6255837.2	99 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22505	D	288	NCA12	61	56	53	46	0.4	0.26	7.5					
5413	T6-22435-291D-RES	316662.9	6255769.3	25 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	D	291	NCA12	61	56	53	46	0.4	0.26	7.5					
5414	T6-22475-282U-RES	316675.6	6255809.4	91 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-22475	U	282	NCA12	61	56	53	46	0.4	0.26	7.5					
5415	05490-359U-RES	316720.3	6255943.5	27 HOPE STREET, ROSEHILL 2142	RES	Residential		05490	U	359	NCA12	61	56	53	46	0.4	0.26	7.5					
5416	T6-22435-271D-RES	316682.6	6255767.2	21 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	D	271	NCA12	61	56	53	46	0.4	0.26	7.5					
5417	05505-353U-RES	316733.9	6255945.9	25 HOPE STREET, ROSEHILL 2142	RES	Residential		05505	U	353	NCA12	61	56	53	46	0.4	0.26	7.5					
5418	05510-307U-RES	316751.0	6255989.1	25 OAK STREET, ROSEHILL 2142	RES	Residential		05510	U	307	NCA12	61	56	53	46	0.4	0.26	7.5					
5419	T6-22380-271D-RES	316677.0	6255711.0	22 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22380	D	271	NCA12	61	56	53	46	0.4	0.26	7.5					
5420	05520-351U-RES	316746.7	6255944.1	23 HOPE STREET, ROSEHILL 2142	RES	Residential		05520	U	351	NCA12	61	56	53	46	0.4	0.26	7.5					
5421	T6-22560-230U-RES	316736.2	6255888.5	24 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22560	U	230	NCA12	61	56	53	46	0.4	0.26	7.5					
5422	T6-22335-274D-RES	316669.5	6255647.8	27 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22335	D	274	NCA12	61	56	53	46	0.4	0.26	7.5					
5423	05530-356U-RES	316757.8	6255936.1	21 HOPE STREET, ROSEHILL 2142	RES	Residential		05530	U	356	NCA12	61	56	53	46	0.4	0.26	7.5					
5424	T6-22385-251U-RES	316697.6	6255716.4	20 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22385	U	251	NCA12	61	56	53	46	0.4	0.26	7.5					
5425	T6-22365-251D-RES	316694.5	6255692.4	20 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22365	D	251	NCA12	61	56	53	46	0.4	0.26	7.5					
5427	T6-22435-230U-RES	316722.9	6255764.2	17 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	U	230	NCA12	61	56	53	46	0.4	0.26	7.5					
5428	T6-22335-252U-RES	316691.2	6255649.8	25 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22335	U	252	NCA12	61	56	53	46	0.4	0.26	7.5					
5429	05545-354U-RES	316771.4	6255934.6	19 HOPE STREET, ROSEHILL 2142	RES	Residential		05545	U	354	NCA12	61	56	53	46	0.4	0.26	7.5					
5430	T6-22560-198D-RES	316767.8	6255882.6	18-22A HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22560	D	198	NCA12	61	56	53	46	0.4	0.26	7.5					
5431	T6-22380-230U-RES	316718.0	6255710.6	18 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22380	U	230	NCA12	61	56	53	46	0.4	0.26	7.5					
5432	05555-349U-RES	316785.0	6255935.7	17 HOPE STREET, ROSEHILL 2142	RES	Residential		05555	U	349	NCA12	61	56	53	46	0.4	0.26	7.5					
5434	T6-22435-209D-RES	316743.8	6255760.2	15 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	D	209	NCA12	61	56	53	46	0.4	0.26	7.5					
5435	05560-300U-RES	316805.7	6255981.2	35 OAK STREET, ROSEHILL 2142	RES	Residential		05560	U	300	NCA12	61	56	53	46	0.4	0.26	7.5					
5436	05560-318U-RES	316803.4	6255963.2	35 OAK STREET, ROSEHILL 2142	RES	Residential		05560	U	318	NCA12	61	56	53	46	0.4	0.26	7.5					
5437	05560-350U-RES	316797.3	6255931.8	15 HOPE STREET, ROSEHILL 2142	RES	Residential		05560	U	350	NCA12	61	56	53	46	0.4	0.26	7.5					
5439	T6-22385-211D-RES	316737.1	6255710.6	16 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22385	D	211	NCA12	61	56	53	46	0.4	0.26	7.5					
5441	T6-22435-186U-RES	316767.0	6255761.2	9-11 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	U	186	NCA12	61	56	53	46	0.4	0.26	7.5					
5442	05570-349U-RES	316810.1	6255930.4	13 HOPE STREET, ROSEHILL 2142	RES	Residential		05570	U	349	NCA12	61	56	53	46	0.4	0.26	7.5					
5443	T6-22565-163D-RES	316803.1	6255884.8	12-16 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22565	D	163	NCA12	61	56	53	46	0.4	0.26	7.5					
5445	05575-346U-RES	316822.8	6255929.9	11 HOPE STREET, ROSEHILL 2142	RES	Residential		05575	U	346	NCA12	61	56	53	46	0.4	0.26	7.5					
5446	05585-342U-RES	316836.4	6255932.0	9 HOPE STREET, ROSEHILL 2142	RES	Residential		05585	U	342	NCA12	61	56	53	46	0.4	0.26	7.5					
5447	T6-22555-142U-RES	316823.4	6255876.3	10 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22555	U	142	NCA12	61	56	53	46	0.4	0.26	7.5					
5448	05590-308U-RES	316847.5	6255964.4	39 OAK STREET, ROSEHILL 2142	RES	Residential		05590	U	308	NCA12	61	56	53	46	0.4	0.26	7.5					
5449	05595-336U-RES	316849.5	6255935.0	7 HOPE STREET, ROSEHILL 2142	RES	Residential		05595	U	336	NCA12	61	56	53	46	0.4	0.26	7.5					
5450	05785-313U-RES	316880.9	6255941.7	126 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		05785	U	313	NCA12	61	56	53	46	0.4	0.26	7.5					
5451	05785-327U-RES	316881.2	6255923.6	1 HOPE STREET, ROSEHILL 2142	RES	Residential		05785	U	327	NCA12	61	56	53	46	0.4	0.26	7.5					
5452	T6-22520-134D-RES	316827.4	6255838.1	8 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22520	D	134	NCA12	61	56	53	46	0.4	0.26	7.5					
5454	T6-22550-088U-RES	316876.5	6255863.5	8 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22550	U	88	NCA12	61	56	53	46	0.4	0.26	7.5					
5456	T6-22440-151D-RES	316802.3	6255759.4	7 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22440	D	151	NCA12	61	56	53	46	0.4	0.26	7.5					
5458	T6-22380-189U-RES	316758.5	6255706.3	14 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22380	U	189	NCA12	61	56	53	46	0.4	0.26	7.5					
5459	T6-22340-207U-RES	316736.4	6255655.9	19 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22340	U	207	NCA12	61	56	53	46	0.4	0.26	7.5					
5460	T6-22510-095U-RES	316865.5	6255826.3	8 HOPE STREET, ROSEHILL 2142	RES	Residential		T6-22510	U	95	NCA12	61	56	53	46	0.4	0.26	7.5					
5461	T6-22435-129D-RES	316823.6	6255752.1	3-5 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	D	129	NCA12	61	56	53	46	0.4	0.26	7.5					
5462	T6-22195-246D-EDU	316685.7	6255523.6	20-40 PROSPECT STREET, ROSEHILL 2142	EDU	Educational		T6-22195	D	246	NCA12	55	55	55	55	0.8	0.8	7.5					
5463	T6-22120-266D-RES	316659.4	6255475.0	24 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22120	D	266	NCA12	61	56	53	46	0.4	0.26	7.5					
5464	T6-22125-256D-RES	316669.4	6255475.3	20 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22125	D	256	NCA12	61	56	53	46	0.4	0.26	7.5					
5465	T6-21905-277D-RES	316618.9	6255286.9	65A ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21905	D	277	NCA12	61	56	53	46	0.4	0.26	7.5					
5466	T6-22445-088U-RES	316865.9	6255759.6	3-5 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22445	U	88	NCA12	61	56	53	46	0.4	0.26	7.5					
5467	T6-22435-111D-RES	316841.5	6255749.1	3-5 WESTON STREET, ROSEHILL 2142	RES	Residential		T6-22435	D	111	NCA12	61	56	53	46	0.4	0.26	7.5					
5468	T6-22350-125U-RES	316819.1	6255663.3	116-118 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22350	U	125	NCA12	61	56	53	46	0.4	0.26	7.5					
5469	T6-22260-177D-RES	316761.3	6255583.2	12-16 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22260	D	177	NCA12	61	56	53	46	0.4	0.26	7.5					
5470	T6-22255-203D-RES	316734.5	6255579.5	18 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22255	D	203	NCA12	61	56	53	46	0.4	0.26	7.5					
5471	T6-22240-179U-RES	316757.7	6255565.1	12-16 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22240	U	179	NCA12	61	56	53	46	0.4	0.26	7.5					
5472	T6-22215-218U-RES	316715.7	6255543.7	10 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22215	U	218	NCA12	61	56	53	46	0.4	0.26	7.5					
5473	T6-22190-218U-RES	316713.8	6255519.7	15 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22190	U	218	NCA12	61	56	53	46	0.4	0.26	7.5					
5474	T6-22125-203D-RES	316722.3	6255470.8	8-16 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22125	D	203	NCA12	61	56	53	46	0.4	0.26	7.5					
5476	T6-22125-241D-RES	316684.1	6255473.9	18 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22125	D	241	NCA12	61	56	53	46	0.4	0.26	7.5					
5477	T6-22105-219D-RES	316700.6	6255439.9	15 CAVERS LANE, ROSEHILL 2142	RES	Residential		T6-22105	D	219	NCA12	61	56	53	46	0.4	0.26	7.5					
5478	T6-22080-273D-RES	316643.4	6255417.2	25 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22080	D	273	NCA12	61	56	53	46	0.4	0.26	7.5					
5479	T6-22045-243D-RES	316669.2	6255376.5	19 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22045	D	243	NCA12	61	56	53	46	0.4	0.26	7.5					
5480	T6-22050-273D-RES	316640.0	6255381.6	25 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22050	D	273	NCA12	61	56	53	46	0.4	0.26	7.5					
5481	T6-21940-278D-RES	316622.5	6255305.9	69 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21940	D	278	NCA12	61	56	53	46	0.4	0.26	7.5					
5482	T6-21895-203D-RES	316688.6	6255259.5	16 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21895	D	203	NCA12	61	56	53	46	0.4	0.26	7.5					
5483	T6-21880-150D-RES	316735.5	6255234.1	13 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21880	D	150	NCA12	61	56	53	46	0.4	0.26	7.5					
5484	T6-21880-201D-RES	316687.5	6255249.2	14 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21880	D	201	NCA12	61	56	53	46	0.4	0.26	7.5					
5485	T6-21895-272D-RES	316621.4	6255276.0	65 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21895	D	272	NCA12	61	56	53	46	0.4	0.26	7.5					
5486	T6-21865-153D-RES	316728.8	6255223.1	11 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21865	D	153	NCA12	61	56	53	46	0.4	0.26	7.5					
5487	T6-21870-197D-RES	316687.9	6255238.4	12 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21870	D	197	NCA12	61	56	53	46	0.4	0.26	7.5					
5488	T6-21875-272D-RES	316618.4	6255266.6	63 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21875	D	272	NCA12	61	56	53	46	0.4	0.26	7.5					
5489	T6-21855-150D-RES	316729.1	6255213.3	9A SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21855	D	150	NCA12	61	56	53	46	0.4	0.26	7.5					
5490	T6-21860-196D-RES	316686.1	6255228.9	10 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21860	D	196	NCA12	61	56	53	46	0.4	0.26	7.5					
5491	T6-21865-270D-RES	316617.3	6255256.7	61 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21865	D	270	NCA12	61	56	53	46	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5492	T6-21840-148D-RES	316727.6	6255203.5	9 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21840	D	148	NCA12	61	56	53	46	0.4	0.26	7.5					
5493	T6-21840-195D-RES	316682.9	6255218.3	8 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21840	D	195	NCA12	61	56	53	46	0.4	0.26	7.5					
5494	T6-21835-143D-RES	316729.2	6255194.2	7 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21835	D	143	NCA12	61	56	53	46	0.4	0.26	7.5					
5495	T6-21840-270D-RES	316613.5	6255245.2	59 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21840	D	270	NCA12	61	56	53	46	0.4	0.26	7.5					
5496	T6-21830-190D-RES	316683.3	6255204.5	6 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21830	D	190	NCA12	61	56	53	46	0.4	0.26	7.5					
5497	T6-21820-142D-RES	316725.5	6255180.4	5 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21820	D	142	NCA12	61	56	53	46	0.4	0.26	7.5					
5498	T6-21825-264D-RES	316612.8	6255227.4	57 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21825	D	264	NCA12	61	56	53	46	0.4	0.26	7.5					
5499	T6-21810-185D-RES	316683.2	6255188.9	2-4 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21810	D	185	NCA12	61	56	53	46	0.4	0.26	7.5					
5500	T6-21790-256D-RES	316616.5	6255214.3	55 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21790	D	256	NCA12	61	56	53	46	0.4	0.26	7.5					
5501	T6-21790-201D-RES	316666.0	6255191.2	2-4 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21790	D	201	NCA12	61	56	53	46	0.4	0.26	7.5					
5502	T6-21785-230D-RES	316638.6	6255199.7	55 ARTHUR STREET, ROSEHILL 2142	RES	Residential		T6-21785	D	230	NCA12	61	56	53	46	0.4	0.26	7.5					
5503	T6-22265-146D-RES	316793.0	6255584.0	10 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22265	D	146	NCA12	61	56	53	46	0.4	0.26	7.5					
5504	T6-22250-106D-RES	316831.3	6255564.8	110-114 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22250	D	106	NCA12	61	56	53	46	0.4	0.26	7.5					
5505	T6-22235-146U-RES	316790.1	6255557.6	10 PROSPECT STREET, ROSEHILL 2142	RES	Residential		T6-22235	U	146	NCA12	61	56	53	46	0.4	0.26	7.5					
5506	T6-22200-093U-RES	316839.5	6255516.9	102-108 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22200	U	93	NCA12	61	56	53	46	0.4	0.26	7.5					
5507	T6-22215-137D-RES	316796.4	6255532.6	1-3 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22215	D	137	NCA12	61	56	53	46	0.4	0.26	7.5					
5508	T6-22215-153D-RES	316780.9	6255535.1	1-3 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22215	D	153	NCA12	61	56	53	46	0.4	0.26	7.5					
5509	T6-22185-136U-RES	316795.1	6255507.0	1-3 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22185	U	136	NCA12	61	56	53	46	0.4	0.26	7.5					
5510	T6-22200-175U-RES	316757.3	6255524.0	5 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22200	U	175	NCA12	61	56	53	46	0.4	0.26	7.5					
5511	T6-22190-152D-RES	316779.0	6255509.1	1-3 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22190	D	152	NCA12	61	56	53	46	0.4	0.26	7.5					
5512	T6-22140-101D-RES	316825.0	6255461.7	88 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22140	D	101	NCA12	61	56	53	46	0.4	0.26	7.5					
5513	T6-22125-139D-CHC	316786.0	6255460.8	2-4 VIRGINIA STREET, ROSEHILL 2142	CHC	Childcare	2	T6-22125	D	139	NCA12	50	50	50	50	0.4	0.4	7.5					
5514	T6-22125-165D-RES	316760.6	6255466.5	6 VIRGINIA STREET, ROSEHILL 2142	RES	Residential		T6-22125	D	165	NCA12	61	56	53	46	0.4	0.26	7.5					
