Appendix H – Noise and Vibration Addendum Report

Albion Park Rail bypass

September 2017

NSW GOVERNMENT

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Executive summary

This addendum noise and vibration assessment was prepared on the behalf of Roads and Maritime Services (Roads and Maritime) in support of a proposal to construct a 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats to bypass the suburb of Albion Park Rail.

Roads and Maritime has prepared a Submissions and Preferred Infrastructure Report (SPIR) to respond to issues raised in submissions received during the exhibition of the Albion Park Rail bypass Environmental Impact Statement (EIS) and also assesses the proposed design refinements. This addendum noise and vibration report forms an appendix to the SPIR and details the additional noise and vibration investigations undertaken as part of this process.

Operational traffic noise

The key design refinements that impact the noise and vibration assessment are:

- The revised traffic data from the further detailed traffic modelling
- Reconfiguration of the central interchange and new northbound exit ramp from the motorway onto Tongarra Road
- Reduction in the project footprint within agricultural land.

The assessment of the revised design and revised traffic modelling has determined that traffic noise levels are predicted to exceed the Noise Criteria Guideline (NCG) criteria at 795 sensitive receivers with no mitigation applied, compared to 732 in the EIS, an increase of 63 properties.

Reasonable and feasible mitigation measures considered in the EIS were reconsidered and modified as follows:

- Provision of low noise pavement surface to the new bypass main carriageways was increased to include an additional section of the bypass north of Tongarra Road, and reduced near the northern interchange as no resurfacing of the main carriageways is proposed in this area
- Increased length of concrete road safety barriers is proposed at the central interchange near Tongarra Road (Albion Park NB)
- Increased noise barrier heights and lengths are considered at Dapto
- Depending on the final barrier heights determined during detailed design, and combined with the provision of low noise pavement, these mitigation measures could potentially reduce the number of affected receivers, with mititgation, to 256. This is however greater than the 215 affected receivers based on the EIS design
- Provision of property treatments is proposed to mitigate residual impacts where the NCG criteria are not achieved after implementation of all other reasonable and feasible mitigation

measures. Section 5.5.5 describes the types of property treatments that are available, and provides the revised number of properties within each noise catchment area that are to be considered. APPENDIX G contains maps showing the locations of the identified properties.

Croom Regional Sporting Complex

The revised design has no substantial impact on the noise and vibration assessment of the Croom Regional Sporting Complex (CRSC), and noise impacts remain broadly the same as those reported in the EIS.

Construction noise and vibration

For the revised design, construction plant selections remain the same as for the EIS, and the construction phases of the project also remain similar. Changes to ancillary facilities generally relate to the removal of facilities, although there is an expansion of one facility. In summary, there is no significant change to the standard hours noise and vibration impacts presented in the EIS.

As part of the EIS, Roads and Maritime proposed an extension of construction working hours in certain areas. The extended work hours would reduce disruption to motorists and shorten construction time. Construction noise impact during the extended hours period was assessed and residences that were likely to be noise affected were identified.

Roads and Maritime conducted a survey of affected residents to determine if there was community support for the extended work hours. The survey found that 84 per cent of respondents were in favour of the extended work hours. Consequently, extended work hours across the project have been included as part of the assessable hours for the project, and noise impacts have been assessed as presented in Part C, Section 10.

To be consistent with recent major infrastructure project approvals, the air blast limits presented in the EIS have been revised and are based on AS2187.2-2006 for this SPIR, rather than the 'Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration' (ANZECC, 1990). The revised limits reduce the separation distances for the nominated Maximum Instantaneous Charge (MIC). The management levels (and separation distances) have not changed in relation to ground vibration.

Construction mitigation and management measures are provided in Section 14 to assist in reducing construction noise impacts to other sensitive receivers. A detailed Construction Noise and Vibration Management Plan (CNVMP) would be prepared prior to construction.

Contents

Executive summary iii
Operational traffic noise iii
Croom Regional Sporting Complex iv
Construction noise and vibration iv
1 Introduction 8
2 Methodology for assessing the design refinements 11
Part A Operational Traffic Noise Assessment 12
3 Operational traffic noise criteria 13
4 Guidance on the evaluation of noise mitigation measures 15
5 Operational traffic noise assessment 16
5.1 Noise modelling scenarios 16
5.2 Noise modelling methodology 16
5.3 Traffic data 19
5.4 Assessment of revised noise impacts 19
5.5 Noise mitigation options 21
5.5.1 Quieter pavements 21
5.5.2 Noise barriers 23
5.5.3 Noise barrier assessment summary 23
5.5.4 Process to confirm the final Dapto noise barrier arrangements during detailed design 26
5.5.5 Property treatments 31
6 Assessment of maximum noise levels 35
Part B Reconfiguration of Croom Regional Sporting Complex 36
7 Reconfiguration of Croom Regional Sporting Complex 37
7.1 Impact of reconfiguration on sports noise emissions 37
7.2 Traffic noise impact onto sporting complex 37
Part C Construction Noise and Vibration Assessment 38
8 Overview of construction works 39
8.1 Description of changes to construction works 39
8.1.1 Removal of four ancillary sites 39
8.1.2 Central interchange, northbound exit ramp relocated 40
8.1.3 Construction of twin bridges on Motorway over the cattle crossing 40
8.1.4 Construction working hours have been modified 40
8.2 Extended construction work hours 41
8.3 Noise and vibration sensitive receivers 41
8.3.1 Residential receivers 41
8.3.2 Other sensitive receivers 42

9 Construction noise and vibration objectives 46
9.1 Airborne construction noise management levels 46
9.2 Construction vibration objectives 46
9.3 Blast noise and vibration management levels 46
9.4 Construction related road traffic noise objectives 46
10 Construction noise assessment 47
10.1 Construction noise assessment methodology 47
10.2 Predicted noise levels during standard construction hours and morning extended construction hours 47
10.3 Predicted noise levels during evening and Saturday extended construction hours 47
10.4 Predicted noise levels during out of hours work 48
11 Construction vibration 51
12 Blasting 52
12.1 Potential blasting requirements 52
13 Construction related road traffic 53
14 Construction mitigation and management measures 54
14.1 Highly noise affected receivers 54
14.2 Recommended minimum buffer distances for sensitive receivers 54
14.3 Blast mitigation and management 54
14.4 Other noise control measures 54
14.5 Additional mitigation measures 54
14.5.1 Additional airborne noise mitigation measures 56
14.5.2 Additional vibration mitigation measures 56
15 Conclusion 58
15.1 Operational traffic noise impact 58
15.2 Croom Regional Sports Complex 58
15.3 Construction noise and vibration impact 58
15.4 Mitigation measure summary 59
References 62
APPENDIX A Glossary of terminology 63
APPENDIX B NCG criteria maps and additional assessment receivers 65
APPENDIX C Traffic data 77
APPENDIX D Predicted road traffic noise level (pre mitigation) 82
APPENDIX E Noise barrier analysis 83
APPENDIX F Predicted road traffic noise level (with mitigation) 93
APPENDIX G Properties to be considered for treatment 94
APPENDIX H Extended hours - noise affected properties 103

List of tables

Table 1 Modelled scenarios 16

Table 2 Comparison summary of receivers that exceed NCG criteria and qualify for consideration of noise mitigation 19

Table 3 Detailed summary of revised receivers that qualify for consideration of additional noise mitigation 20

Table 4 Noise barrier assessment summary 24

Table 5 Residential at-property treatment options 32

Table 6 Number of properties exceeding NCG criteria (with mitigation) 33

Table 7 Detailed summary of revised receivers that qualify for consideration of at-property treatment 33

Table 8 Ancillary sites – changes to EIS 39

Table 9 Construction hours 41

Table 10 Ground vibration and airblast limits for human comfort (TABLE J4.5(A) and J5.4(A) AS 2670.2) 46

Table 11 Predicted construction noise levels from extended evening hour construction activities at each Noise Catchment Area (NCA) 49

Table 12 Predicted construction noise levels from extended Saturday afternoon construction activities at each Noise Catchment Area (NCA) 50

Table 13 Summary of typical MIC and compliant separation distance 52

Table 14 Description of Roads and Maritime additional mitigation measures (Appendix C, CNVG) 55

Table 15 Additional airborne noise mitigation measures (Table C.1, CNVG) 56

Table 16 Additional ground-borne vibration mitigation measures (Table C.3, CNVG) 57

Table 17 Mitigation measure summary 60

List of figures

Figure 1 The project 10

Figure 2 Noise catchment areas 14

Figure 3 Additional existing noise barrier 18

Figure 4 Proposed extent of low noise pavement 22

Figure 5 Locations where noise barriers were considered (Albion Park) 27

Figure 6 Locations where noise barriers were considered (central interchange near Tongarra Road) 28

Figure 7 Locations where noise barriers were considered (Yallah) 29

Figure 8 Locations where noise barriers were considered (Dapto) 30

Figure 9 Noise catchment areas and ancillary site locations (north) 43

Figure 10 Noise catchment areas and ancillary site locations (south) 44

Figure 11 Noise catchment areas and ancillary site locations (south-east) 45

1 Introduction

Roads and Maritime Services (Roads and Maritime) propose to build a 9.8 kilometre extension of the Princes Motorway between Yallah and Oak Flats that would bypass Albion Park Rail. Key features of the project include:

- Two lanes in each direction divided by a median (with capacity to upgrade to three lanes in each direction in future)
- Three interchanges provided at Yallah, Albion Park and Oak Flats would connect the local road network with the motorway
- Bridges to carry the motorway over Duck Creek, Macquarie Rivulet and Frazers Creek
- Bridges to carry the motorway over the Princes Highway and Tongarra Road
- A bridge to carry the motorway over the South Coast Rail Line
- Improved pedestrian and cycle connections
- Improvements to directly impacted sporting facilities at the Croom Regional Sporting Complex (CRSC) and changes to the southern access.