5515	T6-22110-098D-RES	316821.6	6255430.6	88 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22110	D	98	NCA12	61	56	53	46	0.4	0.26	7.5					
5516	T6-22105-146D-RES	316772.9	6255429.7	48-50 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-22105	D	146	NCA12	61	56	53	46	0.4	0.26	7.5					
5517	T6-22110-188D-RES	316731.9	6255437.5	21 CAVERS LANE, ROSEHILL 2142	RES	Residential		T6-22110	D	188	NCA12	61	56	53	46	0.4	0.26	7.5					
5518	T6-22080-096D-RES	316819.3	6255397.4	88 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22080	D	96	NCA12	61	56	53	46	0.4	0.26	7.5					
5519	T6-22080-140D-RES	316775.9	6255402.7	1-9 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22080	D	140	NCA12	61	56	53	46	0.4	0.26	7.5					
5520	T6-22080-169D-RES	316747.4	6255405.1	1-9 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22080	D	169	NCA12	61	56	53	46	0.4	0.26	7.5					
5521	T6-22050-140D-RES	316771.9	6255368.6	1-9 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22050	D	140	NCA12	61	56	53	46	0.4	0.26	7.5					
5522	T6-22050-168D-RES	316744.5	6255370.8	1-9 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22050	D	168	NCA12	61	56	53	46	0.4	0.26	7.5					
5523	T6-22050-193D-RES	316720.2	6255376.1	11 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22050	D	193	NCA12	61	56	53	46	0.4	0.26	7.5					
5524	T6-22055-205D-RES	316708.0	6255380.0	13 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22055	D	205	NCA12	61	56	53	46	0.4	0.26	7.5					
5525	T6-22055-231D-RES	316682.4	6255385.1	17 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22055	D	231	NCA12	61	56	53	46	0.4	0.26	7.5					
5526	T6-22050-218D-RES	316695.0	6255376.6	15 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22050	D	218	NCA12	61	56	53	46	0.4	0.26	7.5					
5527	T6-22005-136D-RES	316771.5	6255326.0	2 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-22005	D	136	NCA12	61	56	53	46	0.4	0.26	7.5					
5528	T6-21990-151D-RES	316755.5	6255322.6	4 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21990	D	151	NCA12	61	56	53	46	0.4	0.26	7.5					
5529	T6-21995-168D-RES	316739.1	6255327.3	6 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21995	D	168	NCA12	61	56	53	46	0.4	0.26	7.5					
5530	T6-22005-209D-RES	316699.1	6255338.2	30 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-22005	D	209	NCA12	61	56	53	46	0.4	0.26	7.5					
5531	T6-21980-169D-RES	316735.6	6255314.0	6 ELEANOR STREET, ROSEHILL 2142	RES	Residential		T6-21980	D	169	NCA12	61	56	53	46	0.4	0.26	7.5					
5532	T6-22005-237D-RES	316671.0	6255340.6	30 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-22005	D	237	NCA12	61	56	53	46	0.4	0.26	7.5					
5533	T6-21985-215D-RES	316691.8	6255329.7	28 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21985	D	215	NCA12	61	56	53	46	0.4	0.26	7.5					
5534	T6-21970-161D-RES	316741.9	6255304.4	27 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	161	NCA12	61	56	53	46	0.4	0.26	7.5					
5535	T6-21970-212D-RES	316691.9	6255315.6	26 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21970	D	212	NCA12	61	56	53	46	0.4	0.26	7.5					
5536	T6-21955-164D-RES	316737.6	6255294.4	25 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21955	D	164	NCA12	61	56	53	46	0.4	0.26	7.5					
5537	T6-21940-165D-RES	316733.9	6255284.8	23 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21940	D	165	NCA12	61	56	53	46	0.4	0.26	7.5					
5538	T6-21945-210D-RES	316691.4	6255300.0	24 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21945	D	210	NCA12	61	56	53	46	0.4	0.26	7.5					
5539	T6-21945-234D-RES	316667.4	6255303.2	24 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21945	D	234	NCA12	61	56	53	46	0.4	0.26	7.5					
5540	T6-21940-203D-RES	316696.2	6255289.5	22 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21940	D	203	NCA12	61	56	53	46	0.4	0.26	7.5					
5541	T6-21915-160D-RES	316735.3	6255266.4	19 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21915	D	160	NCA12	61	56	53	46	0.4	0.26	7.5					
5542	T6-21915-207D-RES	316689.4	6255278.9	20 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21915	D	207	NCA12	61	56	53	46	0.4	0.26	7.5					
5543	T6-21905-158D-RES	316734.0	6255254.8	17 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21905	D	158	NCA12	61	56	53	46	0.4	0.26	7.5					
5544	T6-21905-206D-RES	316687.7	6255268.7	18 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21905	D	206	NCA12	61	56	53	46	0.4	0.26	7.5					
5545	T6-21895-154D-RES	316734.9	6255244.1	15 SHORT STREET, ROSEHILL 2142	RES	Residential		T6-21895	D	154	NCA12	61	56	53	46	0.4	0.26	7.5					
5546	T6-21875-077D-RES	316803.6	6255205.5	57-61 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21875	D	77	NCA12	61	56	53	46	0.4	0.26	7.5					
5547	T6-21845-069D-RES	316804.0	6255180.9	63-65 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21845	D	69	NCA12	61	56	53	46	0.4	0.26	7.5					
5549	T6-21835-062D-RES	316805.2	6255165.7	67 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21835	D	62	NCA12	61	56	53	46	0.4	0.26	7.5					
5550	T6-21830-089D-RES	316777.7	6255169.5	67 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21830	D	89	NCA12	61	56	53	46	0.4	0.26	7.5					
5551	T6-21825-058D-RES	316806.2	6255156.5	69 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21825	D	58	NCA12	61	56	53	46	0.4	0.26	7.5					
5552	T6-22435-029U-COM	316981.4	6255738.4	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22435	U	29	NCA12	70	70	70	70	0.8	0.8	7.5					
5553	T6-22400-039D-COM	316987.3	6255699.0	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22400	D	39	NCA12	70	70	70	70	0.8	0.8	7.5					
5554	T6-22375-041D-COM	316986.3	6255675.4	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22375	D	41	NCA12	70	70	70	70	0.8	0.8	7.5					
5555	T6-22050-098D-RES	316814.1	6255364.2	88 JAMES RUSE DRIVE, ROSEHILL 2142	RES	Residential		T6-22050	D	98	NCA12	61	56	53	46	0.4	0.26	7.5					
5556	T6-21985-094D-RES	316810.9	6255305.3	35-43 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21985	D	94	NCA12	61	56	53	46	0.4	0.26	7.5					
5557	T6-21950-085D-RES	316814.2	6255275.9	45 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21950	D	85	NCA12	61	56	53	46	0.4	0.26	7.5					
5558	T6-21940-086D-RES	316810.8	6255265.8	47 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21940	D	86	NCA12	61	56	53	46	0.4	0.26	7.5					
5559	T6-21930-082D-RES	316812.6	6255255.1	49 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21930	D	82	NCA12	61	56	53	46	0.4	0.26	7.5					
5560	T6-21915-081D-RES	316811.5	6255245.5	51 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21915	D	81	NCA12	61	56	53	46	0.4	0.26	7.5					
5561	T6-21905-080D-RES	316809.5	6255236.0	53 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21905	D	80	NCA12	61	56	53	46	0.4	0.26	7.5					
5562	T6-21895-077D-RES	316809.4	6255225.2	55 PENELOPE LUCAS LANE, ROSEHILL 2142	RES	Residential		T6-21895	D	77	NCA12	61	56	53	46	0.4	0.26	7.5					
5563	T6-22470-091U-COM	317045.8	6255766.6	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22470	U	91	NCA12	70	70	70	70	0.8	0.8	7.5					
5564	T6-22215-052U-COM	316984.8	6255516.7	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22215	U	52	NCA12	70	70	70	70	0.8	0.8	7.5					
5565	T6-22205-110U-COM	317041.5	6255501.5	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22205	U	110	NCA12	70	70	70	70	0.8	0.8	7.5					
5566	T6-22205-082U-COM	317013.5	6255502.7	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22205	U	82	NCA12	70	70	70	70	0.8	0.8	7.5					
5567	T6-22180-044D-IND	316972.8	6255480.4	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22180	D	44	NCA12	75	75	75	75	1.6	1.6	7.5					
5568	T6-22130-124U-IND	317047.6	6255426.8	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22130	U	124	NCA12	75	75	75	75	1.6	1.6	7.5					
5569	T6-22110-045U-IND	316967.6	6255414.2	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22110	U	45	NCA12	75	75	75	75	1.6	1.6	7.5					
5570	T6-22060-042U-IND	316959.2	6255363.8	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22060	U	42	NCA12	75	75	75	75	1.6	1.6	7.5					
5571	T6-22000-111U-IND	317019.8	6255293.8	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22000	U	111	NCA12	75	75	75	75	1.6	1.6	7.5					
5572	T6-21995-038U-IND	316947.7	6255301.2	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-21995	U	38	NCA12	75	75	75	75	1.6	1.6	7.5					
5573	T6-21950-052U-IND	316952.0	6255248.8	1B UNWIN STREET, ROSEHILL 2142	IND	Industrial		T6-21950	U	52	NCA12	75	75	75	75	1.6	1.6	7.5					
5574	T6-21880-191U-IND	317066.7	6255135.1	1B UNWIN STREET, ROSEHILL 2142	IND	Industrial		T6-21880	U	191	NCA12	75	75	75	75	1.6	1.6	7.5					
5575	T6-22300-143D-COM	317083.9	6255589.7	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22300	D	143	NCA12	70	70	70	70	0.8	0.8	7.5					
5576	T6-22225-163D-COM	317096.1	6255512.0	29 JAMES RUSE DRIVE, ROSEHILL 2142	COM	Commercial		T6-22225	D	163	NCA12	70	70	70	70	0.8	0.8	7.5					
5577	T6-22020-159U-IND	317069.7	6255307.6	29 JAMES RUSE DRIVE, ROSEHILL 2142	IND	Industrial		T6-22020	U	159	NCA12	75	75	75	75	1.6	1.6	7.5					
5578	T6-21945-163U-IND	317059.4	6255217.4	1B UNWIN STREET, ROSEHILL 2142	IND	Industrial		T6-21945	U	163	NCA12	75	75	75	75	1.6	1.6	7.5					
5579	SY0-591D-IND	317726.6	6255373.9	7 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	D	591	NCA12	75	75	75	75	1.6	1.6	7.5					
5580	SY0-542U-IND	318063.9	6255446.3	10 COLQUHOUN STREET, ROSEHILL 2142	IND	Industrial		SY0	U	542	NCA12	75	75	75	75	1.6	1.6	7.5					
5581	SY0-362U-IND	317880.9	6255588.9	10 COLQUHOUN STREET, ROSEHILL 2142	IND	Industrial		SY0	U	362	NCA12	75	75	75	75	1.6	1.6	7.5					
5582	SY0-419U-IND	318006.5	6255556.8	10 COLQUHOUN STREET, ROSEHILL 2142	IND	Industrial		SY0	U	419	NCA12	75	75	75	75	1.6	1.6	7.5					
5583	SY0-311U-IND	318106.9	6255756.2	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	311	NCA12	75	75	75	75	1.6	1.6	7.5					
5584	SY0-334U-IND	318148.8	6255775.1	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	334	NCA12	75	75	75	75	1.6	1.6	7.5					
5585	SY0-393U-IND	318151.0	6255681.6	10 GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	393	NCA12	75	75	75	75	1.6	1.6	7.5					
5586	SY0-490U-IND	318309.5	6255746.7	10B GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	490	NCA13	75	75	75	75	1.6	1.6	7.5					
5587	SY0-607U-IND	318403.0	6255671.4	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	U	607	NCA13	75	75	75	75	1.6	1.6	7.5					
5588	SY0-672U-IND	318477.7	6255677.4	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	U	672	NCA13	75	75	75	75	1.6	1.6	7.5					
5589	SY0-388U-IND	318248.4	6255897.8	10A GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	388	NCA13	75	75	75	75	1.6	1.6	7.5					
5590	SY0-461U-IND	318312.8	6255847.0	10B GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY0	U	461	NCA13	75	75	75	75	1.6	1.6	7.5					
5591	SY0-635U-IND	318486.8	6255827.3	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	U	635	NCA13	75	75	75	75	1.6	1.6	7.5					
5592	SY0-643U-IND	318483.9	6255779.5	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	U	643	NCA13	75	75	75	75	1.6	1.6	7.5					
5593	SY0-564U-IND	318423.6	6255878.2	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY0	U	564	NCA13	75	75	75	75	1.6	1.6	7.5					
5594	SY30-381U-IND	318244.8	6255940.5	10A GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY30	U	381	NCA13	75	75	75	75	1.6	1.6	7.5					
5595	SY25-404U-IND	318267.7	6255934.6	10A GRAND AVENUE, ROSEHILL 2142	IND	Industrial		SY25	U	404	NCA13	75	75	75	75	1.6	1.6	7.5					
5596	SY10-564U-IND	318426.1	6255899.6	9 DEVON STREET, ROSEHILL 2142	IND	Industrial		SY10	U	564	NCA13	75	75	75	75	1.6	1.6	7.5					
5597	SY60-410U-IND	318276.0	6256008.3	21 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY60	U	410	NCA13	75	75	75	75	1.6	1.6	7.5					
5598	SY65-375U-IND	318238.3	6256060.7	19 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY65	U	375	NCA13	75	75	75	75	1.6	1.6	7.5					
5599	SY75-356U-IND	318217.6	6256074.0	19 GRAND AVENUE, CAMELLIA 2142	IND	Industrial		SY75	U	356	NCA12	75	75	75	75	1.6	1.6	7.5					
5600	00060-419D-EDU	313367.5	6257570.5	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00060	D	419	NCA02	55	55	55	55	0.8	0.8	7.5					
5601	SY440-302U-IND	317544.0	6256393.0	1 ALAN STREET, RYDALMERE 2116	IND	Industrial		SY440	U	302	NCA14	75	75	75	75	1.6	1.6	7.5					
5602	SY415-333U-IND	317575.8	6256421.0	1 ALAN STREET, RYDALMERE 2116	IND	Industrial		SY415	U	333	NCA14	75	75	75	75	1.6	1.6	7.5					
5603	06285-472D-RES	316837.2	6256790.6	85 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06285	D	472	NCA10	53	48	45	39	0.4	0.26	7.5					
5604	06290-455D-RES	316855.3	6256789.6	87 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06290	D	455	NCA10	53	48	45	39	0.4	0.26	7.5					
5605	06295-434D-RES	316876.5	6256785.9	89 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06295	D	434	NCA10	53	48	45	39	0.4	0.26	7.5					
5606	06300-370D-RES	316936.2	6256762.4	93-95 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06300	D	370	NCA10	53	48	45	39	0.4	0.26	7.5					
5607	SY305-354U-IND	317684.7	6256431.6	1 ALAN STREET, RYDALMERE 2116	IND	Industrial		SY305	U	354	NCA14	75	75	75	75	1.6	1.6	7.5					
5608	SY65-636U-IND	318500.2	6256065.5	3 THACKERAY STREET, CAMELLIA 2142	IND	Industrial		SY65	U	636	NCA13	75	75	75	75	1.6	1.6	7.5					
5609	06345-454D-RES	316877.4	6256836.5	128 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06345	D	454	NCA10	53	48	45	39	0.4	0.26	7.5					
5610	06350-441D-RES	316892.7	6256838.0	130 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06350	D	441	NCA10	53	48	45	39	0.4	0.26	7.5					
5611	06355-408D-RES	316924.6	6256829.5	134 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06355	D	408	NCA10	53	48	45	39	0.4	0.26	7.5					