An Environmental Impact Statement (EIS) was prepared by Roads and Maritime to assess the potential impacts of the project. The EIS was publicly exhibited by the Department of Planning and Environment (DP&E) between 28 October and 27 November 2015.

Roads and Maritime has refined aspects of the project as presented in the EIS in order to minimise impacts, where possible. Design refinements have been developed in response to:

- Consultation with the community during the EIS exhibition period
- Submissions received during and following the EIS exhibition period
- Landowner discussions during property acquisition and adjustment since exhibition of the environmental impact statement
- Continued development of the concept design.

The key design refinements proposed include:

- Reconfiguration of the central interchange to minimise the impact on agricultural land and allow northbound traffic to exit the motorway onto Tongarra Road
- Reduction in the project footprint within agricultural land
- Some refinements to intersection arrangements in response to further detailed traffic modelling.

Roads and Maritime has prepared a Submissions and Preferred Infrastructure Report (SPIR) to respond to issues raised in submissions received during the exhibition of the EIS and describe proposed design refinements. This report forms an appendix to the SPIR and details the additional noise and vibration investigations undertaken as part of this process.

Figure 1 The project

2 Methodology for assessing the design refinements

The design refinements that impact the noise and vibration assessment are:

- The revised traffic data from the further detailed traffic modelling
- Reconfiguration of the central interchange and new northbound exit ramp from the motorway onto Tongarra Road
- Reduction in the project footprint within agricultural land.

Changes to the construction methodology that impact the noise and vibration assessment are:

- Extended work hours across the whole project
- Removal of several ancillary sites.

The methodology for assessing the design refinements that impact the noise and vibration assessment is:

- Obtain revised design and traffic data and input into noise model
- Determine revised noise catchment areas and noise criteria
- Identify properties that exceed the Roads and Maritime Noise Criteria Guideline (NCG) and trigger for consideration of noise mitigation
- Apply the Noise Mitigation Guideline (Roads and Maritime, 2015) (NMG) including assessment of potential noise barriers and revised barrier heights
- Determine where noise barriers are reasonable and feasible
- Identify remaining non-compliant properties for consideration of property treatment
- Consider the noise impacts and results of community surveys regarding extended work hours.

Part A Operational Traffic Noise Assessment

3 Operational traffic noise criteria

Noise criteria are assigned to sensitive receivers using the Roads and Maritime NCG (2015). The Roads and Maritime NCG provides guidance on how to apply the NSW Road Noise Policy (RNP, 2011). The assessment timeframes for the criteria are in the year of opening and 10 years after opening.

The project assessment area extends to where noise levels are dominated by other roads that are not being assessed as part of this project as defined in NCG. This is up to a maximum distance of 600 metres from the project works for urban areas and 800 metres for rural areas.

Residences may be assigned new, redeveloped, transition zone or relative increase criteria depending on how the project would influence noise levels. For each facade of the residence, the most stringent applicable criteria was used in the assessment.

In some instances residences may be exposed to noise from new and redeveloped roads or different functional classes. In this instance, the proportion of noise from each road is used to establish transition zone criteria and provides a smooth change in noise criteria between adjacent residences. A further check is made to prevent large increases in noise level using the relative increase criteria.

The transition zones for the revised design are the same as for the EIS and are restated here for clarity. There are transition zones at the following locations;

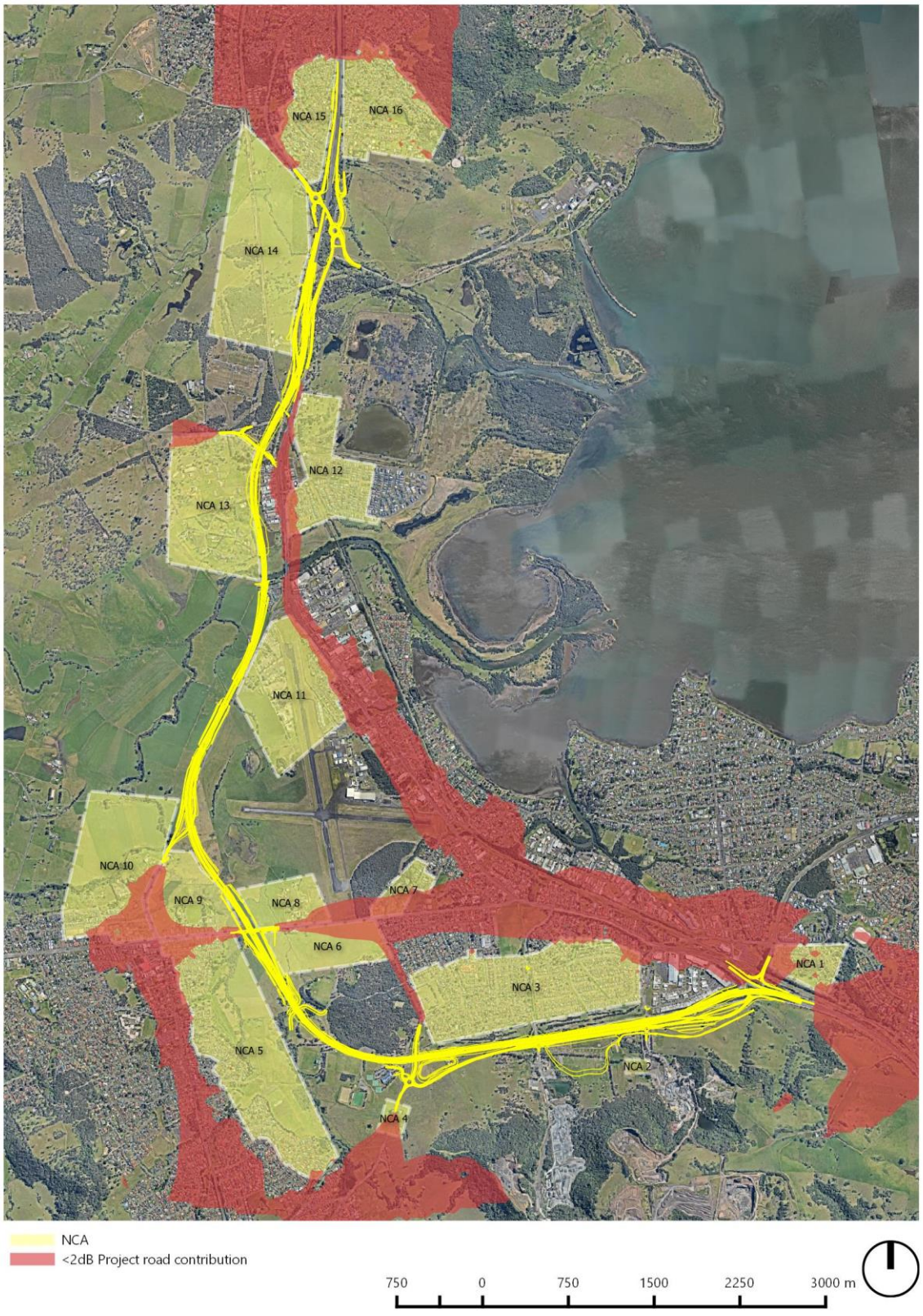
- Where the proposed Bypass meets the redeveloped Princes Highway at the southern end of the project
- Where the proposed Bypass meets the redeveloped Illawarra Highway near Tongarra Road
- Where the proposed Bypass re-joins the redeveloped Princes Motorway at Haywards Bay
- At the extent of works at the northern end of the project.

The project assessment areas are shown as Noise Catchment Areas (NCAs) in Figure 2. The red shaded areas are those areas where traffic noise levels are dominated by roads other than project roads and have been used to assist in determining the extents of the NCAs.

The NCAs are consistent with those identified in the EIS except NCA 11 and NCA 12. The boundary of NCA 11 has been expanded to the east towards Princes Highway as a result of higher traffic volumes along the proposed bypass. The boundary of NCA 12 has been expanded to the north and east as a result of higher traffic volumes along the proposed bypass and for the inclusion of one additional residence that was identified in the EIS as a commercial property.

The criteria applicable to noise sensitive receivers located within the NCAs are shown on the maps in APPENDIX B.

Figure 2 Noise catchment areas

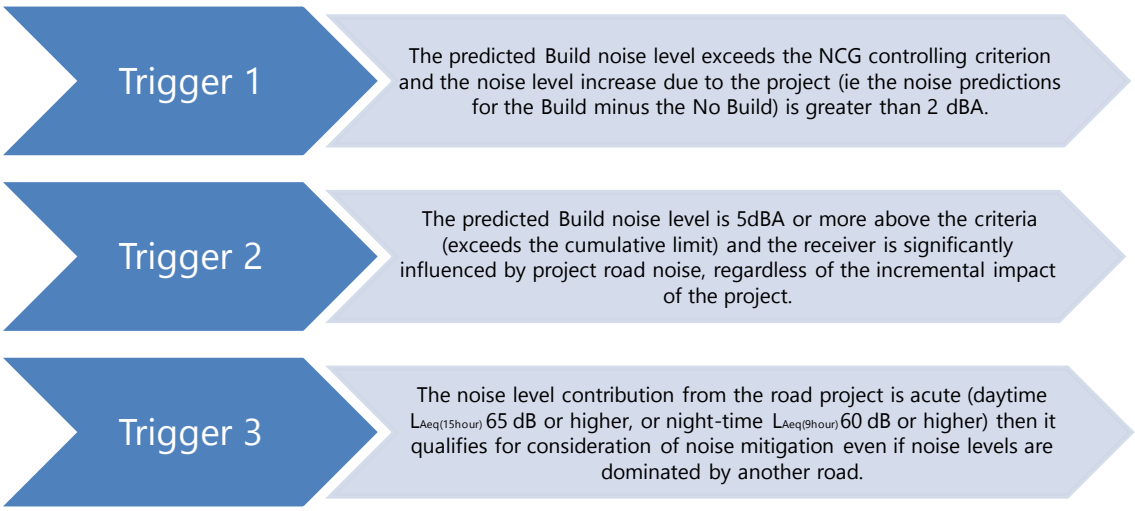


4 Guidance on the evaluation of noise mitigation measures

The Noise Mitigation Guideline (Roads and Maritime, 2015) (NMG) provides guidance in managing and controlling road traffic generated noise and describes the principles to be applied when reviewing noise mitigation. The NMG recognises that the criteria recommended by the NCG are not always practicable and that it is not always feasible or reasonable to expect that they should be achieved.

The NMG notes that the most effective way of minimising noise from vehicles and traffic is to control vehicle noise at the source. Where source measures are not practical, or do not provide sufficient noise reduction, additional methods are required to reduce levels to within acceptable margins. Such additional methods may include the use of noise barriers and/or consideration for architectural treatment of residences.

The NMG provides three triggers where a receiver may qualify for consideration of noise mitigation (beyond the adoption of road design and traffic management measures). These are:



The eligibility of receivers for consideration of additional noise mitigation is determined before the benefit of quieter pavement and noise barriers is included. The requirement for the project is to provide reasonable and feasible additional mitigation for these eligible receivers to meet the NCG controlling criterion. If the NCG criterion cannot be satisfied with quieter pavement and noise barriers, then the receiver is eligible for consideration of at-property treatment.

5 Operational traffic noise assessment

5.1 Noise modelling scenarios

To conduct this revised traffic noise assessment, different traffic scenarios were required to be modelled and compared. The assessment considers both the 'build' (with the project) and 'no build' (without the project) scenarios for the year of opening and ten years after opening). Table 1 summarises the scenarios that were modelled.

The project has been designed for two lanes in each direction at the year of opening with potential for three lanes in the future as required. Roads and Maritime will be reviewing the need for the additional lanes in 2041. Any future widening of the Princes Motorway to three lanes would be subject to additional assessment.

Table 1 Modelled scenarios

Label	Description
2021 No build - day	Day time based on 2021 'no build' scenario
2021 No build - night	Night-time based on 2021 'no build' scenario
2031 No build - day	Day time based on 2031 'no build' scenario
2031 No build - night	Night-time based on 2031 'no build' scenario
2021 Build - no mitigation - day	Day time based on 2021 'with build' scenario — no mitigation
2021 Build - no mitigation -night	Night-time based on 2021 'with build' scenario — no mitigation
2031 Build - no mitigation - day	Day time based on 2031 'with build' scenario — no mitigation
2031 Build - no mitigation -night	Night-time based on 2031 'with build' scenario — no mitigation
2021 Build - with mitigation - day	Day time based on 2021 'with build' scenario — with quieter pavement and noise barriers
2021 Build - with mitigation - night	Night-time based on 2021 'with build' scenario — with quieter pavement and noise barriers
2031 Build - with mitigation - day	Day time based on 2031 'with build' scenario — with quieter pavement and noise barriers
2031 Build - with mitigation - night	Night-time based on 2031 'with build' scenario — with quieter pavement and noise barriers

5.2 Noise modelling methodology

Noise predictions are based on a method developed by the United Kingdom Department of Environment entitled "Calculation of Road Traffic Noise (1988)" known as the CoRTN (1988) method. This method has been adapted to Australian conditions and extensively tested by the Australian Road Research Board and as a result, it is recognised and accepted by the NSW Environment Protection Authority (EPA).

The CoRTN algorithms are contained within the 'CadnaA' noise modelling software, which has been used to calculate traffic noise levels at receivers. Other than the new traffic data supplied for this revised assessment, there were no changes to the noise model input parameter settings compared to the EIS.

There was one additional existing noise barrier included in the model from those identified in the EIS, which was identified after closer inspection of the area west of NCA 12. This additional existing noise barrier is shown in Figure 3.

Figure 3 Additional existing noise barrier

5.3 Traffic data

Following the public exhibition of the EIS, the traffic model was updated to include revisions to residential and employment forecasts and alterations to the model network, which is further discussed in the Addendum Traffic and Transport Assessment Report (HCJV, 2017).

A revised set of traffic data was supplied for this revised noise assessment based on the revised traffic model and generally has higher traffic volumes than the EIS.

The traffic data used to determine the predicted road traffic noise levels are presented APPENDIX C.

5.4 Assessment of revised noise impacts

Revised predicted traffic noise levels for all receivers prior to any road corridor mitigation such as quieter pavement or noise barriers being implemented are presented APPENDIX D. The results consider the worst case noise impacts based on Year of Opening 2021 and Design Year 2031.

Table 2 summarises the results and provides the revised number of receivers in each NCA that exceed the NCG criteria and qualify for consideration of noise mitigation. The differences to the EIS results are also shown. Table 3 categorises the degree of exceedance of the NCG criteria.

The increased number of properties qualifying for treatment in NCA 3, NCA 11, NCA 15 and NCA 16 is primarily due to the revised increased traffic volumes. Traffic noise levels have increased by up to 3dB(A) depending on the location of the receiver. The increased volumes also resulted in the enlargement of the catchment area boundary for NCA 11 and NCA 12. The additional assessment receivers within the revised NCA 11 and NCA 12 are shown in APPENDIX B.

For NCA 5, there are additional receivers (typically the first floor of double story dwellings) which have been triggered towards the back of the catchment, along with a greater number of receivers triggered near to the northbound offramp to Tongarra Road. Therefore, the increase in receivers requiring additional noise mitigation is a combination of the revised traffic volumes and the inclusion of the northbound offramp to Tongarra Road.

The Project design in this EIS had redevelopment works on Illawarra Highway extending from the interchange to Tongarra Road. In the revised assessment, the redevelopment works on Illawarra Highway finish approximately 600m north of Tongarra Road, therefore the reduced number of properties in NCA 10 is due to the reduced extent of work at the central interchange.

Table 2 Comparison summary of receivers that exceed NCG criteria and qualify for consideration of noise mitigation

NCA	Revised Receivers	EIS Receivers	Difference in Receivers to EIS
NCA 1	1	2	-1
NCA 2	1	1	0
NCA 3	432	414	+18

NCA	Revised Receivers	EIS Receivers	Difference in Receivers to EIS
NCA 4	2	2	0
NCA 5	150	139	+11
NCA 6	1	1	0
NCA 7	0	0	0
NCA 8	5	6	-1
NCA 9	9	9	0
NCA 10	15	19	-4
NCA 11	37	23	+14
NCA 12	14	15	-1
NCA 13	21	21	0
NCA 14	1	1	0
NCA 15	56	45	+11
NCA 16	50	34	+16
Total	**795**	**732**	**+63**

Table 3 Detailed summary of revised receivers that qualify for consideration of additional noise mitigation

NCA	Exceedance of NCG Criteria				Total
	<5 dB	6-10 dB	10-15 dB	>15 dB	
NCA01	0	0	1	0	1
NCA02	1	0	0	0	1
NCA03	342	88	2	0	432
NCA04	0	2	0	0	2
NCA05	143	7	0	0	150
NCA06	0	1	0	0	1
NCA07	0	0	0	0	0
NCA08	2	3	0	0	5
NCA09	2	4	3	0	9
NCA10	4	11	0	0	15
NCA11	28	5	4	0	37
NCA12	8	6	0	0	14
NCA13	9	8	4	0	21
NCA14	0	1	0	0	1
NCA15	10	35	11	0	56
NCA16	16	32	2	0	50

5.5 Noise mitigation options

The NMG provides a methodology in relation to determining and recommending acoustic treatments for road projects. In accordance with the NMG, once noise has been minimised by feasible and reasonable methods during the corridor planning and road design stages, receivers with residual exceedances of the NCG criteria are assessed in accordance with the process described in Section 4 of this report to determine if receivers qualify for consideration of additional noise mitigation.

For receivers that qualify for consideration of noise mitigation measures, potential noise mitigation measures are identified, in the order of preference for application given in the RNP:

1. Quieter pavement surfaces
2. Noise mounds
3. Noise walls
4. At-property treatments.

The following sections discuss where the revised noise mitigation measures may differ to those recommended in the EIS study.

5.5.1 Quieter pavements

A low noise pavement such as Stone Mastic Asphalt (SMA) or Open Grade Asphaltic Concrete (OGAC) can typically provide a 2dB(A) reduction in overall traffic noise relative to Dense Graded Asphaltic Concrete. Final determination of the type of pavement surface to be applied to the different sections of the project would be decided during detailed design.

Low noise pavement would be implemented from the southern extent of the project to north of Yallah Road. The sections of road where low noise pavement have been determined to be reasonable and feasible are shown in Figure 4.

Compared to the EIS, low noise pavement has been extended to include the section north of Tongarra Road. This was found to be beneficial in mitigating the higher noise levels that result from the higher traffic volumes used in this revised assessment. Low noise pavement has been reduced in comparison to the EIS near the northern interchange after a scope clarification confirmed that no resurfacing of the main carriageways is proposed in this area.

Figure 4 Proposed extent of low noise pavement

5.5.2 Noise barriers

A noise barrier can be a noise mound or a noise wall, or a combination of both. Following adoption of quieter pavement in the noise model, there were still exceedances of the NCG criteria. As noise barriers are the next preferred form of mitigation, this option was investigated. The NMG states the following key points in relation to noise barriers:

"Noise barriers should be considered where there are four or more closely spaced receivers."