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5612	06355-423D-RES	316910.9	6256833.6	132A THOMAS STREET, PARRAMATTA 2150	RES	Residential		06355	D	423	NCA10	53	48	45	39	0.4	0.26	7.5					
5613	SY85-588U-IND	318442.9	6256137.3	3 THACKERAY STREET, CAMELLIA 2142	IND	Industrial		SY85	U	588	NCA13	75	75	75	75	1.6	1.6	7.5					
5614	06365-379D-RES	316955.1	6256825.5	138 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06365	D	379	NCA10	53	48	45	39	0.4	0.26	7.5					
5615	06365-397D-RES	316938.7	6256832.5	136 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06365	D	397	NCA10	53	48	45	39	0.4	0.26	7.5					
5616	06370-315D-EDU	317015.0	6256802.8	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06370	D	315	NCA14	55	55	55	55	0.8	0.8	7.5					
5617	06375-430D-RES	316912.3	6256855.1	132 THOMAS STREET, PARRAMATTA 2150	RES	Residential		06375	D	430	NCA10	53	48	45	39	0.4	0.26	7.5					
5618	SY120-353U-IND	317897.8	6256407.4	2-8 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY120	U	353	NCA14	75	75	75	75	1.6	1.6	7.5					
5619	SY105-352U-IND	318033.2	6256355.1	10 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY105	U	352	NCA14	75	75	75	75	1.6	1.6	7.5					
5620	SY95-458U-IND	318255.1	6256277.3	26 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY95	U	458	NCA14	75	75	75	75	1.6	1.6	7.5					
5621	06410-439D-RES	316920.2	6256893.0	23 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06410	D	439	NCA10	53	48	45	39	0.4	0.26	7.5					
5622	06410-456D-RES	316905.3	6256900.6	21 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06410	D	456	NCA10	53	48	45	39	0.4	0.26	7.5					
5623	06410-470D-RES	316891.1	6256903.4	19 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06410	D	470	NCA10	53	48	45	39	0.4	0.26	7.5					
5624	SY115-377U-COM	317962.1	6256415.7	10 SOUTH STREET, RYDALMERE 2116	COM	Commercial		SY115	U	377	NCA14	70	70	70	70	0.8	0.8	7.5					
5625	06420-409D-RES	316950.6	6256887.9	27 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06420	D	409	NCA10	53	48	45	39	0.4	0.26	7.5					
5626	06420-424D-RES	316937.5	6256894.8	25 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06420	D	424	NCA10	53	48	45	39	0.4	0.26	7.5					
5627	06425-391D-RES	316968.4	6256883.6	29 TENNYSON STREET, PARRAMATTA 2150	RES	Residential		06425	D	391	NCA10	53	48	45	39	0.4	0.26	7.5					
5628	SY85-679U-IND	318526.3	6256179.9	3 THACKERAY STREET, CAMELLIA 2142	IND	Industrial		SY85	U	679	NCA13	75	75	75	75	1.6	1.6	7.5					
5629	SY100-421U-IND	318122.5	6256375.5	10 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY100	U	421	NCA14	75	75	75	75	1.6	1.6	7.5					
5630	SY90-535U-IND	318339.3	6256283.3	25 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY90	U	535	NCA14	75	75	75	75	1.6	1.6	7.5					
5631	06450-413U-IND	317713.9	6256570.2	1 ALAN STREET, RYDALMERE 2116	IND	Industrial		06450	U	413	NCA14	75	75	75	75	1.6	1.6	7.5					
5632	SY85-744U-IND	318591.7	6256185.8	3 THACKERAY STREET, CAMELLIA 2142	IND	Industrial		SY85	U	744	NCA13	75	75	75	75	1.6	1.6	7.5					
5633	SY85-733U-IND	318578.2	6256195.9	3 THACKERAY STREET, CAMELLIA 2142	IND	Industrial		SY85	U	733	NCA13	75	75	75	75	1.6	1.6	7.5					
5634	SY100-481U-IND	318191.1	6256394.8	12 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY100	U	481	NCA14	75	75	75	75	1.6	1.6	7.5					
5635	SY100-528U-IND	318260.9	6256389.3	20 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY100	U	528	NCA14	75	75	75	75	1.6	1.6	7.5					
5636	SY95-599U-IND	318365.2	6256365.8	23 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY95	U	599	NCA14	75	75	75	75	1.6	1.6	7.5					
5637	SY110-516U-IND	318064.8	6256523.3	10 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY110	U	516	NCA14	75	75	75	75	1.6	1.6	7.5					
5638	06575-302D-EDU	317111.8	6256983.1	171 VICTORIA ROAD, PARRAMATTA 2150	EDU	Educational		06575	D	302	NCA14	55	55	55	55	0.8	0.8	7.5					
5639	SY100-602U-IND	318280.4	6256476.7	14 PIKE STREET, RYDALMERE 2116	IND	Industrial		SY100	U	602	NCA14	75	75	75	75	1.6	1.6	7.5					
5640	06750-326U-IND	317756.4	6256839.4	47 MARY PARADE, RYDALMERE 2116	IND	Industrial		06750	U	326	NCA14	75	75	75	75	1.6	1.6	7.5					
5641	06775-312U-IND	317752.9	6256861.4	45 MARY PARADE, RYDALMERE 2116	IND	Industrial		06775	U	312	NCA14	75	75	75	75	1.6	1.6	7.5					
5642	06785-302U-IND	317749.0	6256873.8	43 MARY PARADE, RYDALMERE 2116	IND	Industrial		06785	U	302	NCA14	75	75	75	75	1.6	1.6	7.5					
5643	06795-329U-IND	317775.2	6256864.6	40 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06795	U	329	NCA14	75	75	75	75	1.6	1.6	7.5					
5644	06815-317U-IND	317772.3	6256881.0	38 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06815	U	317	NCA14	75	75	75	75	1.6	1.6	7.5					
5645	06825-307U-IND	317769.5	6256893.9	36 BRIDGE STREET, RYDALMERE 2116	IND	Industrial		06825	U	307	NCA14	75	75	75	75	1.6	1.6	7.5					
5646	SY100-667U-IND	318365.5	6256479.9	34-36 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY100	U	667	NCA14	75	75	75	75	1.6	1.6	7.5					
5647	SY95-686U-IND	318417.1	6256445.4	34-36 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY95	U	686	NCA14	75	75	75	75	1.6	1.6	7.5					
5648	SY95-706U-IND	318456.7	6256422.8	38-46 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY95	U	706	NCA14	75	75	75	75	1.6	1.6	7.5					
5649	SY95-762U-IND	318520.5	6256424.6	38-46 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY95	U	762	NCA14	75	75	75	75	1.6	1.6	7.5					
5650	SY95-730U-IND	318427.7	6256504.3	34-36 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY95	U	730	NCA14	75	75	75	75	1.6	1.6	7.5					
5651	SY90-806U-IND	318582.2	6256401.7	38-46 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY90	U	806	NCA14	75	75	75	75	1.6	1.6	7.5					
5652	06940-303D-RES	317342.1	6257347.4	266 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		06940	D	303	NCA15	55	50	48	42	0.4	0.26	7.5					
5653	SY90-829U-IND	318595.0	6256428.8	38-46 SOUTH STREET, RYDALMERE 2116	IND	Industrial		SY90	U	829	NCA14	75	75	75	75	1.6	1.6	7.5					
5654	SY95-823U-COM	318575.0	6256451.7	38-46 SOUTH STREET, RYDALMERE 2116	COM	Commercial		SY95	U	823	NCA14	70	70	70	70	0.8	0.8	7.5					
5655	SY90-855U-IND	318633.6	6256408.2	2 PARK ROAD, RYDALMERE 2116	IND	Industrial		SY90	U	855	NCA14	75	75	75	75	1.6	1.6	7.5					
5656	SY95-840U-COM	318598.4	6256446.1	38-46 SOUTH STREET, RYDALMERE 2116	COM	Commercial		SY95	U	840	NCA14	70	70	70	70	0.8	0.8	7.5					
5657	06980-301D-RES	317367.9	6257377.3	266 VICTORIA ROAD, PARRAMATTA 2150	RES	Residential		06980	D	301	NCA15	55	50	48	42	0.4	0.26	7.5					
5658	06990-347U-IND	317895.9	6256996.1	257 VICTORIA ROAD, RYDALMERE 2116	IND	Industrial		06990	U	347	NCA14	75	75	75	75	1.6	1.6	7.5					
5659	00070-338U-RES	314051.8	6257239.0	4 PARK AVENUE, WESTMEAD 2145	RES	Residential		00070	U	338	NCA03	61	56	53	48	0.4	0.26	7.5					
5660	00070-388D-EDU	313399.5	6257565.6	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00070	D	388	NCA02	55	55	55	55	0.8	0.8	7.5					
5661	07430-306U-RES	318067.8	6257519.5	3-17 ADELINE STREET, RYDALMERE 2116	RES	Residential		07430	U	306	NCA15	55	50	48	42	0.4	0.26	7.5					
5662	07485-318U-RES	318096.3	6257568.5	3-17 ADELINE STREET, RYDALMERE 2116	RES	Residential		07485	U	318	NCA15	55	50	48	42	0.4	0.26	7.5					
5663	07650-314D-RES	317649.7	6258038.0	10 TULONG AVENUE, OATLANDS 2117	RES	Residential		07650	D	314	NCA16	56	51	47	39	0.4	0.26	7.5					
5664	07705-303D-RES	317756.3	6258103.4	1 CONWAY PLACE, OATLANDS 2117	RES	Residential		07705	D	303	NCA16	56	51	47	39	0.4	0.26	7.5					
5665	07790-312U-RES	318138.2	6257608.7	4 JOSEPH STREET, RYDALMERE 2116	RES	Residential		07790	U	312	NCA15	55	50	48	42	0.4	0.26	7.5					
5666	07800-305D-RES	317836.0	6258150.5	5 BELLS ROAD, OATLANDS 2117	RES	Residential		07800	D	305	NCA16	56	51	47	39	0.4	0.26	7.5					
5667	07840-317U-RES	318193.2	6257636.1	1A JOSEPH STREET, RYDALMERE 2116	RES	Residential		07840	U	317	NCA15	55	50	48	42	0.4	0.26	7.5					
5668	07865-317U-RES	318209.8	6257645.7	32 CALDER ROAD, RYDALMERE 2116	RES	Residential		07865	U	317	NCA15	55	50	48	42	0.4	0.26	7.5					
5669	07875-304D-RES	317904.4	6258190.5	34 GREENS AVENUE, OATLANDS 2117	RES	Residential		07875	D	304	NCA16	56	51	47	39	0.4	0.26	7.5					
5670	07885-327U-RES	318224.9	6257643.2	34 CALDER ROAD, RYDALMERE 2116	RES	Residential		07885	U	327	NCA15	55	50	48	42	0.4	0.26	7.5					
5671	07955-307U-RES	318276.8	6257695.3	15 CALDER ROAD, RYDALMERE 2116	RES	Residential		07955	U	307	NCA15	55	50	48	42	0.4	0.26	7.5					
5672	07970-317U-RES	318294.2	6257692.5	17 CALDER ROAD, RYDALMERE 2116	RES	Residential		07970	U	317	NCA15	55	50	48	42	0.4	0.26	7.5					
5673	07985-324D-RES	317994.6	6258264.2	49 GREENS AVENUE, OATLANDS 2117	RES	Residential		07985	D	324	NCA16	56	51	47	39	0.4	0.26	7.5					
5674	08000-301D-RES	318029.3	6258256.2	53 GREENS AVENUE, OATLANDS 2117	RES	Residential		08000	D	301	NCA16	56	51	47	39	0.4	0.26	7.5					
5675	08025-311D-RES	318074.5	6258287.6	5 HOLMES AVENUE, OATLANDS 2117	RES	Residential		08025	D	311	NCA16	56	51	47	39	0.4	0.26	7.5					
5676	08085-316U-RES	318342.3	6257712.2	1 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08085	U	316	NCA15	55	50	48	42	0.4	0.26	7.5					
5677	08090-301U-RES	318343.8	6257729.3	3 KENWORTHY STREET, DUNDAS 2117	RES	Residential		08090	U	301	NCA15	55	50	48	42	0.4	0.26	7.5					
5678	08145-311U-RES	318398.8	6257736.5	4 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08145	U	311	NCA15	55	50	48	42	0.4	0.26	7.5					
5679	08160-316U-RES	318418.0	6257737.8	3 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08160	U	316	NCA15	55	50	48	42	0.4	0.26	7.5					
5680	08170-323U-RES	318433.8	6257735.9	2 ARRUNGA STREET, DUNDAS 2117	RES	Residential		08170	U	323	NCA15	55	50	48	42	0.4	0.26	7.5					
5681	08210-309U-RES	318514.7	6257786.5	23A ELDER ROAD, DUNDAS 2117	RES	Residential		08210	U	309	NCA16	56	51	47	39	0.4	0.26	7.5					
5682	08215-301U-RES	318512.3	6257794.1	23 ELDER ROAD, DUNDAS 2117	RES	Residential		08215	U	301	NCA16	56	51	47	39	0.4	0.26	7.5					
5683	08225-302U-RES	318541.1	6257810.4	17A ELDER ROAD, DUNDAS 2117	RES	Residential		08225	U	302	NCA16	56	51	47	39	0.4	0.26	7.5					
5684	08265-310U-RES	318613.1	6257855.2	10 DORA CRESCENT, DUNDAS 2117	RES	Residential		08265	U	310	NCA16	56	51	47	39	0.4	0.26	7.5					
5685	08270-303U-RES	318620.5	6257870.4	12 DORA CRESCENT, DUNDAS 2117	RES	Residential		08270	U	303	NCA16	56	51	47	39	0.4	0.26	7.5					
5686	08345-308U-RES	318715.8	6257977.8	160 PARK ROAD, DUNDAS 2117	RES	Residential		08345	U	308	NCA16	56	51	47	39	0.4	0.26	7.5					
5687	08405-320U-RES	318760.6	6258023.0	169 PARK ROAD, DUNDAS 2117	RES	Residential		08405	U	320	NCA16	56	51	47	39	0.4	0.26	7.5					
5688	08415-307U-RES	318754.5	6258037.0	171 PARK ROAD, DUNDAS 2117	RES	Residential		08415	U	307	NCA16	56	51	47	39	0.4	0.26	7.5					
5689	08450-317U-RES	318787.9	6258070.1	38 KARIWARA STREET, DUNDAS 2117	RES	Residential		08450	U	317	NCA16	56	51	47	39	0.4	0.26	7.5					
5690	08455-304U-RES	318782.0	6258086.7	40 KARIWARA STREET, DUNDAS 2117	RES	Residential		08455	U	304	NCA16	56	51	47	39	0.4	0.26	7.5					
5691	08480-302U-RES	318808.1	6258138.5	45 KARIWARA STREET, DUNDAS 2117	RES	Residential		08480	U	302	NCA16	56	51	47	39	0.4	0.26	7.5					
5692	08500-306U-RES	318826.2	6258171.8	12 YAWUNG STREET, DUNDAS 2117	RES	Residential		08500	U	306	NCA16	56	51	47	39	0.4	0.26	7.5					
5693	08530-314U-RES	318855.2	6258237.9	11B YAWUNG STREET, DUNDAS 2117	RES	Residential		08530	U	314	NCA16	56	51	47	39	0.4	0.26	7.5					
5694	08535-301U-RES	318845.7	6258251.5	11B YAWUNG STREET, DUNDAS 2117	RES	Residential		08535	U	301	NCA16	56	51	47	39	0.4	0.26	7.5					
5695	08590-304U-RES	318862.0	6258371.7	168A KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08590	U	304	NCA16	56	51	47	39	0.4	0.26	7.5					
5696	08605-303U-RES	318859.9	6258403.1	170 KISSING POINT ROAD, DUNDAS 2117	RES	Residential		08605	U	303	NCA16	56	51	47	39	0.4	0.26	7.5					
5697	00090-341D-EDU	313450.3	6257561.3	2 DARCY ROAD, WESTMEAD 2145	EDU	Educational		00090	D	341	NCA02	55	55	55	55	0.8	0.8	7.5					
5698	09175-304U-RES	318923.1	6258766.9	19 STURT STREET, TELOPEA 2117	RES	Residential		09175	U	304	NCA17	53	48	45	36	0.4	0.26	7.5					
5699	09205-307D-RES	318400.9	6259092.7	4 WYLDE STREET, TELOPEA 2117	RES	Residential		09205	D	307	NCA17	53	48	45	36	0.4	0.26	7.5					
5700	09225-309D-RES	318410.5	6259113.1	4 WYLDE STREET, TELOPEA 2117	RES	Residential		09225	D	309	NCA17	53	48	45	36	0.4	0.26	7.5					
5701	09240-304U-RES	318955.5	6258824.2	19 STURT STREET, TELOPEA 2117	RES	Residential		09240	U	304	NCA17	53	48	45	36	0.4	0.26	7.5					
5702	09270-300U-RES	318967.1	6258853.0	19 STURT STREET, TELOPEA 2117	RES	Residential		09270	U	300	NCA17	53	48	45	36	0.4	0.26	7.5					
5703	09410-310D-RES	318593.7	6259355.1	29 WILKINSON LANE, TELOPEA 2117	RES	Residential		09410	D	310	NCA18	52	47	45	37	0.4	0.26	7.5					
5704	09435-312D-RES	318635.1	6259386.9	6 GRACE STREET, TELOPEA 2117	RES	Residential		09435	D	312	NCA18	52	47	45	37	0.4	0.26	7.5					
5705	09440-301D-RES	318652.0	6259384.2	4 GRACE STREET, TELOPEA 2117	RES	Residential		09440	D	301	NCA18	52	47	45	37	0.4	0.26	7.5					
5706	09485-309D-RES	318705.7	6259424.2	35A TELOPEA STREET, TELOPEA 2117	RES	Residential		09485	D	309	NCA18	52	47	45	37	0.4	0.26	7.5					
5707	09500-303D-RES	318718.5	6259423.3	35 TELOPEA STREET, TELOPEA 2117	RES	Residential		09500	D	303	NCA18	52	47	45	37	0.4	0.26	7.5					
5708	00095-341U-RES	314066.1	6257261.7	7 PARK AVENUE, WESTMEAD 2145	RES	Residential		00095	U	341	NCA03	61	56	53	48	0.4	0.26	7.5					
5709	09555-311U-RES	319059.3	6258905.2	4 THE PARADE , TELOPEA 2117	RES	Residential		09555	U	311	NCA17	53	48	45	36	0.4	0.26	7.5					
5710	09565-305U-RES	319071.6	6258918.8	6 THE PARADE , TELOPEA 2117	RES	Residential		09565	U	305	NCA17	53	48	45	36	0.4	0.26	7.5					
5711	09615-324U-RES	319162.8	6258956.1	23 EVANS ROAD, TELOPEA 2117	RES	Residential		09615	U	324	NCA17	53	48	45	36	0.4	0.26	7.5					
5712	09625-306U-RES	319171.2	6258985.9	1 SOPHIE STREET, TELOPEA 2117	RES	Residential		09625	U	306	NCA17	53	48	45	36	0.4	0.26	7.5					
5713	09650-304U-RES	319214.7	6259030.7	6A SOPHIE STREET, TELOPEA 2117	RES	Residential		09650	U	304	NCA18	52	47	45	37	0.4	0.26	7.5					
5714	09675-301U-RES	319242.2	6259067.7	4 COOK STREET, TELOPEA 2117	RES	Residential		09675	U	301	NCA18	52	47	45	37	0.4	0.26	7.5					
5715	09680-306U-RES	319254.3	6259076.3	6 COOK STREET, TELOPEA 2117	RES	Residential		09680	U	306	NCA18	52	47	45	37	0.4	0.26	7.5					
5716	09685-310U-RES	319266.7	6259085.8	8 COOK STREET, TELOPEA 2117	RES	Residential		09685	U	310	NCA18	52	47	45	37	0.4	0.26	7.5					
5717	09690-316U-RES	319279.9	6259094.3	10A COOK STREET, TELOPEA 2117	RES	Residential		09690	U	316	NCA18	52	47	45	37	0.4	0.26	7.5					
5718	09700-322U-RES	319292.6	6259102.5	12A COOK STREET, TELOPEA 2117	RES	Residential		09700	U	322	NCA18	52	47	45	37	0.4	0.26	7.5					
5719	09735-301U-RES	319314.1	6259188.7	17 COOK STREET, TELOPEA 2117	RES	Residential		09735	U	301	NCA18	52	47	45	37	0.4	0.26	7.5					
5720	09740-309U-RES	319326.4	6259197.5	19 COOK STREET, TELOPEA 2117	RES	Residential		09740	U	309	NCA18	52	47	45	37	0.4	0.26	7.5					
5721	09745-319U-RES	319339.4	6259204.7	21 COOK STREET, TELOPEA 2117	RES	Residential		09745	U	319	NCA18	52	47	45	37	0.4	0.26	7.5					
5722	09980-321U-RES	319323.5	6259658.5	2 LACHLAN GROVE, CARLINGFORD 2118	RES	Residential		09980	U	321	NCA18	52	47	45	37	0.4	0.26	7.5					
5723	09995-319D-RES	318715.5	6259446.1	37 TELOPEA STREET, TELOPEA 2117	RES	Residential		09995	D	319	NCA18	52	47	45	37	0.4	0.26	7.5					
5724	00020-003D-EQU	313650.2	6257384.8	158-164 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00020	D	83	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WSU	Microscopes	VC-A	Refer to 2765
5725	06685-089-EQU	317364.2	6257001.0	171 VICTORIA ROAD, PARRAMATTA 2150	EQU	Sensitive Equipment	1	06685	D	89	NCA14	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WSU	NMR Bruker DPX200 & DRX300	0.1 mm/s^2	Refer to 2845
5726	06675-083-EQU	317364.4	6256989.7	171 VICTORIA ROAD, PARRAMATTA 2150	EQU	Sensitive Equipment	1	06675	D	83	NCA14	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WSU	SEM JEOL JSM-840 (x300,000)	VC-D	Refer to 2845
5727	06670-091-EQU	317354.5	6256989.5	171 VICTORIA ROAD, PARRAMATTA 2150	EQU	Sensitive Equipment	1	06670	D	91	NCA14	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WSU	SEM JEOL JSM-6510 (x300,000)	VC-D	Refer to 2845
5728	06665-096-EQU	317349.2	6256989.3	171 VICTORIA ROAD, PARRAMATTA 2150	EQU	Sensitive Equipment	1	06665	D	96	NCA14	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WSU	SEM JEOL JSM-7001	VC-D	Refer to 2845
5729	00355-100-EQU	313827.0	6257690.9	166 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	2	00355	D	100	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Westmead Hospital	MRI Siemens Skyra	VC-C	Refer to 2353
5730	00385-095-EQU	313849.5	6257710.8	166 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	2	00385	D	95	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Westmead Hospital	MRI Siemens Prisma	VC-C	Refer to 2353