AND

"Barrier heights above 8 metres will not be considered"

AND

"As a guide noise walls or mounds are considered to be a reasonable noise mitigation option where they are capable of providing an insertion loss of:

5 dB(A) at representative receivers for heights up to 5 metres high

10 dB(A) at representative receivers for heights above 5 metres and up to 8 metres high."

Figure 5, Figure 6, Figure 7 and Figure 8 show the locations where noise barriers were considered for inclusion in the project. For each barrier an effectiveness assessment was performed in accordance with the process described in Section 8 of the NMG. The outcomes of the barrier assessment determined whether the barriers were reasonable to implement, and if so, the design barrier height. The detailed results of the barrier analysis are presented in APPENDIX E.

The main differences in the barriers that have been considered for the revised design and revised traffic modelling compared to those considered in the EIS are:

- The existing barrier shown in Figure 3 has been included in the noise model
- The Dapto NB and Dapto SB barrier analysis has been refined by analysing the barriers in sections. This sectioning was conducted due to the variability in the local ground topography along the entire length of the barriers and to better understand the effectiveness of each section. The new analysis included consideration of replacing or extending the existing barriers at Dapto.

5.5.3 Noise barrier assessment summary

Table 4 summarises the final outcomes of the noise barrier assessment. All barriers are subject to detailed design and community consultation before being finalised.

With respect to the outcomes for the Dapto barriers, the following differences to the EIS are noted:

- Consideration of the Dapto NB barrier in the EIS determined a design height of 5 metres, which achieved the required insertion loss and provided a benefit in terms of number of houses requiring treatment. Application of the NMG procedure to the Dapto NB 1 and Dapto NB 2 barriers, considering the revised design and revised traffic modelling, identified a design barrier height of 6.5 metres for both barriers. Dapto NB 2 achieved the required 10dB insertion loss, and Dapto NB 1 achieved approximately 9dB insertion loss. While Dapto NB1 does not quite achieve the required insertion loss, it has been elected to include both barriers at a height of 6.5m
- Replacement of the existing barriers at Dapto NB 3 and Dapto SB 1 was not considered in the EIS. By applying the NMG procedure on a barrier in the same locations as the existing barriers, design heights of 8 metres and 7.5 metres (respectively) have been determined. These barriers would meet the required insertion loss and achieve compliance with the NCG criteria at several additional residences. If visual impact, cost and aeronautical assessment are acceptable, then replacement barriers at these locations are considered reasonable.

The aviation assessment of the proposed noise barriers has identified that Dapto NB2 has a section which protrudes into the Illawarra Regional Airport operational Obstacle Limitation Surface. The extent of the protrusion is as follows:

- Existing operational OLS – Protrusion length of approx. 170m, max protrusion height of approx. 7.5m
- Aspirational future OLS - Protrusion length of approx. 490 m, max protrusion height of approx. 9.8m.

At detailed design, if retained, the height, nature and plan location of these barriers would need to be reviewed in consultation with the Illawarra Regional Airport operator (Council) and the Civil Aviation Safety Authority (CASA) which may require an aeronautical assessment of the risk presented to aircraft operations. This assessment may require reductions in barrier height in order to achieve acceptable aviation impacts.

Table 4 Noise barrier assessment summary

Barrier name	Location	Barrier assessment outcome	Revised barrier	EIS barrier
Albion Park SB	North side of bypass from Croome Road in the west to Colden Drive in the east.	Design barrier height of 6m does not achieve required insertion loss. Reasonable to build 5m high barrier.	5m	5m

Barrier name	Location	Barrier assessment outcome	Revised barrier	EIS barrier
Albion Park NB	West side of elevated section of bypass over Tongarra Road	Design barrier height of 2.5m does not achieve required insertion loss due to traffic noise from Tongarra Road. Extending the proposed length of kerbside concrete safety barriers was found to be beneficial. Concrete safety barriers to be continuous on western side of bypass from northern Frazers Creek crossing to southern Frazers Creek crossing, and on Tongarra Road off ramp. (Concrete safety barriers are part of the road design and are therefore not shown as noise barriers in Appendix G).	0.82m extended concrete safety barrier	0.82m concrete safety barrier
Yallah SB	East side of bypass between bypass and Illawarra Hwy, near Croome Lane	Design barrier height of 4m not feasible due to infringement on the Illawarra Regional Airport obstacle limitation surface (OLS), the 3-dimensional space that is kept clear of obstacles to allow the take-off and landing of aircraft. There is also flooding in this location, between Larkins Lane and the river, and a noise wall may result in adverse flood impacts.	Barrier not feasible and reasonable	Barrier not feasible and reasonable
Yallah NB	West side of new bypass from river in the south to where bypass goes into cutting	Design barrier of 4.5m does not achieve required insertion loss and only achieves compliance at 1 residence as houses are set higher than the road. Barrier not a reasonable mitigation solution.	Barrier not feasible and reasonable	Barrier not feasible and reasonable
Dapto NB1	West side of Princes Motorway between Princes Hwy overpass and Dapto NB2	Houses set high above the road. Design barrier height of 6.5m achieves approximately 9dB insertion loss which is close to the 10dB requirement. Due to this it has been elected to retain this barrier, subject to confirmation during detailed design as described below.	6.5m	5m
Dapto NB2	West side of Princes Motorway between Dapto NB1 and start of existing barrier to the north	The Design barrier of 6.5m achieves required insertion loss. This 6.5m barrier is considered reasonable, subject to review during detailed design as described below.	6.5m	5m
Dapto NB3	West side of Princes Motorway in same location as existing barrier, stopping at northern project boundary	Design barrier of 8m achieves required insertion loss and provides more than 2.0dB benefit compared to the existing barrier. This 8m barrier is considered reasonable, subject to review during detailed design as described below.	8m	New barrier not considered. Existing barrier remains.
Dapto SB1	East side of Princes Motorway in same location as existing barrier, stopping at northern project boundary	Design barrier of 7.5m achieves required insertion loss and provides more than 2.0dB benefit compared to the existing barrier. This 7.5m barrier is considered reasonable, subject to review during detailed design as described below.	7.5m	New barrier not considered. Existing barrier remains.
Dapto SB2	East side of Princes Motorway from southern most house in Cormack Ave to meet existing noise wall in the north	Design barrier height of 7.5m does not achieve required insertion loss. Barrier not reasonable.	Barrier not feasible and reasonable	Barrier not feasible and reasonable

5.5.4 Process to confirm the final Dapto noise barrier arrangements during detailed design

The Dapto NB and Dapto SB noise barriers presented in this report are those that have been determined following the Roads and Maritime Noise Criteria Guidelines, however, these need to be confirmed during detailed design.. This process to confirm the final wall layout and heights would be:

1. Consideration of the protrusions into the operational and aspirational OLS that are identified in the Aviation Impact Assessment addendum report. In the event that the protrusion is deemed unacceptable, this may restrict the maximum height of the noise walls
2. Ensure no engineering feasibility issues preclude the construction of the noise barriers presented in this report
3. Establish a community group for each corresponding barrier at Dapto which consists of the residents from properties identified as exceeding, without mitigation, the Noise Criteria Guideline (Roads and Maritime, 2015) in the adjoining noise catchment area and any residents otherwise impacted by the construction of the noise wall
4. Develop feasible options for each wall including the associated potential impacts for each options such as visual, noise and overshadowing. A "no change" to existing barrier or "no barrier" option will be included in each option series
5. Present the options to the relevant community groups allowing the opportunity for the group members to provide feedback on the preferred option to be utilised in the short listing of the two preferred options
6. Select the preferred noise barrier option with the majority community support from the consultation process undertaken.

Figure 5 Locations where noise barriers were considered (Albion Park)

Figure 6 Locations where noise barriers were considered (central interchange near Tongarra Road)

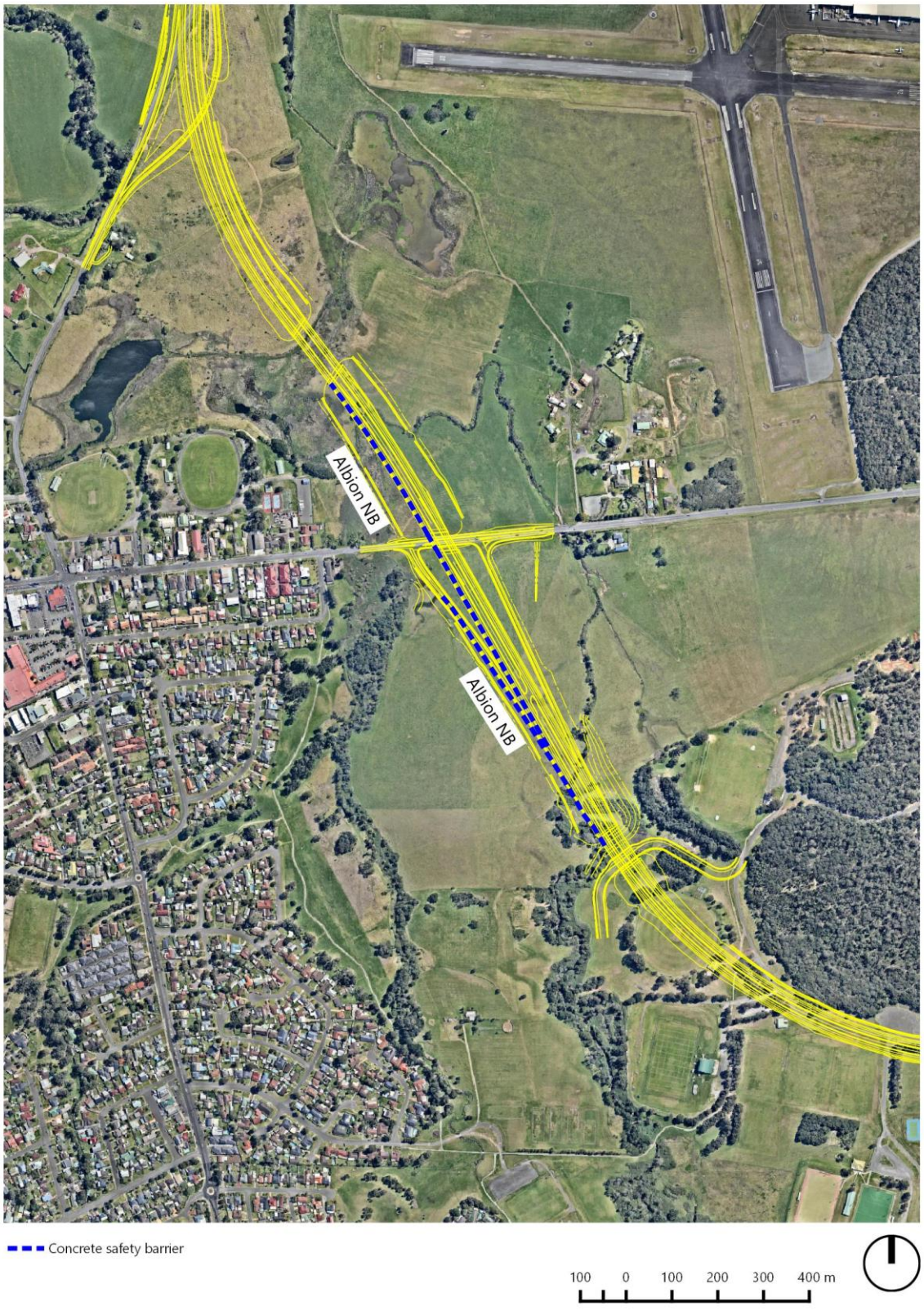
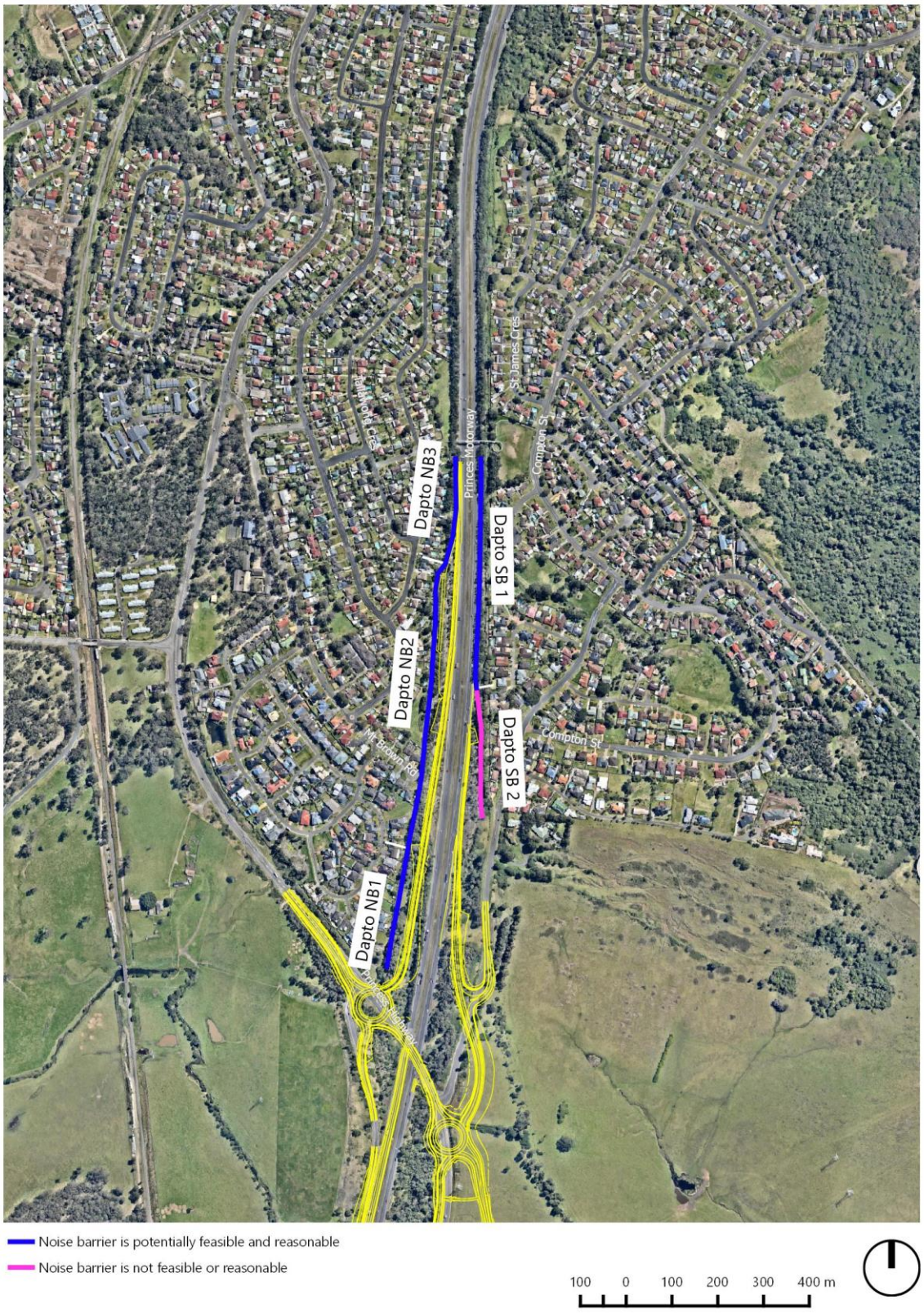


Figure 7 Locations where noise barriers were considered (Yallah)

Figure 8 Locations where noise barriers were considered (Dapto)



5.5.5 Property treatments

Property treatment are considered for dwellings that remain above the NCG criteria after all other noise mitigation measures are exhausted. Property treatment is generally limited to the acoustic treatment of building elements and the installation of acoustic screen walls close to the receiver where they also protect outdoor living spaces. Identified sensitive receivers adjacent to the road corridor that remain above the NCG criteria are assessed against existing development consent conditions when considering property treatments.

The NCG's noise criteria are external noise goals, and building treatment only reduces noise levels inside a dwelling. Therefore, any building treatment would be designed to achieve the internal noise levels that would have been achieved had the project complied with the NCG criteria externally.

According to the Roads and Maritime's 'Noise Mitigation Guideline' and 'Environmental Noise Management Manual' (ENMM), building treatments (in no particular order) may comprise of the following:

- The installation of courtyard screen walls
- Fresh air ventilation systems that draw air into a building, and meet Building Code of Australia requirements with the windows and doors shut
- Upgraded windows and glazing and solid core doors on the exposed facades of masonry or insulated weather board structures (not for light framed structures)
- Upgrading window and door seals and appropriate treatment of sub-floor ventilation
- Sealing wall vents
- Sealing of the underfloor below the bearers
- Sealing of eaves.

The following provides guidance on the level of treatment required in relation to the exceedance above the NCG external assessment criteria.

Table 5 Residential at-property treatment options

Treatment	Predicted exceedance of RNP external criteria, dB(A)	At-Property Acoustic Treatment
1	<5	Install fresh air mechanical ventilation (or air-conditioning with fresh air ventilation) to affected rooms (see Notes 1 & 2)
2	6-10	As above + replace weather seals with acoustic seals on windows and doors
3	11-15	As above + replace existing glazing with thicker laminated glazing (see Note 3)
4	>15	Treatments 1 + 2 + install supplementary window, fitted with acoustic seals, to inner side of existing window (see Note 3)

Notes: 1. If internal noise goals can only be achieved with windows closed, then mechanical ventilation should be considered to ensure fresh airflow inside the dwelling so to meet the requirements of the Building Code of Australia.

2. It is important to ensure that mechanical ventilation does not provide a new noise leakage path into the dwelling and does not create a noise nuisance to neighbouring residential premises.

3. These upgrades are only suitable for masonry type buildings. It is unlikely that this degree of upgrade would provide noticeable benefits to light framed structures with no acoustic insulation in the walls.

Depending on the final barrier heights determined during detailed design, and combined with the provision of low noise pavement, the number of affected receivers mitigation measures could potentially reduce to 256. This is however greater than the 215 affected receivers based on the EIS design. Table 6 summarises the number of properties within each noise catchment that remain above the NCG criteria after implementation of low noise pavement and noise barriers, and therefore trigger for consideration of at-property treatment.

These results are indicative only as property treatments are dependent on the detailed design of noise barriers. For this assessment the barriers identified in Section 5.5.2 as potentially feasible and reasonable have been included when determining property treatments.

This property treatment advice is based on the current design and is subject to detailed design review and community consultation. Site inspections of individual properties should be carried out to confirm the current state of dwellings prior to implementation of any treatments, such as existing noise treatments, or constraints on the implementation of property treatment.