ID	Receiver ID	X	Y	Address	Land use code	Land use description	Number of levels	Chainage	Nearest Track	Distance to nearest track [m]	NCA	NML - Daytime (Standard Construction Hours) [dB(A)]	NML - Daytime (out-of-hours works) [dB(A)]	NML - Evening (out-of-hours works) [dB(A)]	NML - night (out-of-hours works) [dB(A)]	Vibration Objective - Human Comfort (day) [VDV, m/s^1.75]	Vibration Objective - Human Comfort (night) [VDV, m/s^1.75]	Vibration Damage Screening Level [Peak Component	Heritage	Organisation Name	Comments	Equipment vibration criteria	Building criteria
5731	00385-084-EQU	313858.7	6257704.2	166 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00385	D	84	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Westmead Hospital	Varian TruBeam	VC-C	Refer to 2353
5732	00690-015-EQU	314104.4	6257896.3	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	2	00690	D	15	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		CMRI	Zeiss Cell Observer	VC-A	Refer to 2833
5733	00690-017-EQU	314102.6	6257897.2	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	2	00690	D	17	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		CMRI	Zeiss LSM 880	VC-A	Refer to 2833
5734	00685-015-EQU	314103.0	6257894.4	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	5	00685	D	15	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		CMRI	Mass spectrometers	VC-C	Refer to 2833
5735	00635-049-EQU	314044.7	6257875.7	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	-1	00635	D	49	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		CMRI	Animal Lab	Operating theatre	Refer to 2833
5736	00665-035-EQU	314073.1	6257888.9	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00665	D	35	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		CMRI	Microscope Leica DMi8	VC-A	Refer to 2833
5737	00710-083-EQU	314062.9	6257952.8	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00710	D	83	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		KRI	Gait Sensors	Residential day	Refer to 2871
5738	00640-088-EQU	314014.8	6257901.3	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	2	00640	D	88	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		KRI	Microscopes & Incubators	VC-A	Refer to 2871
5739	00635-082-EQU	314018.1	6257895.2	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	-1	00635	D	82	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		KRI	Animal Lab	Operating theatre	Refer to 2871
5740	00080-034-EQU	313785.6	6257386.5	151-155 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00080	U	34	NCA03	n/a	n/a	n/a	n/a	n/a	n/a	n/a		PRP Imaging	MRI Siemens Skyra	VC-C	Refer to 3423
5741	00085-034-EQU	313788.2	6257390.4	151-155 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00085	U	34	NCA03	n/a	n/a	n/a	n/a	n/a	n/a	n/a		PRP Imaging	CT Scanner Toshiba Aq64	Residential Day	Refer to 3423
5742	03045-016-EQU	315365.2	6257134.6	354 CHURCH STREET, PARRAMATTA 2150	EQU	Sensitive Equipment	1	03045	D	16	NCA08	n/a	n/a	n/a	n/a	n/a	n/a	n/a		BOQ	ATM seismic detector	Can be recalibrated	Refer to 5772
5743	03810-015-EQU	315323.0	6256533.3	68 MACQUARIE STREET, PARRAMATTA 2150	EQU	Sensitive Equipment	1	03810	D	15	NCA09	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Teachers Health Centre	X-ray machines	Residential day	Refer to 2335
5744	01570-073-EQU	314905.1	6257955.7	3 NEW STREET, NORTH PARRAMATTA 2151	EQU	Sensitive Equipment	1	01570	U	73	NCA06	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Cumberland Hospital	PABX TDM clocks	5 mm/s PPV	Refer to 1534
5745	01100-101-EQU	314419.1	6258039.0	7 HAINSWORTH STREET, WESTMEAD 2145	EQU	Sensitive Equipment	1	01100	D	101	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Cumberland Hospital	ECT & EEG machines	Operating theatre	Refer to 1478
5746	01355-226-EQU	314648.7	6258271.0	3 NEW STREET, NORTH PARRAMATTA 2151	EQU	Sensitive Equipment	1	01355	D	226	NCA06	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Department of Planning, Industry and Environment	AQM Station particle analyser	DPIE expects no significant impact given distance to alignment	
5747	03575-050-ACU	315231.3	6256625.7	232 CHURCH STREET, PARRAMATTA 2150	ACU	Acoustic Space	1	03575	D	50	NCA09	50	50	50	50	0.8	0.8	n/a		UNE	Recording room		Refer to 2263
5748	06620-056-ACU	317357.8	6256926.2	171 VICTORIA ROAD, PARRAMATTA 2150	ACU	Acoustic Space	1	06620	D	56	NCA14	50	50	50	50	0.8	0.8	n/a		WSU	Auditorium		Refer to 2838
5749	03090-031-ACU	315296.8	6257097.0	353A-353C CHURCH STREET, PARRAMATTA 2150	ACU	Acoustic Space	1	03090	U	31	NCA08	50	50	50	50	0.8	0.8	n/a		Riverside Theatres	Lennox Theatre		Refer to 2132
5750	01160-097-PoW	314560.8	6257880.7	7 HAINSWORTH STREET, WESTMEAD 2145	PoW	Place of Worship	1	01160	U	97	NCA05	55	55	55	55	0.8	0.8	7.5		Cumberland Hospital	Chapel		
5751	00205-029U-COM	313837.4	6257490.4	163B-171B HAWKESBURY ROAD, WESTMEAD 2145	COM	Commercial	1	00205	U	29	NCA03	70	70	70	70	0.8	0.8	7.5			Mixed use - GF commercial		
5752	00285-025U-COM	313891.4	6257546.0	175A HAWKESBURY ROAD, WESTMEAD 2145	COM	Commercial	2	00285	U	25	NCA04	70	70	70	70	0.8	0.8	7.5		Uniting Church	Cafe		
5753	00500-033-PRC	313972.3	6257762.6	174 HAWKESBURY ROAD, WESTMEAD 2145	PRC	Passive Recreation	1	00500	D	33	NCA02	60	60	60	60	n/a	n/a	n/a			Under construction - Plaza		
5754	02880-022D-MED	315400.2	6257298.3	20A VICTORIA ROAD, PARRAMATTA 2150	MED	Medical	1	02880	D	22	NCA08	65	65	65	65	0.8	0.8	7.5		Parramatta Medical Centre	Mixed use - medical GF		
5755	03110-073-ACU	315249.3	6257094.7	353A-353C CHURCH STREET, PARRAMATTA 2150	ACU	Acoustic Space	3	03110	U	73	NCA08	50	50	50	50	0.8	0.8	n/a		Riverside Theatres	Riverside Theatre		Refer to 2132
5756	03075-021-COM	315310.7	6257102.9	353A-353C CHURCH STREET, PARRAMATTA 2150	COM	Commercial	1	03075	U	21	NCA08	70	70	70	70	0.8	0.8	7.5		Riverside Theatres	Vistor's Centre and Restaurant		
5757	04035-014-EDU	315543.2	6256443.4	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	2	04035	U	14	NCA09	55	55	55	55	0.8	0.8	7.5		Arthur Phillip HS	Pending demolition		
5758	03960-043-EDU	315463.5	6256433.4	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational	2	03960	U	43	NCA09	55	55	55	55	0.8	0.8	7.5		Arthur Phillip HS	Pending demolition		
5759	04105-019-EDU	315607.8	6256422.4	175 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational		04105	U	19	NCA09	55	55	55	55	0.8	0.8	7.5			Under construction		
5760	04145-028-EDU	315651.6	6256462.7	80-100 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational		04145	D	28	NCA09	55	55	55	55	0.8	0.8	7.5			Under construction		
5761	04410-028-COM	315908.0	6256401.8	142 MACQUARIE STREET, PARRAMATTA 2150	COM	Commercial		04410	D	28	NCA09	70	70	70	70	0.8	0.8	7.5					
5762	04850-081U-CHC	316204.7	6256318.7	163-165 GEORGE STREET, PARRAMATTA 2150	CHC	Childcare	2	04850	U	81	NCA09	50	50	50	50	0.4	0.4	7.5					
5763	00760-148-EQU	314066.5	6258056.6	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00760	D	148	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Children's Hospital Westmead	MRI	VC-C	Refer to 3260
5764	00750-084-EQU	314089.6	6257988.1	178 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00750	D	84	NCA05	n/a	n/a	n/a	n/a	n/a	n/a	n/a		Children's Hospital Westmead	MRI	VC-C	Refer to 3281
5765	00575-010-EQU	314036.2	6257803.2	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	-1	00575	D	10	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Incubators & Particle Counter	VC-A	Refer to 2794
5766	00595-017-EQU	314042.7	6257821.1	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00595	D	17	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR - AGRF	Gene squencers	Operating theatre	Refer to 2794
5767	00600-016-EQU	314049.2	6257828.1	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00600	D	16	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Nanostring digital analyser	VC-A	Refer to 2794
5768	00605-038-EQU	314034.2	6257844.6	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00605	D	38	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Olympus VS120 100x	VC-A	Refer to 2794
5769	00575-051-EQU	314004.1	6257828.4	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00575	D	51	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Animal Lab	Operating theatre	Refer to 2794
5770	00595-012-EQU	314047.1	6257820.0	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00595	D	12	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Sleep lab - EEG, EMG, Accelerometers	Operating theatre	Refer to 2794
5771	00595-012-ACU	314046.4	6257819.0	174 HAWKESBURY ROAD, WESTMEAD 2145	ACU	Acoustic Space	2	00595	D	12	NCA02	50	50	50	50	0.8	0.8	n/a		WIMR	Sleep Lab - SLM		Refer to 2794
5772	03035-028D-COM	315379.7	6257142.3	354 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	5	03035	D	28	NCA08	70	70	70	70	0.8	0.8	7.5			Mixed use GF COM		
5773	10885-114D-CHC	319328.0	6260302.8	17A LLOYDS AVENUE, CARLINGFORD 2118	CHC	Childcare	2	10885	D	114	NCA19	50	50	50	50	0.4	0.4	7.5					
5774	06795-050U-IND	317549.2	6257030.5	2 BRODIE STREET, RYDALMERE 2116	IND	Industrial	1	06795	U	50	NCA14	75	75	75	75	1.6	1.6	7.5			Mechanic		
5775	00610-038-EQU	314037.1	6257848.1	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00610	D	38	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Leica SP5 Confocal microscope	VC-A	Refer to 2794
5776	00600-038-EQU	314029.8	6257839.6	174 HAWKESBURY ROAD, WESTMEAD 2145	EQU	Sensitive Equipment	1	00600	D	38	NCA02	n/a	n/a	n/a	n/a	n/a	n/a	n/a		WIMR	Nanoimager	VC-A	Refer to 2794
5777	00000-197D-RES	313526.7	6257384.2	BUILDING B3, 158 - 164 HAWKESBURY ROAD, WESTMEAD 2	RES	Residential		00000	D	197	NCA02	61	56	53	48	0.4	0.26	7.5			Under construction		
5778	00000-178D-RES	313537.9	6257343.8	BUILDING B2, 158 - 164 HAWKESBURY ROAD, WESTMEAD 2	RES	Residential		00000	D	178	NCA02	61	56	53	48	0.4	0.26	7.5			Under construction		
5779	00000-136D-RES	313579.8	6257341.9	BUILDING B1, 158 - 164 HAWKESBURY ROAD, WESTMEAD 2	RES	Residential		00000	D	136	NCA02	61	56	53	48	0.4	0.26	7.5			Under construction		
5780	00000-149D-RES	313582.4	6257397.2	BUILDING A1, 158 - 164 HAWKESBURY ROAD, WESTMEAD 2	RES	Residential		00000	D	149	NCA02	61	56	53	48	0.4	0.26	7.5			Under construction		
5781	00445-238U-RES	314150.8	6257548.7	17 PARK AVENUE, WESTMEAD 2145	RES	Residential		00445	U	238	NCA04	59	54	53	52	0.4	0.26	7.5			Under construction		
5782	00475-298U-RES	314209.6	6257526.4	17 PARK AVENUE, WESTMEAD 2145	RES	Residential		00475	U	298	NCA04	59	54	53	52	0.4	0.26	7.5			Under construction		
5783	03225-069U-RES	315205.0	6256982.4	12 - 14 PHILLIP STREET, PARRAMATTA 2150	RES	Residential	44	03225	U	69	NCA09	68	63	58	48	0.4	0.26	7.5			Under construction		
5784	03745-123U-COM	315236.7	6256408.5	8 PARRAMATTA SQUARE, PARRAMATTA 2150	COM	Commercial	72	03745	U	123	NCA09	70	70	70	70	0.8	0.8	7.5			Under construction		
5785	03175-022U-COM	315266.8	6257011.7	333 CHURCH STREET, PARRAMATTA 2150	COM	Commercial	3	03175	U	22	NCA09	70	70	70	70	0.8	0.8	7.5			Under construction - land use TBC		
5786	03790-124U-COM	315281.7	6256396.7	6 PARRAMATTA SQUARE, PARRAMATTA 2150	COM	Commercial	27	03790	U	124	NCA09	70	70	70	70	0.8	0.8	7.5			Under construction		
5787	03840-128U-COM	315326.2	6256382.2	4 PARRAMATTA SQUARE, PARRAMATTA 2150	COM	Commercial	34	03840	U	128	NCA09	70	70	70	70	0.8	0.8	7.5			Under construction		
5788	03925-127U-COM	315404.3	6256363.2	2 PARRAMATTA SQUARE, PARRAMATTA 2150	COM	Commercial	16	03925	U	127	NCA09	70	70	70	70	0.8	0.8	7.5			Future address, same building		
5789	02825-025D-RES	315411.8	6257355.0	404 - 406 CHURCH STREET, PARRAMATTA, 2150	RES	Residential	7	02825	D	25	NCA08	69	64	62	51	0.4	0.26	7.5			Under construction		
5790	03960-037D-COM	315475.0	6256516.5	10 SMITH STREET, PARRAMATTA 2150	COM	Commercial	12	03960	D	37	NCA09	70	70	70	70	0.8	0.8	7.5			Updated point		
5791	04045-090D-COM	315565.7	6256548.1	83 GEORGE STREET, PARRAMATTA 2150	COM	Commercial	3	04045	D	90	NCA09	70	70	70	70	0.8	0.8	7.5			Missed in original survey		
5792	04075-059D-EDU	315588.5	6256510.5	80-100 MACQUARIE STREET, PARRAMATTA 2150	EDU	Educational		04075	D	59	NCA09	55	55	55	55	0.8	0.8	7.5			Under construction		
5793	04305-101U-RES	315784.9	6256294.0	34 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04305	U	101	NCA09	68	63	58	48	0.4	0.26	7.5			Under construction. Carpark up to level 6		
5794	04295-019U-RES	315792.3	6256377.4	189 MACQUARIE STREET, PARRAMATTA 2150	RES	Residential		04295	U	19	NCA09	68	63	58	48	0.4	0.26	7.5			Under construction. Carpark up to level 6		
5795	04340-125U-COM	315815.6	6256262.7	23 HASSALL STREET, PARRAMATTA 2150	COM	Commercial	1	04340	U	125	NCA09	70	70	70	70	0.8	0.8	7.5			Missed in original survey		
5796	04355-143U-RES	315826.9	6256241.8	23-29 HASSALL STREET, PARRAMATTA 2150	RES	Residential	22	04355	U	143	NCA09	68	63	58	48	0.4	0.26	7.5			New building		
5797	04345-086U-RES	315827.9	6256300.1	26-30 HASSALL STREET, PARRAMATTA 2150	RES	Residential		04345	U	86	NCA09	68	63	58	48	0.4	0.26	7.5			Missed in original survey		
5798	04380-057U-EDU	315867.4	6256320.8	34 HASSALL STREET, PARRAMATTA 2150	EDU	Educational		04380	U	57	NCA09	55	55	55	55	0.8	0.8	7.5			Updated point		
5799	04450-029U-EDU	315942.6	6256330.9	34 HASSALL STREET, PARRAMATTA 2150	EDU	Educational		04450	U	29	NCA09	55	55	55	55	0.8	0.8	7.5			Updated point		
5800	05410-115U-RES	316716.9	6256196.3	125 - 129 ARTHUR STREET, PARRAMATTA 2150	RES	Residential	9	05410	U	115	NCA12	61	56	53	46	0.4	0.26	7.5			Under construction		
5801	07050-015D-RES	317634.7	6257260.2	2 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07050	D	15	NCA15	55	50	48	42	0.4	0.26	7.5			Additional residential point		
5802	07270-014D-RES	317711.2	6257466.1	34 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07270	D	14	NCA15	55	50	48	42	0.4	0.26	7.5			Additional residential point		
5803	07480-012D-RES	317775.7	6257663.6	62 RIPPON AVENUE, DUNDAS 2117	RES	Residential	1	07480	D	12	NCA15	55	50	48	42	0.4	0.26	7.5			Additional residential point		
5804	07695-025D-RES	317884.7	6257856.7	49 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07695	D	25	NCA15	55	50	48	42	0.4	0.26	7.5			Additional residential point		
5805	07705-013D-RES	317902.1	6257852.4	51 KISSING POINT ROAD, DUNDAS 2117	RES	Residential	1	07705	D	13	NCA15	55	50	48	42	0.4	0.26	7.5			Additional residential point		
5806	09225-055D-COM	318632.4	6258989.5	3A TELOPEA STREET, TELOPEA 2117	COM	Commercial	1	09225	D	55	NCA17	70	70	70	70	0.8	0.8	7.5			Missed in original survey		
5807	09195-034D-RES	319170.2	6260368.1	1-7 THALLON STREET, CARLINGFORD 2118	RES	Residential		09195	D	34	NCA19	62	57	52	44	0.4	0.26	7.5			Under construction		
5807	09195-034D-COM	318634.9	6258951.7	53 ADDERTON ROAD, TELOPEA 2117	COM	Commercial	1	09195	D	34	NCA17	62	57	52	44	0.4	0.3	7.5			Missed in original survey		
5808	09275-049D-COM	318660.3	6259028.3	57A ADDERTON ROAD, TELOPEA 2117	COM	Commercial	1	09275	D	49	NCA17	70	70	70	70	0.8	0.8	7.5			Missed in original survey		
5809	10360-126D-COM	318854.3	6259946.5	288 PENNANT HILLS ROAD, CARLINGFORD 2118	COM	Commercial		10360	D	126	NCA18	70	70	70	70	0.8	0.8	7.5			Missed in original survey		
5810	09990-024D-RES	318994.0	6259544.7	68 - 72 ADDERTON ROAD, CARLINGFORD 2118	RES	Residential		09990	D	24	NCA18	52	47	45	37	0.4	0.26	7.5			Under construction		
5811	10840-193D-RES	319050.1	6260444.8	17 - 19 JENKINS ROAD, CARLINGFORD	RES	Residential	8	10840	D	193	NCA19	62	57	52	44	0.4	0.26	7.5			Missed in original survey		
5812	09750-035U-RES	319076.5	6259312.0	41-43 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09750	U	35	NCA18	52	47	45	37	0.4	0.26	7.5			Updated point		
5813	09775-033U-RES	319083.8	6259341.9	41-43 MARSHALL ROAD, TELOPEA 2117	RES	Residential	2	09775	U	33	NCA18	52	47	45	37	0.4	0.26	7.5			Updated point		
5815	10900-112D-RES	319229.7	6260486.1	7A - 9 BOUNDARY ROAD, CARLINGFORD 2118	RES	Residential	7	10900	D	112	NCA19	62	57	52	44	0.4	0.26	7.5			Updated point		
5816	T6-21005-066U-IND	316450.2	6254496.9	11 MARSH STREET, CLYDE 2142	IND	Industrial		T6-21005	U	66	NCA20	75	75	75	75	1.6	1.6	7.5					
5817	T6-21170-319D-RES	316219.6	6254867.8	9 KEMP STREET, GRANVILLE 2142	RES	Residential		T6-21170	D	319	NCA20	61	56	53	46	0.4	0.26	7.5					
5818	T6-21465-215U-IND	316816.9	6254687.0	20 KENDALL STREET, CLYDE 2142	IND	Industrial		T6-21465	U	215	NCA20	75	75	75	75	1.6	1.6	7.5					
5819	T6-20965-372D-RES	316018.3	6254380.6	23 ENID AVENUE, GRANVILLE 2142	RES	Residential		T6-20965	D	372	NCA20	61	56	53	46	0.4	0.26	7.5					
5820	T6-21580-242D-RES	316550.4	6255075.3	48 ARTHUR STREET, GRANVILLE 2142	RES	Residential		T6-21580	D	242	NCA20	61	56	53	46	0.4	0.26	7.5					
5821	T6-21555-261D-RES	316530.3	6255080.7	48 ARTHUR STREET, GRANVILLE 2142	RES	Residential		T6-21555	D	261	NCA20	61	56	53	46	0.4	0.26	7.5					
5822	T6-21110-090D-COM	316330.5	6254640.6	5 COWPER STREET, GRANVILLE 2142	COM	Commercial		T6-21110	D	90	NCA20	70	70	70	70	0.8	0.8	7.5					
5823	T6-20975-303D-RES	316080.7	6254430.9	7 ENID AVENUE, GRANVILLE 2142	RES	Residential		T6-20975	D	303	NCA20	61	56	53	46	0.4	0.26	7.5					
5824	T6-21420-229D-RES	316473.2	6254979.7	43 ONSLOW STREET, GRANVILLE 2142	RES	Residential		T6-21420	D	229	NCA20	61	56	53	46	0.4	0.26	7.5					
5825	T6-21415-197U-IND	316764.3	6254662.5	13 JAMES RUSE DRIVE, CLYDE 2142	IND	Industrial		T6-21415	U	197	NCA20	75	75	75	75	1.6	1.6	7.5					
5826	T6-20860-329D-RES	316177.3	6254146.6	9 THE TRONGATE , GRANVILLE 2142	RES	Residential		T6-20860	D	329	NCA20	61	56	53	46	0.4	0.26	7.5					
5827	T6-20850-346D-RES	316174.8	6254123.3	13 THE TRONGATE , GRANVILLE 2142	RES	Residential		T6-20850	D	346	NCA20	61	56	53	46	0.4	0.26	7.5					
5828	T6-20960-379D-RES	316014.298	6254366.09	25 ENID AVENUE, GRANVILLE 2142	RES	Residential		T6-20960	D	379	NCA20	61	56	53	46	0.4	0.26	7.5					