Table 6 Number of properties exceeding NCG criteria (with mitigation)

NCA	Revised Properties Exceeding	EIS Properties Exceeding	Difference in Properties Exceeding to EIS
NCA 1	1	2	-1
NCA 2	1	1	0
NCA 3	12	12	0
NCA 4	2	2	0
NCA 5	76	43	+33
NCA 6	1	1	0
NCA 7	0	0	0
NCA 8	5	6	-1
NCA 9	9	9	0
NCA 10	14	19	-5
NCA 11	26	14	+12
NCA 12	14	15	-1
NCA 13	21	21	0
NCA 14	1	1	0
NCA 15	37	35	+2
NCA 16	36	34	+2
Total	**256**	**215**	**+41**

Table 7 Detailed summary of revised receivers that qualify for consideration of at-property treatment

NCA	Exceedance of NCG Criteria				Total
	<5 dB	6-10 dB	10-15 dB	>15 dB	
NCA01	0	0	1	0	1
NCA02	1	0	0	0	1
NCA03	10	2	0	0	12
NCA04	0	2	0	0	2
NCA05	70	6	0	0	76
NCA06	0	1	0	0	1
NCA07	0	0	0	0	0
NCA08	4	1	0	0	5
NCA09	3	3	3	0	9
NCA10	6	8	0	0	14
NCA11	19	3	4	0	26
NCA12	10	4	0	0	14
NCA13	11	8	2	0	21
NCA14	0	1	0	0	1

NCA	Exceedance of NCG Criteria				Total
	<5 dB	6-10 dB	10-15 dB	>15 dB	
NCA15	18	19	0	0	37
NCA16	22	13	1	0	36

6 Assessment of maximum noise levels

As the road alignment has not changed substantially from the EIS, maximum noise levels (Lmax) are also not expected to change substantially.

Lmax noise levels are expected to remain broadly the same as those presented in the EIS as the distance from the road to the residence has not changed substantially as a result of the revised design.

Part B Reconfiguration of Croom Regional Sporting Complex

7 Reconfiguration of Croom Regional Sporting Complex

7.1 Impact of reconfiguration on sports noise emissions

The Croom Regional Sporting Complex (CRSC) would be reconfigured to enable the continuing operation of the facility once the bypass is completed. The design refinements proposed since the exhibition of the EIS are not substantial enough to impact the noise and vibration assessment, therefore the information contained in the EIS study relating to sports noise emission remains valid.

7.2 Traffic noise impact onto sporting complex

The revised traffic data supplied for this revised noise assessment generally increases traffic noise levels slightly across the project. At the Croom Regional Sporting Complex, traffic noise levels for the project build scenario are generally within 1dB(A) of the levels reported in the EIS. Therefore, the revised design of the project has no substantial additional impact on the sporting fields, and impacts remain broadly the same as those reported in the EIS.

Part C Construction Noise and Vibration Assessment

8 Overview of construction works

This section of the report provides an outline of the key changes to the construction of the Albion Park Rail bypass and how the changes affect:

- Key noise and vibration generating works that would be carried out to complete the Albion Park Rail bypass
- Relevant noise and vibration limits set by regulations, codes and standards
- Typical noise and vibration emission levels; and most importantly
- Noise and vibration control and management techniques to be implemented to mitigate noise and reduce annoyance to the surrounding community.

8.1 Description of changes to construction works

The design of the project has carefully considered constructability with the requirement to minimise impact on the existing traffic, enable safe construction access and egress and to minimise the duration of construction. Four changes have been identified from the EIS Construction Assessment, these are outlined below.

Figure 9, Figure 10 and Figure 11 show the location of the project works and the proposed ancillary sites associated with construction.

8.1.1 Removal of four ancillary sites

The EIS Construction Assessment identified 13 ancillary sites associated with the construction stage. Four ancillary sites have been removed in the SPIR design.

Table 8 Ancillary sites – changes to EIS

EIS Ancillary Site ID No.	SPIR Ancillary Site ID No.	Comments
AS-01	AS1	Same as EIS
AS-02	-	Not required
AS-03	AS3	Same as EIS
AS-04	AS4	Same as EIS
AS-05	-	Removed based on consultation with property owner (note: incorrectly labelled AS-06 in EIS technical paper 8 Noise and Vibration Assessment)
AS-06	AS6	Same as EIS (note: incorrectly labelled AS-05 in EIS technical paper 8 Noise and Vibration Assessment)
AS-07	-	Removed.
AS-08	AS8	Same as EIS
AS-09	AS9	Same as EIS
AS-10	AS10	Same as EIS

EIS Ancillary Site ID No.	SPIR Ancillary Site ID No.	Comments
AS-11	AS11	For CRSC, not expected to be used by the motorway contractor
AS-12	-	Deleted due to new basin in this area
AS-13	AS13	Enlarged to further utilise property now owned by Roads and Maritime

8.1.2 Central interchange, northbound exit ramp relocated

The northbound exit ramp of the central interchange has been relocated to Tongarra Road. This change would move road construction activity for the ramp construction approximately 40m closer to residences in NCA5. However this shift would not generate a noticeable change in construction noise impact to receivers in these NCAs as the mainline construction dominates the predicted noise levels in this location.

The removal of the Northbound Exit Ramp from the location proposed in the EIS would result in a marginal reduction in noise impacts to the northernmost receivers in NCA9 and to receivers in NCA10. The reported predicted impacts to receivers in these locations have not changed as these are based on the closest construction activities to the receivers, which remain unchanged from the EIS.

8.1.3 Construction of twin bridges on Motorway over the cattle crossing

Twin bridges would be constructed on the motorway over the cattle crossing, north of Albion Park at Wollongong. Construction of the proposed additional bridge (BR14) would generate some additional earthworks. The additional earthworks are in the same area as other activities assessed in the EIS and therefore would not change the assessment in the EIS.

8.1.4 Construction working hours have been modified

The project proposes to extend the work hours for construction either side of the ICNG standard construction hours period. There would be three extended hours periods:

- 6am to 7am Monday to Friday;
- 6pm to 7pm Monday to Friday;
- 1pm to 5pm Saturday.

The activities, plant and equipment nominated in the EIS for use during standard hours would be used in the evening extended hour, until 7pm, and on Saturday afternoon until 5pm. The use of 'standard hours' works into the extended hours periods has been assessed in the following sections.

Activities during the morning extended hours period (Monday to Friday 6am to 7am) would be low noise activities, as assessed in the EIS. As such, there is no further assessment of the 6am to 7am period in this report.

Further review of extended construction hours is presented in Section 8.2.

8.2 Extended construction work hours

The standard hours for construction are based on the Interim Construction Noise Guidelines (ICNG)(DECC, 2009). As part of the EIS, Roads and Maritime proposed an extension of construction working hours. The extended work hours would reduce disruption to motorists and shorten construction time, compared to adopting ICNG standard hours only for construction of the project. The proposed extended work hours would be Monday to Friday, between 6am and 7pm and Saturdays, between 8am and 5pm, with no work on Sundays and public holidays.

During the exhibition of the EIS, additional assessment was carried out to identify residences that were likely to be noise affected during the extended hours work period. The potentially affected properties were determined by noise modelling and identification on drawings showing each Noise Catchment Area. The drawings are presented in APPENDIX H.

Roads and Maritime surveyed about 1,000 residences who were identified as potentially affected by increased noise levels as a result of the extended work hours, based on the figures presented in APPENDIX H. A survey was dropped off at each residence in the identified area and collected later. The survey included a brief description of the extended construction hours on the front and one question (would you support extended construction hours) on the back. There was also room for written comments on the back.

About 44 per cent of these surveys were returned. Eighty-four percent were in support of the extended construction hours, 15 per cent were opposed and one per cent did not indicate their preference. Several comments were made on the surveys indicating support for the extended work hours and a need to 'hurry up and build the project.' Those opposed to the extended hours indicated increased noise and impact on local traffic as their reason for opposing the extension.

Consequently, extended work hours have been included as part of the assessable hours for the project. The construction hours for the project are defined in Table 9.

Table 9 Construction hours

Construction Hours	Monday to Friday	Saturday	Sunday/ Public holiday
Standard Hours	7:00 am to 6:00 pm	8:00 am to 1:00 pm	No work
Extended Hours	6:00 am to 7:00 am 6:00 pm to 7:00 pm	1:00 pm to 5:00 pm	No work

8.3 Noise and vibration sensitive receivers

8.3.1 Residential receivers

The project has been divided into Noise Catchment Areas (NCAs) based on each area's similar acoustic environment. There is no substantial change to the location of the NCAs relative to EIS design.

8.3.2 Other sensitive receivers

Additional to residential receivers, indicative 'other' noise sensitive receivers such as educational institutions have not changed from the EIS design.

Figure 9 Noise catchment areas and ancillary site locations (north)