Appendix C – Construction Works and Sound Power Levels for Construction Equipment

	Plant Item	Asphalt Milling Machine[1]	Ballast Regulator	Ballast Tamper	Bobcat	Compressor	Concrete Pump	Concrete Saw[1]	Concrete Truck / Agitator	Elevated Working Platform	Excavator (10 tonne)	Excavator (40 tonne)	Excavator (Breaker)[1]	Franna Crane	Front End Loader	Generator	Hand Tools	Line Marking Plant	Mobile Crane (50 tonne)	Piling Rig (Bored)	Piling Rig (Vibratory)[1]	Roller (non-vibratory)[1]	Semi Trailer	Slip Form Machine	Suction Truck	Truck (10 tonne)	Truck (25t)	Vibratory Roller (10 - 12 t)[1]
	Sound Power Level (L_{Aeq})	111	118	118	104	95	106	115	106	97	94	109	121	99	112	101	94	98	100	108	116	100	106	102	100	98	98	109
	Minutes Used in Worst-case 15 Minute Period[2]	15	15	15	15	15	7.5	5	7.5	15	15	15	7.5	15	15	15	15	15	15	7.5	7.5	15	5	15	15	15	15	15
Works ID	**Scenario**	**Activity**																										
W.0001	Demolition	Demolition					X									X	X									X		
W.0002		Demolition (with Breaker)					X						X			X	X									X	X	
W.0003	Compounds - 24/7 Operation	Site Establishment						X		X					X					X			X				X		X
W.0004		Services & Utilities				X			X				X													X	X		
W.0005		Hoarding				X								X			X												
W.0006		Site Deliveries												X					X				X						
W.0007	Compounds – Daytime Only	Site Establishment						X		X				X					X			X					X		
W.0008		Services & Utilities				X			X				X													X	X		
W.0009		Hoarding												X			X										X		
W.0010		Site Deliveries																	X				X				X		
W.0011	Spoil & Ballast	Screening & Crushing										X			X													X	
W.0012	Substations	Site Establishment												X					X								X		
W.0013		Construction & Installation						X		X		X		X					X				X		X	X	X		
W.0014	Mainline - Embedded Track	Earthworks										X				X									X	X			
W.0015		Earthworks (with Breaker/saw)							X			X	X			X											X		
W.0016		Concrete Works						X		X				X					X								X		
W.0017		Trackworks												X			X		X								X		
W.0018		Steel Erection & Wiring									X			X			X		X				X				X		

		Plant Item	Asphalt Milling Machine[1]	Ballast Regulator	Ballast Tamper	Bobcat	Compressor	Concrete Pump	Concrete Saw[1]	Concrete Truck / Agitator	Elevated Working Platform	Excavator (10 tonne)	Excavator (40 tonne)	Excavator (Breaker)[1]	Franna Crane	Front End Loader	Generator	Hand Tools	Line Marking Plant	Mobile Crane (50 tonne)	Piling Rig (Bored)	Piling Rig (Vibratory)[1]	Roller (non-vibratory)[1]	Semi Trailer	Slip Form Machine	Suction Truck	Truck (10 tonne)	Truck (25t)	Vibratory Roller (10 - 12 t)[1]
		Sound Power Level (L_{Aeq})	111	118	118	104	95	106	115	106	97	94	109	121	99	112	101	94	98	100	108	116	100	106	102	100	98	98	109
		Minutes Used in Worst-case 15 Minute Period[2]	15	15	15	15	15	7.5	5	7.5	15	15	15	7.5	15	15	15	15	15	15	7.5	7.5	15	5	15	15	15	15	15
W.0019	Mainline - Ballast Track	Earthworks											X				X											X	X
W.0020		Concrete Works						X		X					X					X							X	X		
W.0021		Trackworks											X		X			X		X								X	
W.0022		Trackworks - Tamping		X	X																								
W.0023		Steel Erection & Wiring									X				X			X		X				X			X		
W.0024	Stops	Excavation											X				X									X	X		
W.0025		Excavation (with Breaker/saw)							X				X	X			X										X		
W.0026		Concrete Works						X		X					X			X		X							X		
W.0027		Finishing Works									X		X		X			X						X				X	
W.0028	Bridges	Site Establishment													X					X			X				X		
W.0029		Pilling																		X	X	X					X		
W.0030		Construction & Installation									X				X					X				X			X		
W.0031		Concrete Works						X		X					X			X		X							X		
W.0032	Stabling and Maintenance Facility	Pilling																		X	X	X					X		
W.0033		Concrete Works						X		X					X			X		X							X		
W.0034		Steel Erection									X				X			X		X				X			X		
W.0035	Off Corridor Roadworks	Excavation											X				X										X	X	
W.0036		Excavation (with Breaker)											X	X			X										X		
W.0037		Pavement Works	X			X		X		X						X							X		X		X	X	
W.0038		Signage and Line Marking													X			X	X								X		

Note 1: The ICNG requires that activities identified as particularly annoying (such as jackhammering, rockbreaking and power saw operation) have a 5 dB 'penalty' added to predicted noise levels when using the quantitative method.

Note 2: This refers to the amount of time in minutes that individual items of equipment would be in use for during the worst-case 15 minute assessment period, based on site observations. Some items of plant, such as rockbreakers and semi-trailers, are not typically used in a continuous manner.

Appendix D – Predicted worst-case noise levels

NCA	NML	Demolition	Demolition (w. breaker)	Site establishment	Services and utilities	Hoarding	Site deliveries	Site establishment	Services and utilities	Hoarding	Site deliveries	Screening & crushing	Site establishment	Construction & Instal.	Earthworks	Earthworks (w. Breaker)	Concrete Works	Trackworks	Steel Erection & wiring	Earthworks	Concrete works	Trackworks	Trackworks - Tamping	Steel Erection & Wiring	Excavation	Excavation (w. Breaker)	Concrete Works	Finishing Works	Site Establishment	Piling	Construction & Instal	Concrete Works	Piling	Concrete Works	Steel Erection	Excavation	Excavation (with Breaker)	Pavement Works	Signage and Line Marking
Residential – Standard daytime																																							
NCA01	59	48	62	56	58	50	49	33	38	<30	<30	<30	45	51	54	63	52	48	51	<30	<30	<30	<30	<30	54	63	52	55	33	42	34	36	<30	<30	<30	41	50	54	43
NCA02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA03	61	65	79	73	75	67	66	30	35	<30	<30	<30	65	71	78	87	76	72	75	<30	<30	<30	<30	<30	58	67	56	59	35	44	36	38	<30	<30	<30	42	51	68	70
NCA04	59	73	87	58	60	52	51	78	83	71	74	<30	34	40	79	88	77	73	76	<30	<30	<30	<30	<30	74	83	72	75	46	55	47	49	<30	<30	<30	78	87	84	74
NCA05	59	68	82	68	70	62	61	42	47	35	38	<30	30	36	72	81	70	66	69	<30	<30	<30	<30	<30	42	51	40	43	47	56	48	50	<30	<30	<30	76	85	82	70
Residential – Evening																																							
NCA01	52	-	-	56	58	50	49	-	-	-	-	<30	-	-	54	63	52	48	51	-	-	-	-	-	-	-	-	-	33	42	34	-	<30	<30	<30	41	50	54	43
NCA02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA03	53	-	-	73	75	67	66	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	42	51	68	70
NCA04	53	-	-	58	60	52	51	-	-	-	-	<30	-	-	79	88	77	73	76	-	-	-	-	-	-	-	-	-	46	55	47	-	<30	<30	<30	78	87	84	74
NCA05	53	-	-	68	70	62	61	-	-	-	-	<30	-	-	72	81	70	66	69	-	-	-	-	-	-	-	-	-	47	56	48	-	<30	<30	<30	76	85	82	70
Residential – Night																																							
NCA01	42	-	-	56	58	50	49	-	-	-	-	<30	-	-	54	63	52	48	51	-	-	-	-	-	-	-	-	-	33	42	34	-	<30	<30	<30	41	50	54	43
NCA02	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA03	48	-	-	73	75	67	66	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	42	51	68	70
NCA04	52	-	-	58	60	52	51	-	-	-	-	<30	-	-	79	88	77	73	76	-	-	-	-	-	-	-	-	-	46	55	47	-	<30	<30	<30	78	87	84	74
NCA05	52	-	-	68	70	62	61	-	-	-	-	<30	-	-	72	81	70	66	69	-	-	-	-	-	-	-	-	-	47	56	48	-	<30	<30	<30	76	85	82	70
Commercial																																							
NCA01	70	37	51	45	47	39	38	<30	31	<30	<30	<30	37	43	39	48	37	33	36	<30	<30	<30	<30	<30	39	48	37	40	<30	<30	<30	<30	<30	<30	<30	31	40	45	40
NCA02	70	43	57	51	53	45	44	41	46	34	37	<30	<30	30	70	79	68	64	67	<30	<30	<30	<30	<30	58	67	56	59	30	39	31	33	<30	<30	<30	<30	37	40	50
NCA03	70	70	84	78	80	72	71	35	40	<30	31	<30	67	73	80	89	78	74	77	<30	<30	<30	<30	<30	76	85	74	77	32	41	33	35	<30	<30	<30	<30	38	45	43
NCA04	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA05	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other Sensitive receivers [3]																																							
NCA01	-	44	58	52	54	46	45	<30	<30	<30	<30	<30	37	43	50	59	48	44	47	<30	<30	<30	<30	<30	50	59	48	51	<30	<30	<30	<30	<30	<30	<30	<30	37	41	30
NCA02	-	59	73	67	69	61	60	53	58	46	49	<30	55	61	77	86	75	71	74	<30	<30	<30	<30	<30	65	74	63	66	37	46	38	40	<30	<30	<30	34	43	49	51
NCA03	-	72	86	80	82	74	73	<30	31	<30	<30	<30	72	78	79	88	77	73	76	<30	<30	<30	<30	<30	69	78	67	70	34	43	35	37	<30	<30	<30	31	40	48	48
NCA04	-	33	47	40	42	34	33	31	36	<30	<30	<30	30	36	77	86	75	71	74	<30	<30	<30	<30	<30	65	74	63	66	33	42	34	36	<30	<30	<30	<30	38	46	62
NCA05	-	72	86	73	75	67	66	65	70	58	61	<30	34	40	79	88	77	73	76	<30	<30	<30	<30	<30	72	81	70	73	65	74	66	68	<30	<30	<30	65	74	71	59

Source: Table 19 to Table 23 in Technical Paper 13 – Noise and Vibration Impact Assessment, Volume 6

(1) Colouring indicates the range of predicted NML exceedances (red >20 dB, orange 11 - 20 dB, yellow 1-10 dB above NML) based on the controlling time period for the given activity as below:

1 – 10 dB above NML (minor impacts) 11 – 20 dB above NML (moderate impacts) >20 dB above NML (high impacts)

(2) Predicted Worst Case refers to $L_{Aeq(15minute)}$ Noise Level (DBA)

(3) Other sensitive' receiver NMLs are dependent on classification. The most affected 'other sensitive' receiver type may change between each activity resulting in different NMLs.

NCA	NML	Demolition	Demolition (w. breaker)	Site establishment	Services and utilities	Hoarding	Site deliveries	Site establishment	Services and utilities	Hoarding	Site deliveries	Screening & crushing	Site establishment	Construction & Instal.	Earthworks	Earthworks (w. Breaker)	Concrete Works	Trackworks	Steel Erection & wiring	Earthworks	Concrete works	Trackworks	Trackworks - Tamping	Steel Erection & Wiring	Excavation	Excavation (w. Breaker)	Concrete Works	Finishing Works	Site Establishment	Piling	Construction & Instal	Concrete Works	Piling	Concrete Works	Steel Erection	Excavation	Excavation (with Breaker)	Pavement Works	Signage and Line Marking
Residential – Standard Daytime																																							
NCA06	52	73	87	59	61	53	52	33	38	<30	<30	<30	51	57	78	87	76	72	75	<30	<30	<30	<30	<30	72	81	70	73	39	48	40	42	<30	<30	<30	78	87	84	72
NCA07	61	66	80	74	76	68	67	32	37	<30	<30	<30	66	72	77	86	75	71	74	<30	<30	<30	<30	<30	74	83	72	75	38	47	39	41	<30	<30	<30	80	89	86	74
Residential – Evening																																							
NCA06	46	-	-	59	61	53	52	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	39	48	40	-	<30	<30	<30	78	87	84	72
NCA07	55	-	-	74	76	68	67	-	-	-	-	<30	-	-	77	86	75	71	74	-	-	-	-	-	-	-	-	-	38	47	39	-	<30	<30	<30	80	89	86	74
Residential – Night																																							
NCA06	46	-	-	59	61	53	52	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	39	48	40	-	<30	<30	<30	78	87	84	72
NCA07	44	-	-	74	76	68	67	-	-	-	-	<30	-	-	77	86	75	71	74	-	-	-	-	-	-	-	-	-	38	47	39	-	<30	<30	<30	80	89	86	74
Commercial																																							
NCA06	70	48	62	49	51	43	42	35	40	<30	31	<30	41	47	53	62	51	47	50	<30	<30	<30	<30	<30	51	60	49	52	39	48	40	42	<30	<30	<30	77	86	83	71
NCA07	70	66	80	74	76	68	67	34	39	<30	30	<30	66	72	77	86	75	71	74	<30	<30	<30	<30	<30	76	85	74	77	37	46	38	40	<30	<30	<30	77	86	84	71
Other Sensitive receivers [3]																																							
NCA06	-	73	87	71	73	65	64	35	40	<30	31	<30	42	48	82	91	80	76	79	<30	<30	<30	<30	<30	80	89	78	81	65	74	66	68	<30	<30	<30	60	69	66	54
NCA07	-	64	78	72	74	66	65	<30	32	<30	<30	<30	<30	35	80	89	78	74	77	<30	<30	<30	<30	<30	73	82	71	74	38	47	39	41	<30	<30	<30	78	87	84	72

Source: Table 19 to Table 23 in Technical Paper 13 – Noise and Vibration Impact Assessment, Volume 6

(1) Colouring indicates the range of predicted NML exceedances (red >20 dB, orange 11 - 20 dB, yellow 1-10 dB above NML) based on the controlling time period for the given activity as below:

1 – 10 dB above NML (minor impacts) 11 – 20 dB above NML (moderate impacts) >20 dB above NML (high impacts)

(2) Predicted Worst Case refers to $L_{AEQ(15MINUTE)}$ Noise Level (DBA)

(3) Other sensitive' receiver NMLs are dependent on classification. The most affected 'other sensitive' receiver type may change between each activity resulting in different NMLs.

NCA	NML	Demolition	Demolition (w. breaker)	Site establishment	Services and utilities	Hoarding	Site deliveries	Site establishment	Services and utilities	Hoarding	Site deliveries	Screening & crushing	Site establishment	Construction & Instal.	Earthworks	Earthworks (w. Breaker)	Concrete Works	Trackworks	Steel Erection & wiring	Earthworks	Concrete works	Trackworks	Trackworks - Tamping	Steel Erection & Wiring	Excavation	Excavation (w. Breaker)	Concrete Works	Finishing Works	Site Establishment	Piling	Construction & Instal	Concrete Works	Piling	Concrete Works	Steel Erection	Excavation	Excavation (with Breaker)	Pavement Works	Signage and Line Marking
Residential – Standard daytime																																							
NCA08	69	58	72	66	68	60	59	<30	<30	<30	<30	<30	33	39	78	87	76	72	75	<30	<30	<30	<30	<30	66	75	64	67	35	44	36	38	<30	<30	<30	78	87	84	72
NCA09	68	42	56	53	55	47	46	<30	<30	<30	<30	<30	45	51	80	89	78	74	77	<30	<30	<30	<30	<30	78	87	76	79	36	45	37	39	<30	<30	<30	81	90	87	75
NCA10	53	40	54	49	51	43	42	37	42	30	33	<30	35	41	56	65	54	50	53	49	46	47	58	44	50	59	48	51	42	51	43	45	<30	<30	<30	54	63	60	48
Residential – Evening																																							
NCA08	62	-	-	66	68	60	59	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	78	87	84	72
NCA09	58	-	-	53	55	47	46	-	-	-	-	<30	-	-	80	89	78	74	77	-	-	-	-	-	-	-	-	-	36	45	37	-	<30	<30	<30	81	90	87	75
NCA10	45	-	-	49	51	43	42	-	-	-	-	<30	-	-	56	65	54	50	53	-	-	-	-	-	-	-	-	-	42	51	43	-	<30	<30	<30	54	63	60	48
Residential – Night																																							
NCA08	51	-	-	66	68	60	59	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	78	87	84	72
NCA09	48	-	-	53	55	47	46	-	-	-	-	<30	-	-	80	89	78	74	77	-	-	-	-	-	-	-	-	-	36	45	37	-	<30	<30	<30	81	90	87	75
NCA10	39	-	-	49	51	43	42	-	-	-	-	<30	-	-	56	65	54	50	53	-	-	-	-	-	-	-	-	-	42	51	43	-	<30	<30	<30	54	63	60	48
Commercial																																							
NCA08	70	71	85	79	81	73	72	34	39	<30	30	<30	<30	35	79	88	77	73	76	<30	<30	<30	<30	<30	76	85	74	77	38	47	39	41	<30	<30	<30	79	88	85	73
NCA09	70	36	50	80	82	74	73	<30	<30	<30	<30	<30	72	78	81	90	79	75	78	<30	<30	<30	<30	<30	81	90	79	82	38	47	39	41	<30	<30	<30	81	90	87	75
NCA10	70	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Other sensitive receivers[2]																																							
NCA08	-	67	81	75	77	69	68	<30	<30	<30	<30	<30	30	36	78	87	76	72	75	<30	<30	<30	<30	<30	59	68	57	60	37	46	38	40	<30	<30	<30	78	87	84	72
NCA09	-	38	52	74	76	68	67	<30	<30	<30	<30	<30	61	67	82	91	80	76	79	40	37	38	49	35	81	90	79	82	39	48	40	42	<30	<30	<30	81	90	87	75
NCA10	-	35	49	43	45	37	36	<30	<30	<30	<30	<30	<30	<30	50	59	48	44	47	<30	<30	<30	<30	<30	47	56	45	48	32	41	33	35	<30	<30	<30	52	61	58	46

Source: Table 21, Table 22 and Table 23 in Technical Paper 12 – Noise and Vibration Impact Assessment, Volume 6

(1) Colouring indicates the range of predicted NML exceedances (red >20 dB, orange 11 - 20 dB, yellow 1-10 dB above NML) based on the controlling time period for the given activity as below:

1 – 10 dB above NML (minor impacts) 11 – 20 dB above NML (moderate impacts) >20 dB above NML (high impacts)

(2) Predicted Worst Case refers to LAeq(15minute) Noise Level (DBA)

(3) Other sensitive' receiver NMLs are dependent on classification. The most affected 'other sensitive' receiver type may change between each activity resulting in different NMLs.

NCA	NML	DEMOLITION	DEMOLITION (W. BREAKER)	SITE ESTABLISHMENT	SERVICES AND UTILITIES	HOARDING	SITE DELIVERIES	SITE ESTABLISHMENT	SERVICES AND UTILITIES	HOARDING	SITE DELIVERIES	SCREENING & CRUSHING	SITE ESTABLISHMENT	CONSTRUCTION & INSTAL.	EARTHWORKS	EARTHWORKS (W. BREAKER)	CONCRETE WORKS	TRACKWORKS	STEEL ERECTION & WIRING	EARTHWORKS	CONCRETE WORKS	TRACKWORKS	TRACKWORKS - TAMPING	STEEL ERECTION & WIRING	EXCAVATION	EXCAVATION (W. BREAKER)	CONCRETE WORKS	FINISHING WORKS	SITE ESTABLISHMENT	PILING	CONSTRUCTION & INSTAL.	CONCRETE WORKS	PILLING	CONCRETE WORKS	STEEL ERECTION	EXCAVATION	EXCAVATION (WITH BREAKER)	PAVEMENT WORKS	SIGNAGE AND LINE MARKING
Residential – Standard Daytime																																							
NCA11	53	63	77	71	73	65	64	30	35	<30	<30	<30	38	44	77	86	75	71	74	46	43	44	55	41	76	85	74	77	61	70	62	64	<30	<30	<30	49	58	55	43
NCA12	61	61	75	46	48	40	39	<30	<30	<30	<30	45	41	47	75	84	73	69	72	46	43	44	55	41	56	65	54	57	70	79	71	73	44	38	37	40	49	46	34
NCA13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential – Evening																																							
NCA11	45	-	-	71	73	65	64	-	-	-	-	<30	-	-	77	86	75	71	74	-	-	-	-	-	-	-	-	-	61	70	62	-	<30	<30	<30	49	58	55	43
NCA12	53	-	-	46	48	40	39	-	-	-	-	45	-	-	75	84	73	69	72	-	-	-	-	-	-	-	-	-	70	79	71	-	44	38	37	40	49	46	34
NCA13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Residential – Night																																							
NCA08	51	-	-	66	68	60	59	-	-	-	-	<30	-	-	78	87	76	72	75	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	78	87	84	72
NCA09	48	-	-	53	55	47	46	-	-	-	-	<30	-	-	80	89	78	74	77	-	-	-	-	-	-	-	-	-	36	45	37	-	<30	<30	<30	81	90	87	75
NCA10	39	-	-	49	51	43	42	-	-	-	-	<30	-	-	56	65	54	50	53	-	-	-	-	-	-	-	-	-	42	51	43	-	<30	<30	<30	54	63	60	48
Commercial																																							
NCA11	**70**	**58**	**72**	**66**	**68**	**60**	**59**	**<30**	**<30**	**<30**	**<30**	**<30**	**36**	**42**	**76**	**85**	**74**	**70**	**73**	**46**	**43**	**44**	**55**	**41**	**75**	**84**	**73**	**76**	**60**	**69**	**61**	**63**	**<30**	**<30**	**<30**	**42**	**51**	**48**	**36**
NCA12	70	63	77	54	56	48	47	38	43	31	34	65	49	55	76	85	74	70	73	74	71	72	83	69	68	77	66	69	71	80	72	74	64	58	57	39	48	45	33
NCA13	70	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
Other Sensitive receivers [3]																																							
NCA11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
NCA12	-	54	68	49	51	43	42	<30	<30	<30	<30	44	39	45	60	69	58	54	57	46	43	44	55	41	52	61	50	53	55	64	56	58	43	37	36	39	48	45	33
NCA13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Source: Table 21, Table 22 and Table 23 in Technical Paper 13 – Noise and Vibration Impact Assessment, Volume 6

(1) Colouring indicates the range of predicted NML exceedances (red >20 dB, orange 11 - 20 dB, yellow 1-10 dB above NML) based on the controlling time period for the given activity as below:

1 – 10 dB above NML (minor impacts) 11 - 20 dB above NML (moderate impacts) >20 dB above NML (high impacts)

(2) Predicted Worst Case refers to $L_{Aeq(15minute)}$ Noise Level (DBA)

(3) Other sensitive' receiver NMLs are dependent on classification. The most affected 'other sensitive' receiver type may change between each activity resulting in different NMLs.