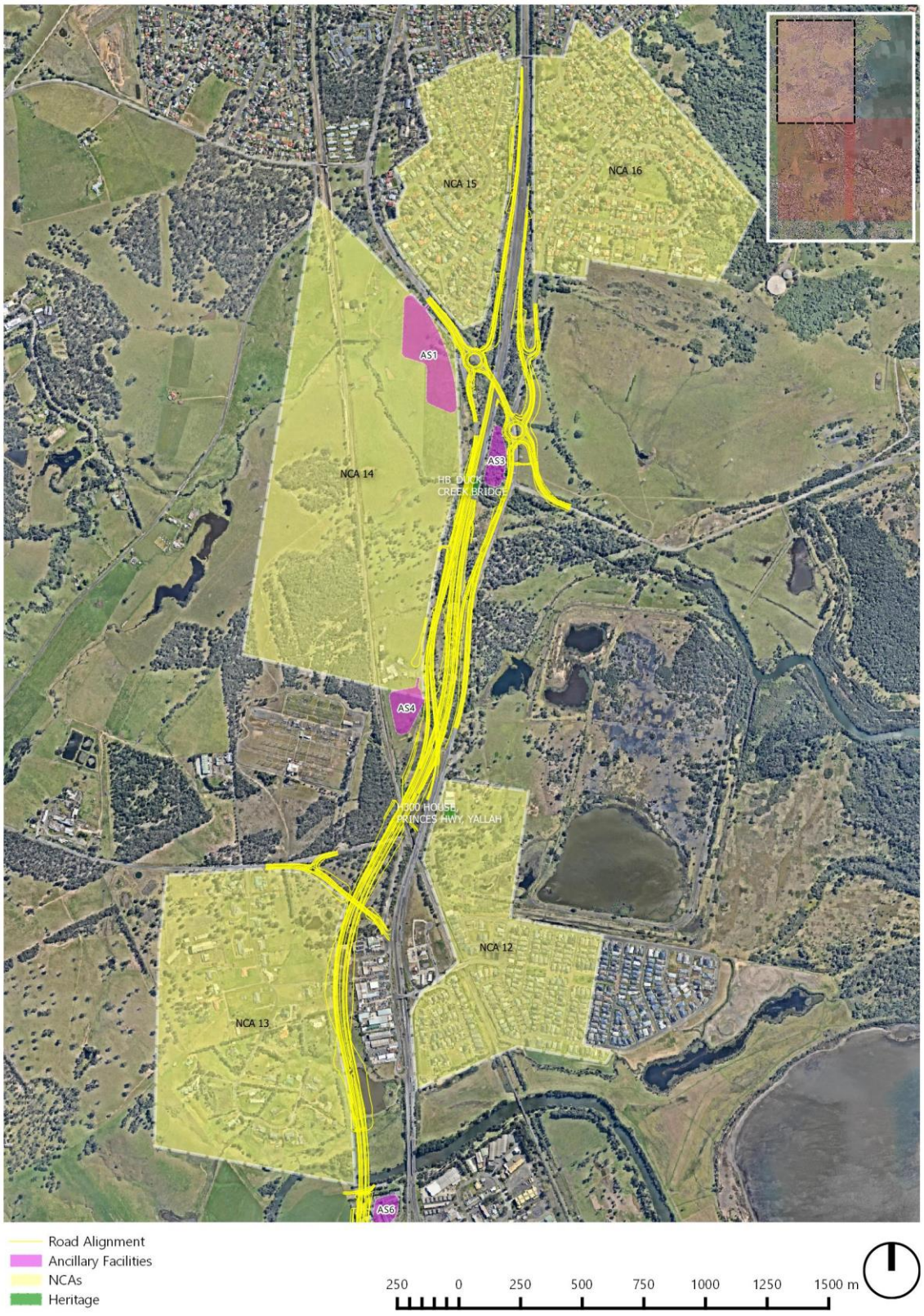


Figure 10 Noise catchment areas and ancillary site locations (south)

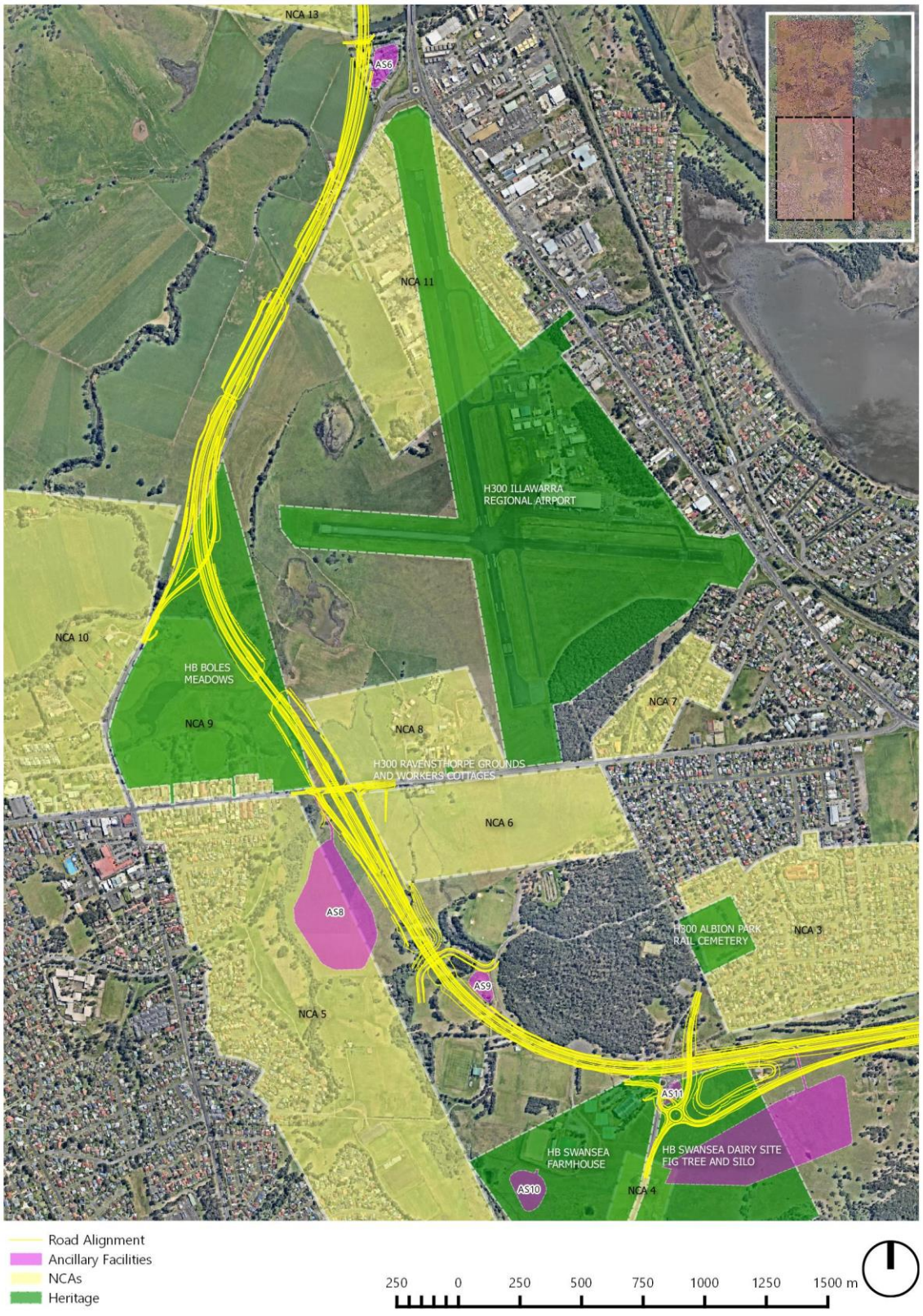


Figure 11 Noise catchment areas and ancillary site locations (south-east)

9 Construction noise and vibration objectives

9.1 Airborne construction noise management levels

Construction noise objectives have been determined in accordance with the NSW *Interim Construction Noise Guideline* (DECC, 2009). The construction noise management levels (NMLs) established for residential and other noise sensitive receivers were presented in the EIS and remain unchanged in this review.

9.2 Construction vibration objectives

Construction vibration objectives were presented in the EIS and remain unchanged in this review.

9.3 Blast noise and vibration management levels

The EIS adopted guidelines from Australian Standard AS 2187.2-2006 ' Explosives - Storage and use - Part 2 Use of explosives' to manage blast noise and vibration in relation to vibration and from the 'Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration' (ANZECC, 1990) in relation to airblast.

To be consistent with recent major infrastructure project approvals, the airblast limits have been revised and are based on AS2187.2-2006, as outlined in Table 10 below. The management levels have not changed in relation to ground vibration.

Table 10 Ground vibration and airblast limits for human comfort (TABLE J4.5(A) and J5.4(A) AS 2670.2)

Category	Peak component particle velocity (mm/s)	Peak sound pressure level, dB(lin)
Sensitive site*	10 mm/s maximum	120 dBL for 95% blasts. 125 dBL maximum
Occupied non-sensitive sites**	25 mm/s maximum#	125 dBL maximum#

Notes: *A sensitive site includes houses, low rise residential buildings, theatres, schools, and other similar buildings occupied by people.

** An occupied, non-sensitive site includes factories and commercial premises

For sites containing equipment sensitive to vibration, the vibration should be kept below manufacturer's specifications or levels that can be shown to adversely affect the equipment operation

The above guidelines apply unless agreement is reached with an occupier that a higher limit may apply.

9.4 Construction related road traffic noise objectives

Construction traffic noise objectives are presented in the EIS and remain unchanged in this review.

10 Construction noise assessment

10.1 Construction noise assessment methodology

An assessment on the potential level of construction noise impact was carried out as part of the EIS to determine whether mitigation would be required, and to determine appropriate management controls.

At this stage of the Project, specific items of plant and equipment are not known in detail. Assumptions regarding road construction activities, equipment and sound power levels were presented in the EIS and remain unchanged in this review.

10.2 Predicted noise levels during standard construction hours and morning extended construction hours

The EIS presented predicted noise levels from construction activities and assessed them with the NMLs for standard construction hours, as defined in the ICNG (DECC, 2009), and extended construction hours between 6am and 7am on weekdays as described in Section 8.1.4 and 8.2. The outcomes from the EIS assessment are unchanged.

10.3 Predicted noise levels during evening and Saturday extended construction hours

This addendum report reviews noise from construction activities during the extended hours periods, from 6pm to 7pm Monday to Friday and on Saturday from 1pm to 5pm. Table 11 presents the predicted noise levels from the extended construction hours activities and compares them with the NMLs for Monday to Friday 6pm to 7pm extended hours period. Table 12 presents the predicted noise levels from the extended construction hours activities and compares them with the NMLs for Saturday 1pm to 5pm extended hours period.

Receivers in most catchments may be noise affected during the extended hours period, with the exception of NCAs 6 and 7. Receivers in NCAs 3, 5, 11, 13 and 15 may be exposed to moderately intrusive noise levels during construction, in particular during corridor clearing and bulk earthworks. Receivers in NCAs 4 and 10 may be highly noise affected during the construction works. These higher noise impacts are likely to be caused by corridor clearing and bulk earthworks.