NCA	NML	Demolition	Demolition (w. breaker)	Site establishment	Services and utilities	Hoarding	Site deliveries	Site establishment	Services and utilities	Hoarding	Site deliveries	Screening & crushing	Site establishment	Construction & Instal.	Earthworks	Earthworks (w. Breaker)	Concrete Works	Trackworks	Steel Erection & wiring	Earthworks	Concrete works	Trackworks	Trackworks - Tamping	Steel Erection & Wiring	Excavation	Excavation (w. Breaker)	Concrete Works	Finishing Works	Site Establishment	Filling	Construction & Instal	Concrete Works	Filling	Concrete Works	Steel Erection	Excavation	Excavation (with Breaker)	Pavement Works	Signage and Line Marking
Residential – Standard daytime																																							
NCA14	55	57	71	40	42	34	33	68	73	61	64	44	32	38	36	45	34	30	33	65	62	63	74	60	63	72	61	64	53	62	54	56	<30	<30	<30	<30	<30	<30	<30
NCA15	55	70	84	41	43	35	34	69	74	62	65	<30	59	65	<30	<30	<30	<30	<30	81	78	79	90	76	76	85	74	77	70	79	71	73	<30	<30	<30	<30	<30	<30	<30
NCA16	56	49	63	<30	<30	<30	<30	76	81	69	72	<30	45	51	<30	<30	<30	<30	<30	81	78	79	90	76	55	64	53	56	71	80	72	74	<30	<30	<30	<30	<30	<30	<30
NCA17	53	65	79	<30	<30	<30	<30	72	77	65	68	<30	66	72	<30	<30	<30	<30	<30	79	76	77	88	74	70	79	68	71	35	44	36	38	<30	<30	<30	<30	<30	<30	<30
NCA18	52	50	64	<30	<30	<30	<30	50	55	43	46	<30	49	55	<30	<30	<30	<30	<30	81	78	79	90	76	49	58	47	50	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
NCA19	62	65	79	<30	<30	<30	<30	74	79	67	70	<30	64	70	<30	<30	<30	<30	<30	73	70	71	82	68	71	80	69	72	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
Residential – Evening																																							
NCA14	48	-	-	40	42	34	33	-	-	-	-	44	-	-	36	45	34	30	33	-	-	-	-	-	-	-	-	-	53	62	54	-	<30	<30	<30	<30	<30	<30	<30
NCA15	48	-	-	41	43	35	34	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	70	79	71	-	<30	<30	<30	<30	<30	<30	<30
NCA16	47	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	71	80	72	-	<30	<30	<30	<30	<30	<30	<30
NCA17	45	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	<30	<30	<30	<30
NCA18	45	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	<30	<30	<30	-	<30	<30	<30	<30	<30	<30	<30
NCA19	52	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	<30	<30	<30	-	<30	<30	<30	<30	<30	<30	<30
Residential – Night																																							
NCA14	43	-	-	40	42	34	33	-	-	-	-	44	-	-	36	45	34	30	33	-	-	-	-	-	-	-	-	-	53	62	54	-	<30	<30	<30	<30	<30	<30	<30
NCA15	42	-	-	41	43	35	34	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	70	79	71	-	<30	<30	<30	<30	<30	<30	<30
NCA16	39	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	71	80	72	-	<30	<30	<30	<30	<30	<30	<30
NCA17	36	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	35	44	36	-	<30	<30	<30	<30	<30	<30	<30
NCA18	37	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	<30	<30	<30	-	<30	<30	<30	<30	<30	<30	<30
NCA19	44	-	-	<30	<30	<30	<30	-	-	-	-	<30	-	-	<30	<30	<30	<30	<30	-	-	-	-	-	-	-	-	-	<30	<30	<30	-	<30	<30	<30	<30	<30	<30	<30
Commercial																																							
NCA14	70	62	76	52	54	46	45	75	80	68	71	43	35	41	44	53	42	38	41	70	67	68	79	65	67	76	65	68	63	72	64	66	44	38	37	<30	<30	<30	<30
NCA15	70	52	66	41	43	35	34	74	79	67	70	<30	67	73	<30	<30	<30	<30	<30	75	72	73	84	70	58	67	56	59	47	56	48	50	<30	<30	<30	<30	<30	<30	<30
NCA16	70	47	61	<30	<30	<30	<30	48	53	41	44	<30	43	49	<30	<30	<30	<30	<30	55	52	53	64	50	53	62	51	54	45	54	46	48	<30	<30	<30	<30	<30	<30	<30
NCA17	70	64	78	<30	<30	<30	<30	62	67	55	58	<30	55	61	<30	<30	<30	<30	<30	72	69	70	81	67	70	79	68	71	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
NCA18	70	57	71	<30	<30	<30	<30	51	56	44	47	<30	57	63	<30	<30	<30	<30	<30	72	69	70	81	67	59	68	57	60	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30
NCA19	70	67	81	<30	<30	<30	<30	78	83	71	74	<30	66	72	<30	<30	<30	<30	<30	81	78	79	90	76	79	88	77	80	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30

NCA	NML	Demolition	Demolition (w. breaker)	Site establishment	Services and utilities	Hoarding	Site deliveries	Site establishment	Services and utilities	Hoarding	Site deliveries	Screening & crushing	Site establishment	Construction & Instal.	Earthworks	Earthworks (w. Breaker)	Concrete Works	Trackworks	Steel Erection & wiring	Earthworks	Concrete works	Trackworks	Trackworks - Tamping	Steel Erection & Wiring	Excavation	Excavation (w. Breaker)	Concrete Works	Finishing Works	Site Establishment	Piling	Construction & Instal	Concrete Works	Piling	Concrete Works	Steel Erection	Excavation	Excavation (with Breaker)	Pavement Works	Signage and Line Marking
Other Sensitive receivers[3]																																						
NCA14	59	73	66	68	60	59	61	66	54	57	43	38	44	45	54	43	39	42	76	73	74	85	71	59	68	57	60	60	69	61	63	40	34	33	<30	<30	<30	<30	
NCA15	41	55	<30	<30	<30	<30	52	57	45	48	<30	37	43	<30	<30	<30	<30	<30	58	55	56	67	53	47	56	45	48	51	60	52	54	<30	<30	<30	<30	<30	<30	<30	
NCA16	45	59	<30	<30	<30	<30	48	53	41	44	<30	43	49	<30	<30	<30	<30	<30	54	51	52	63	49	51	60	49	52	40	49	41	43	<30	<30	<30	<30	<30	<30	<30	
NCA17	42	56	<30	<30	<30	<30	49	54	42	45	<30	36	42	<30	<30	<30	<30	<30	55	52	53	64	50	46	55	44	47	33	42	34	36	<30	<30	<30	<30	<30	<30	<30	
NCA18	35	49	<30	<30	<30	<30	40	45	33	36	<30	37	43	<30	<30	<30	<30	<30	50	47	48	59	45	40	49	38	41	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	
NCA19	62	76	<30	<30	<30	<30	62	67	55	58	<30	54	60	<30	<30	<30	<30	<30	70	67	68	79	65	68	77	66	69	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	<30	

Source: Table 19 to Table 23 in Technical Paper 13 – Noise and Vibration Impact Assessment, Volume 6

(1) Colouring indicates the range of predicted NML exceedances (red >20 dB, orange 11 - 20 dB, yellow 1-10 dB above NML) based on the controlling time period for the given activity as below:

1 – 10 dB above NML (minor impacts) 11 – 20 dB above NML (moderate impacts) >20 dB above NML (high impacts)

(2) Predicted Worst Case refers to $L_{Aeq(15minute)}$ Noise Level (DBA)

(3) Other sensitive' receiver NMLs are dependent on classification. The most affected 'other sensitive' receiver type may change between each activity resulting in different NMLs.

Appendix E – Consultation Evidence

Table E-1: Log of consultation with City of Parramatta Council as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19&20/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended).
Out	21/06/19, 17:36	Email	Issue of Noise and Vibration Management Sub-plan for review.
In	05/07/19, 17:01	Email	Response to CEMP and Sub-plan review received. No comments provided for the Noise and Vibration Management Sub-plan.

Table E-2: Log of consultation with Cumberland Council as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended).
Out	21/06/19, 18:40	Email	Issue of Noise and Vibration Management Sub-plan for review.
In	11/07/19, 17:01	Email	Response to CEMP and Sub-plan review received. No comments provided for the Noise and Vibration Management Sub-plan.
Out	16/07/19, 19:16	Email	Email requesting confirmation that Cumberland Council has no feedback on the Noise and Vibration Management Sub-plan.
In	17/07/19, 9:11	Email	Email confirming that Cumberland Council has no feedback on the Noise and Vibration Management Sub-plan.

Table E-3: Log of consultation with EPA as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended)

In / Out	Date and time	Method of contact	Details of contact
Out	21/06/19, 18:40	Email	Issue of Noise and Vibration Management Sub-plan for review.
In	09/07/19, 17:21	Email	Response to CEMP and Sub-plan review received with comments on the Noise and Vibration Management Sub-plan.
Out	17/07/19, 19:53	Email	JV response to EPA with details on how comments raised had been incorporated into the Sub-plan.
In	31/07/19, 9:30	Email	Additional remarks provided on alternative accommodation.
Out	31/07/19, 10:47	Email	JV response to EPA proposing revised text on alternative accommodation.
Out	31/07/19, 11:23	Email	JV response to EPA proposing revised text on alternative accommodation.
in	31/07/19, 15:00	Email	Additional remarks provided on alternative accommodation.
Out	2/08/19, 10:13	Email	JV response to EPA proposing revised text on alternative accommodation.
Out	9/08/19	Email	JV response to EPA proposing final revised text on alternative accommodation and request for a meeting.
In	17/10/19	Email	Email from EPA confirming that EPA does not endorse or improve Management Plan documents, however we appreciate the opportunity to provide comments

Table E-4: Log of issues raised by EPA as per A5 (d) and (e)

Reference	Comment	How addressed	Management plan reference location
1.01	Except as permitted by an EPL, or through the Out-of-Hours Work Protocol, Highly Noise Intensive Works that result in an exceedance of the applicable NML at the same sensitive receiver must only be undertaken: Suggest this is amended to read: *Except as permitted by an EPL, or through the Out-of-Hours Work Protocol (where an EPL does not apply)"...*	This is a quote from the conditions of approval and therefore cannot be changed. It is provided for reference only.	Table 3-1, E27
1.02	"A schedule of likely out of hours work for a period of no less than two (2) month for medium to high risk works" Suggest that this includes specific dates. E.g. "*A schedule of likely out of hours work, including dates, for a period of no less than two (2) month for medium to high risk works*"	The wording in this list of bullet points is taken directly from the planning condition E39. Providing dates of this longer time scale is difficult with and can lead to confusion. We will revise the notification requirements based on the requirements of the EPL once applied for and issued.	Section 11.2
1.03	"Periodic Notifications" suggest inclusion of dates of upcoming work	Period notification are more general updated to include dates. This suggestion has been added to the Specific notifications – Specific notifications would be letterbox dropped or hand distributed to the nearby residences and other sensitive receptors no later than seven days ahead of construction activities that are likely to exceed the noise objectives. This form of communication is used to support periodic notifications, or to advertise unscheduled works. Specific notification would include details of the location, scope, dates and times of work	Section 11.3 - Additional Noise and Vibration Mitigation Measures

Reference	Comment	How addressed	Management plan reference location
1.04	"Project specific Respite Offer" Suggest that more clarity is included to confirm what constitutes as "Lengthy periods of noise and vibration" i.e. provide length of time applicable	The wording of Project specific Respite Offer including reference to 'Lengthy periods' is derived from the TfNSW Construction Noise and Vibration Strategy. This has been qualified as '(such as specific phase of the construction work extended for more than 24hr of continuous works)'.	Section 11.3 - Additional Noise and Vibration Mitigation Measures
1.05	Alternative Accommodation: Regarding the line "Provision of alternative accommodation in all cases may not always be reasonable and feasible" Alternative Accommodation should be provided in all cases and advanced notice of dates of work provided to sensitive receivers.	This commitment is retained as it acknowledges that there are receivers who may not want or be able to take Alternative Accommodation and in which case, if Alternative Accommodation is rejected, other Additional Noise and Vibration Mitigation Measures should be explored in consultation with the receiver.	Section 11.3 - Additional Noise and Vibration Mitigation Measures
1.06	"Consultation with nearby childcare centres will be carried out to potentially avoid noisy works during rest periods at the centre (where possible)" Suggest amended to - "Consultation with nearby childcare centres will be carried out to discuss avoidance of noisy works during rest periods at the centre"	Suggested rewording included in plan.	Section 11.6, NV10

Reference	Comment	How addressed	Management plan reference location
1.07	“Work will be scheduled to provide respite periods from the noisiest activities, and impacted residents will be communicated with to clearly explain the duration and noise levels for the works.” Suggest sentence be amended to include "residents will be communicated with to clearly explain the dates and duration of noise levels for the work"	Suggested rewording included in plan.	Section 11.6, NV26

Table E-5: Log of consultation with Parramatta Park Trust as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended)
Out	21/06/19, 18:40	Email	Issue of Noise and Vibration Management Sub-plan for review.
In	05/07/19, 15:27	Email	Response to CEMP and Sub-plan review received with comments on the Noise and Vibration Management Sub-plan.
Out	17/07/19 19:02	Email	JV response to Parramatta Park Trust with details on how comments raised had been incorporated into the Sub-plan.
In	29/07/19 8:27	Email	Response confirming that the Parramatta Park Trust is satisfied with the response to the comments.

Table E-6: Log of issues raised by Parramatta Park Trust as per A5 (d) and (e)

Reference	Comment	How addressed	Management plan reference location
1.01	This should include Grey-headed Flying Fox as a receiver and strengthen references to them – it needs to do more than point to other documents. The biggest issue with GHFF will be the impact of noise and so if those monitoring and managing noise have it at top of mind then it's going to be managed better. It should include that the traditional human triggers for noise are not relevant and that frequency needs to be monitored as high-pitched noises can impact even at low volume.	Reference to the Grey-headed flying fox camp as a sensitive receiver has been included in Section 3 Precinct Specific Sensitive Receivers Summary and the following mitigation measures has been included in the mitigation measures table to direct the readers to the Grey-headed flying Fox Mitigation Measure Application Procedures presented in the recently revised GGFF Monitoring Program (refer to attached).	Section 7.2 and 7.3 Section 11.6

Table E- 7: Log of consultation with Health NSW – Cumberland Hospital as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended).
Out	21/06/19, 18:40	Email	Issue of Noise and Vibration Management Plan for review.
Out	26/06/19: 12:30	Meeting	The USB memory stick delivered with full CEMP, each sub-plan, SEMP and briefing sessions presentation.
In	09/07/19, 15:21	Email	Response to Noise and Vibration Management Plan review with comments register.
Out	01/08/19, 9:53	Email	Return of updated comments register and request for confirmation that NSW Health – Cumberland Hospital is satisfied with the response.

In / Out	Date and time	Method of contact	Details of contact
In	4/9/19, 6:43	Email	Consolidated comments received from PwC on behalf of Health NSW – Cumberland Hospital including comments previously received from Cumberland Hospital (Table E-8).
Out	23/10/19	Email	Draft Noise and Vibration Assessment System (methodology) for baseline surveys was issued to HAC for review. The Assessment System addressed a number of the comments raised relating to the Noise and Vibration Management Plan.
-	24/10/19, 8:00	Workshop	PLR Cumberland Hospital risk assessment workshop facilitated by HAC with representation from key facilities (buildings) within Cumberland Hospital. A number of key issues were discussed in this session relating to how matters raised in the consultation comments would be communicated and negotiated during planning and construction of the PLR works.
Out	28/10/19, 18:18	Email	Formal response to the consolidated comments provided on the 4/9/19.
In	1/11/19 7:30	Email	Initial response from PWC on behalf of HAC including confirmation from Cumberland Hospital the information previously provided in Cumberland Hospital.zip is still current and accurate.
Out	1/11/19 10:01	Email	JV response to the initial response from 1/11/19, 7:30.
In	1/11/19 17:02	Email	Final response from PWC on behalf of HAC / NSW Health confirming that with respect to content in pre-construction management plans, NSW Health at the Westmead campus (HAC and WSLHD) are satisfied that they have been provided an opportunity to consult on PLR CPBDJV's (Package 4) CEMP, SEMP and Sub-plans and that their requests have either been addressed through the proposed changes in the document or are comfortable that the issues will be managed through the consultation forums now established.

Table E- 8 Log of issues raised by Health NSW – Cumberland Hospital as per A5 (d) and (e)

Reference	Comment	How addressed	Management plan reference location
1.01	Sleep disturbance clause – "Where construction is required to be undertaken during the night-time period the potential for sleep disturbance will be assessed. The current approach to identifying potential sleep disturbance impacts is to set a screening criterion 15 dB above the RBL during the night-time period (10.00 pm to 7.00 am)". Thus, Page 71 implies that noise works near inpatients could commence from 7am. • I can see that for Westmead Hospital -- this is addressed on page 100, section 7.2.1 • For Cumberland Hospital – this is further addressed on page 102. It's noted that the standard daytime construction hours of Monday to Friday 7am to 6 pm and Saturdays 8 am to 12 pm For TfNSW reference, in the PLR related capital program that I current manage at Cumberland West, contractors "standard daytime construction" has been amended from 7am to 8am as requested by Mental Health Executives. We would appreciate your considerations and respite.	This request will be accommodated through Condition of Approval E31 (Table 3-1) and Mitigation Measure NV28 and NV49 (Table 11-2). In accordance with CPBDJV's Community and Engagement Management Plan, a Communication Action Plan (CAP) will be prepared with Cumberland Hospital to capture specific request such as this that will then be included in CNVIS and timetabling of works.	Table 3-1 Table 11-2
1.02	Page 71, Page 73 section 4.3.1 and page 79 Section 4.4.7 - there are errors/reference source	Noted. The error references in the plan template have been fixed.	-

Reference	Comment	How addressed	Management plan reference location
1.03	We request that WSLHD Disruption Process (especially Cumberland campus) will also need to be used throughout the process.	We have received similar comments from CHW. An Executive Briefing is to be completed to map contact points and clarify the consultation and notification protocols. This is beyond the scope of the NVMP however will influence how PRL consult with Westmead Hospital and Cumberland Hospital.	-
1.04	Page 102 – taller construction hoardings in work zones – We request consultations and engagement on consumer safety topic and about clinical risks.	Noted – this can be documented in a Communication Action Plan (CAP). NV15 updated to include specific commitment for construction hoardings in the Cumberland Precinct to be determined in consultation with HAC.	Table 11-2, NV15

1.05	Noise sensitivity is a recognised problem for people with psychosis and particularly schizophrenia. Difficulty managing repetitive sound is one of the largest known genetic risk factors for schizophrenia. Studies have shown that noise has an adverse effect on the cognition of people with schizophrenia. The majority of patients in the nonacute and subacute units have schizophrenia and will have lengths of stay measured in months to years and be involuntary under the mental health act – so we cannot rely on rapid discharge as a way of helping them avoid noise at Cumberland. One 2016 study published in Schizophrenia Research concluded: "noise management, such as reducing exposure to noise where feasible, may improve the lives of people with psychotic disorders." The usual criterion of 'sleep disturbance' needs to be expanded to include assessment of noise across the 24 hour period in the light of a patient population with more than normal sensitivity to noise who may experience a worsening of their ability to think and function when experiencing noise. In relation to vibration, people with schizophrenia are commonly more sensitive to the range of sensory stimuli which includes vibration but I am not aware of any specific studies into impact. You could reasonably extrapolate from published studies into how people with schizophrenia experience sensory stimuli, that the additional impact of vibration on people with schizophrenia should be considered and mitigated where ever feasible. The notice re disruption to site is critical. As involuntary patients prepare for longer periods of leave from the units, they are initially granted 'ground leave' which means that they are permitted to leave the units for short periods of time (such as 30 minutes) during which they are free to wander across the grounds of	Thank you for providing information regarding the specific needs of the residents. This assists CPBDJV in understanding the specific needs of Cumberland Hospital in managing their clients. CPBDJV are committed to developing a functional consultation and notification systems. For the NVMP, this commitment is captured in the mitigation measure NV28 - For sensitive receivers that operate outside standard construction hours, for example hospitals which operate on a 24-hour basis, feasible and reasonable noise mitigation options and measures will be developed in consultation with the sensitive receiver. This will be developed further through the development and implementation of the Communication Action Plan (CAP) for Cumberland Hospital. An Executive Briefing is also to be completed to map contact points and clarify the consultation and notification protocols.	

Reference	Comment	How addressed	Management plan reference location
	Cumberland Hospital (i.e. east and west). For the forensic patients, this leave is under the legal order of the Mental Health Tribunal. We will have to be able to manage on a daily basis the movements of patients across the campus. We need to keep reminding transport that another characteristic of our patient population is that they are rarely confined to bed during the day – they are mobile and where they have the capacity to manage leave from the unit they have a legal right to leave the units and use the grounds of the hospital. This then tests their capacity to manage longer periods of leave away from the campus which would be the next stage in granting them leave whilst they remain involuntary under the mental health act.		
1.06	We need to keep their focus on the clinical risks and how they will manage. There is a specific patient group impacted significantly by this works. This needs to include the risks of construction and site access on a functioning mental health facility.	Noted. As outlined above, a Communication Action Plan (CAP) will be prepared with Cumberland Hospital to capture specific request such as this that will then be included in CNVIS and timetabling of works.	-

Table E- 9: Log of consultation with Health NSW – Westmead Precinct as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	19& 20/06/19	Workshops	PLR Infrastructure Package CEMP and Sub-plan briefing sessions (attended).
Out	21/06/19, 18:40	Email	Issue of Noise and Vibration Management Sub-plan for review.
Out	10/07/19 11:02	Email	Request for comments or update on when comments may be received.
Out	17/07/19 20:03	Email	Request for comments or update on when comments may be received.

In / Out	Date and time	Method of contact	Details of contact
In	29/07/19 17:27	Email	Response with comment on the Noise and Vibration Management Sub-plan
Out	05/08/19, 12:53	Email	Response on comments raised and confirmation that recommendations had been incorporated into the plan (as required).
In	4/9/19, 6:43	Email	Consolidated comments received from PwC on behalf of Health NSW – Westmead Precinct including comments previously received from Children's Hospital (Table E-8).
Out	23/10/19	Email	Draft Noise and Vibration Assessment System (methodology) for baseline surveys was issued to HAC for review. The Assessment System addressed a number of the comments raised relating to the Noise and Vibration Management Plan.
Out	28/10/19, 18:18	Email	Formal response to the consolidated comments provided on the 4/9/19.
In	1/11/19 17:02	Email	Final response from PWC on behalf of HAC / NSW Health including Westmead Precinct confirming that with respect to content in pre-construction management plans, NSW Health at the Westmead campus (HAC and WSLHD) are satisfied that they have been provided an opportunity to consult on PLR CPBDJV's (Package 4) CEMP, SEMP and Sub-plans and that their requests have either been addressed through the proposed changes in the document or are comfortable that the issues will be managed through the consultation forums now established.

Table E- 10: Log of issues raised by Health NSW – Westmead Precinct as per A5 (d) and (e)

Reference	Comment	How addressed	Management plan reference location
1.01	Noise and vibration in relation to the research facilities and health services will be sensitive and we would like to be involved in this planning.	As part of the Land Use Study, we have been engaging with SCHM and other hospitals to identify facilities and equipment that are sensitive to vibration (refer to Section 12.3.1 of the Noise and Vibration Management Sub-plan). As per control measures NV02 (Table 11.2), a register of most affected noise and vibration sensitive receivers will be kept on site. If vibration intensive works are required within the safe working distances, vibration monitoring or attended vibration trials will be carried out to ensure that levels remain below the cosmetic damage criterion (Table 11.2, control measure NV44). Any such trials will occur in consultation with SCHW.	Table 11.2

Table E- 11: Log of consultation with Health NSW via PwC Capital Projects as per A5(b) and (c)

In / Out	Date and time	Method of contact	Details of contact
Out	27/08/19	Workshop	Executive briefing with Health NSW Cumberland Hospital and PwC.
In	4/9/19, 6:43	Email	Consolidated comments received from PwC on behalf of Health NSW – Cumberland Hospital. Refer to Table E-11 and E-12.
Out	23/10/19	Email	Draft Noise and Vibration Assessment System (methodology) for baseline surveys was issued to HAC for review. The Assessment System addressed a number of the comments raised relating to the Noise and Vibration Management Plan.
Out	28/10/19, 18:18	Email	Formal response to the consolidated comments provided on the 4/9/19.

In / Out	Date and time	Method of contact	Details of contact
In	1/11/19 17:02	Email	Final response from PWC on behalf of HAC / NSW Health confirming that with respect to content in pre-construction management plans, NSW Health at the Westmead campus (HAC and WSLHD) are satisfied that they have been provided an opportunity to consult on PLR CPBDJV's (Package 4) CEMP, SEMP and Sub-plans and that their requests have either been addressed through the proposed changes in the document or are comfortable that the issues will be managed through the consultation forums now established.

Table E- 12 Log of issues raised by Health NSW – Westmead Precinct as per A5 (d) and (e)

Reference	Comment	How addressed	Management plan reference location
1.01	INFRA to confirm if Table 7-2 should include Research Institutes (WIMR, CMRI, KR) in one of the NCA	The Research Institutes (WIMR, CMRI, KR) have been added to the relevant NCAs in Table 7-2.	Table 7-2
1.02	INFRA to confirm Figure 7-1 doesn't show location of NCA05.	NCA05 label has been added to Figure 7-1.	Figure 7-1
1.03	INFRA to confirm extent of monitoring – only noise monitoring is raised. What about vibration monitoring? More detail required on both noise and vibration monitoring. Will this be 24/7 monitoring? How will stakeholder and INFRA be notified of exceedances above thresholds? How will monitoring locations be identified?	Further detail on the noise and vibration monitoring requirements have been detailed in the HAC Noise and Vibration Assessment System that has been drafted in accordance with Schedule 7 of the Development Agreement. A draft revision of the Assessment System has been issued to Health on the 24/10/19 for review and comment. Collection of baseline data has also commenced as summaries in a letter report to HAC dated 12/09/19 (Renzo Tonin and Associates).	Section 12.3.4
1.04	INFRA to confirm a noise and vibration protocol will be established and used similar to the one used for the Westmead Redevelopment. This	The noise and vibration protocol will be determined in the Baseline Study report that will be developed in accordance with	-

Reference	Comment	How addressed	Management plan reference location
	details the contacts and escalation process if there is an exceedance in monitoring thresholds.	Schedule 7 of the Development Agreement.	
1.05	INFRA to confirm how noise and vibration exceedances will be tracked and communicated on weekends and out of hours when Research Institute or Hospital staff are not present	The noise and vibration exceedances notification process will be outlined as an outcome of the Baseline Study report that will be developed in accordance with Schedule 7 of the Development Agreement.	-
1.06	INFRA to confirm when construction noise and vibration levels will be presented to Westmead Stakeholders. Currently not clear what the impact of construction work will be.	In accordance with Planning Approval Condition E43, Construction Noise and Vibration Impact Statements (CNVIS) will be prepared for each construction activity. The predicted impacts from the CNVIS will be provided to Westmead Stakeholders as part of the ongoing consultation process to determine scheduling and respite periods.	-
1.07	INFRA to confirm noise and vibration levels during operation of light rail.	The operational noise and vibration impacts of the light rail will be determined by the Package 5 SOM Contractor.	-

Appendix F – Acoustic Advisor and Environmental Representative Endorsement

Air Noise Environment Pty Ltd

Level 6, 69 Reservoir Street
Surrey Hills
NSW 2010
T: 02 8217 0706
E: ane@ane.com.au

ACN 081 834 513
ABN 13 081 834 513

Attention: Transport for NSW (PLR)

Ref: PLR1INF-CPBD-ALL-NV-PLN_Rev8_AA_Endorsement_3May2020

3 May 2020

RE: PLR1INF–CPBD-ALL-NV-PLN_000001 NVMP Rev8
Adequacy for Submission (AA Review)

Beau Weyers, BEng(Mech), MAAS, RPEQ 09343, appointed Acoustic Advisor (AA), reviewed the following documentation with regard to the PLR – Stage 1 project:

Title:	Document Reference:	Version Status
Appendix B3 Noise and Vibration Management Sub Plan Infrastructure Works Stage 1 Parramatta Light Rail – Stage 1	PLR1INF-CPBD-ALL-NV-PLN-000001	Revision 3, 13 Aug 2019
		Revision 6, 05 Nov 2019
		Revision 7, 10 Feb 2020
		Revision 8, 1 May 2020

Pursuant to Conditions of Approval A29, the review confirms the documents have been reviewed for consistency by the AA, and the document remains in agreement with the acoustic requirements of the Terms of Approval (NSW Government – Infrastructure Approval (Application No.: SSI 8285)), as well as best practice methodologies for acoustics.

Yours sincerely
for Air Noise Environment Pty Ltd

Beau Weyers BE(Mech), MAAS, RPEQ
Senior Environmental Engineer

Note: All professional advice provided by Air Noise Environment, including any information contained in this letter, is subject to the terms of the Disclaimer shown on our website at www.ane.com.au/disclaimer.html

5 May 2020

Transport for NSW

Attention to: **Megan Haberley**
Senior Manager Environment
Parramatta Light Rail
130 George St, Parramatta, NSW 2150

Review of Appendix B3 - Noise and Vibration Management Sub Plan.
Infrastructure Works (Package 4) - Parramatta Light Rail Stage 1
(PLR1INF-CPBD-ALL-NV-PLN-000001 Rev 8)

Pursuant to SSI8285 Condition of Approval A23 (d) i), as the approved Environmental Representative, I confirm that I have reviewed the updated document Appendix B3 - Noise and Vibration Management Sub Plan, Infrastructure Works (Package 4), Parramatta Light Rail - Stage 1 (PLR1INF-CPBD-ALL-NV-PLN-000001, Rev 8), dated 01/05/2020, prepared by CPB Downer Joint Venture, for consistency with the requirements of the Conditions of Approval.

The amendments to the aforementioned document are minor in nature and are approved in accordance with Condition of Approval C8, noting the Acoustic Advisor endorsement under CoA A29 (g). The document continues to be consistent with the requirements included in or required under the terms of the Conditions of Approval for the Parramatta Light Rail (Stage 1) development.

Yours sincerely,

Australian Quality Assurance & Superintendence Pty Ltd (AQUAS)

Gillian Lehn
Environmental Representative
phone: +61 2 9956 9963 | fax: 02 9954 1951 | mobile: +61 438 355 346 |
email: gillian.lehn@aquas.com.au |

Filename : *AQ1148.05 PLR CPBD NVMP rev8 endorsement 200504*

NSW
GOVERNMENT