Predicted noise levels indicate that ancillary sites can be operated during the extended hours period with minimal impact on the nearest noise sensitive receivers.

Predicted noise impact to other sensitive receivers during the extended hours remains unchanged, as these facilities have fixed NMLs. It is noted that some of these receivers would not be in use during the extended hours period, for example the Albion Public School and the childcare centres.

A survey of residences affected by noise from extended hours found that a majority of residents support the extended construction hours (see Section 8.2 for further discussion). Construction mitigation and

management measures are provided in Section 14 to assist in reducing construction noise impacts to receivers during extended construction hours.

10.4 Predicted noise levels during out of hours work

The EIS presented predicted noise levels from construction activities and assessed them with the NMLs for out of hours work (OOHW). The outcomes from the EIS assessment are unchanged.

The potential for sleep disturbance impact has not changed from the EIS.

Table 11 Predicted construction noise levels from extended evening hour construction activities at each Noise Catchment Area (NCA)

NCA/ ID	Receiver Type	Approx. distance to nearest road works	NML, dB(A)	Predicted Construction Noise Levels, dB(A)																					
				Stage 1																					
														Stage 2											
																		Stage 3							
				M&SE		RPES		CCBV		CCHD		CCRC		BEWX		FDRS		RSWX		FIWX		CMPD		BRDC	
			Weekday 6pm-7pm	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up
APRb-01	Residential	130-470 m	52	37	44	47	**54**	**53**	60	**53**	60	46	**53**	**54**	61	43	50	49	**56**	40	47	<30	<30	44	50
APRb-02	Residential	150 m	50	42		**52**		58		58		**51**		59		48		**54**		45		31		37	
APRb-03	Residential	70-600 m	50	34	**55**	44	65	50	71	50	71	43	64	**51**	72	40	61	46	67	37	58	25	**51**	40	58
APRb-04	Residential	10-20 m	49	65		75		81		81		74		82		71		77		68		46		**51**	
APRb-05	Residential	130-875 m	40	30	46	40	56	46	62	46	62	39	55	47	63	36	52	**42**	58	33	49	37	48	**41**	57
APRb-06	Residential	200 m	57	31	39	41	49	47	55	47	55	40	48	48	56	37	45	43	51	34	42	39	44	43	50
APRb-07	Residential	750-1100 m	57	<30	<30	34	39	40	45	40	45	33	38	41	46	30	35	36	41	27	32	30	35	37	41
APRb-08	Residential	210-400 m	57	37	42	47	52	53	**58**	53	**58**	46	51	54	**59**	43	48	49	54	40	45	39	42	49	54
APRb-09	Residential	10-250 m	57	42	49	52	**59**	**58**	65	**58**	65	51	**58**	**59**	66	48	55	54	**61**	45	52	37	46	42	57
APRb-10	Residential	40-900 m	52	34	67	44	77	50	83	50	83	43	76	51	84	40	73	46	79	37	70	31	46	36	47
APRb-11	Residential	50-850 m	53	31	**56**	41	66	47	72	47	72	40	65	48	73	37	62	43	68	34	59	34	51	38	52
APRb-12	Residential	170-650 m	53	31	42	41	52	47	**58**	47	**58**	40	51	48	59	37	48	43	**54**	34	45	33	42	45	**54**
APRb-13	Residential	40-500 m	53	35	61	45	71	51	77	51	77	44	70	52	78	41	67	47	73	38	64	34	46	45	63
APRb-14	Residential	50-400 m	58	51		**61**		67		67		**60**		68		57		**63**		54		56		55	
APRb-15	Residential	20-410 m	58	<30	**59**	30	69	36	75	36	75	29	68	37	76	26	65	32	71	23	**62**	30	56	30	37
APRb-16	Residential	30-750 m	58	32	54	42	64	48	70	48	70	41	**63**	49	71	38	**60**	44	66	35	57	31	50	31	34

Notes: Bold text (black) indicates exceedance of the NML and receivers are considered 'noise affected'.
Bold text (yellow) indicates construction noise levels are more than 10 dB(A) above the background noise level and may be 'clearly audible'.
Bold text (orange) indicates construction noise levels are more than 20 dB(A) above the background noise level and may be 'moderately intrusive'.
Bold text (**blue**) indicates construction noise levels are more than 30 dB above the background noise level and may be 'highly intrusive'.

Table 12 Predicted construction noise levels from extended Saturday afternoon construction activities at each Noise Catchment Area (NCA)

NCA/ ID	Receiver Type	Approx. distance to nearest road works	NML, dB(A)	Predicted Construction Noise Levels, dB(A)																					
				Stage 1																					
																		Stage 2							
																				Stage 3					
				M&SE		RPES		CCBV		CCHD		CCRC		BEWX		FDRS		RSWX		FIWX		CMPD		BRDC	
			Saturday 1pm-5pm	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up	Low	Up
APRb-01	Residential	130-470 m	53	37	44	47	**54**	53	60	53	60	46	53	**54**	61	43	50	49	**56**	40	47	<30	<30	44	50
APRb-02	Residential	150 m	50	42		**52**		58		58		**51**		59		48		**54**		45		31		37	
APRb-03	Residential	70-600 m	50	34	**55**	44	65	50	71	50	71	43	64	**51**	72	40	61	46	67	37	58	25	**51**	40	58
APRb-04	Residential	10-20 m	49	65		75		81		81		74		82		71		77		68		46		**51**	
APRb-05	Residential	130-875 m	40	30	46	40	56	46	62	46	62	39	55	47	63	36	52	**42**	58	33	49	37	48	**41**	57
APRb-06	Residential	200 m	57	31	39	41	49	47	55	47	55	40	48	48	56	37	45	43	51	34	42	39	44	43	50
APRb-07	Residential	750-1100 m	57	<30	<30	34	39	40	45	40	45	33	38	41	46	30	35	36	41	27	32	30	35	37	41
APRb-08	Residential	210-400 m	57	37	42	47	52	53	**58**	53	**58**	46	51	54	**59**	43	48	49	54	40	45	39	42	49	54
APRb-09	Residential	10-250 m	57	42	49	52	**59**	**58**	65	**58**	65	51	**58**	**59**	66	48	55	54	**61**	45	52	37	46	42	57
APRb-10	Residential	40-900 m	52	34	67	44	77	50	83	50	83	43	76	51	84	40	73	46	79	37	70	31	46	36	47
APRb-11	Residential	50-850 m	53	31	**56**	41	66	47	72	47	72	40	65	48	73	37	62	43	68	34	59	34	51	38	52
APRb-12	Residential	170-650 m	53	31	42	41	52	47	**58**	47	**58**	40	51	48	59	37	48	43	**54**	34	45	33	42	45	**54**
APRb-13	Residential	40-500 m	53	35	61	45	71	51	77	51	77	44	70	52	78	41	67	47	73	38	64	34	46	45	63
APRb-14	Residential	50-400 m	59	51		**61**		67		67		**60**		68		57		**63**		54		56		55	
APRb-15	Residential	20-410 m	59	<30	59	30	69	36	75	36	75	29	68	37	76	26	65	32	71	23	**62**	30	56	30	37
APRb-16	Residential	30-750 m	59	32	54	42	**64**	48	70	48	70	41	**63**	49	71	38	**60**	44	66	35	57	31	50	31	34

Notes: Bold text (black) indicates exceedance of the NML and receivers are considered 'noise affected'.

Bold text (yellow) indicates construction noise levels are more than 10 dB(A) above the background noise level and may be 'clearly audible'.

Bold text (orange) indicates construction noise levels are more than 20 dB(A) above the background noise level and may be 'moderately intrusive'.

Bold text (**blue**) indicates construction noise levels are more than 30 dB above the background noise level and may be 'highly intrusive'.

11 Construction vibration

The vibration generated from construction works would vary depending on the level and type of activity carried out at each site during each activity. The EIS estimated vibration generated by construction plant and identified potential vibration impacts. The outcomes from the EIS assessment are unchanged.

12 Blasting

12.1 Potential blasting requirements

Blasting may be required to excavate some of the deep cuts along the Project corridor, namely the:

- Main cut (cut 1) north of Macquarie Rivulet, between Chainage 17950 and 18150
- Lower benches of the cut at the eastern extent of East-West Link.

A feasibility study on the requirement for blasting has been completed and blasting is likely to be used in these areas.

Based on the assumptions presented in the EIS, an indication of acceptable blast sizes to satisfy the overpressure and vibration limits set in Section 9.2 have been determined. It is noted that the above assumptions are considered conservative. The nominated Maximum Instantaneous Charge (MIC) may vary substantially depending on the geological conditions, local shielding and meteorological factors at the site.

Table 13 Summary of typical MIC and compliant separation distance

Blast Impact	Receiver	Blast Management Level	Charge separation distance (m) / MIC					
			1 kg	2 kg	5 kg	10 kg	20 kg	50 kg
Overpressure	Residential	120 dB(A)	111	135	174	212	257	333
	Commercial	125 dB(A)	65	80	105	128	156	202
Ground vibration	Residential	10 mm/s	20	28	44	64	87	137
	Commercial	25 mm/s	11	16	25	35	49	77

Further analysis and assessment of potential blast impact would be carried out during the detailed design phase, including the preparation of a blast management plan. Detailed blast design may alter the above guideline distances.

Measures to mitigate and manage impacts from blasting are provided in Section 14 and more specifically Section 14.3.

13 Construction related road traffic

The noise impact from construction related road traffic was predicted and assessed in the EIS. The outcomes from the EIS assessment are unchanged.

14 Construction mitigation and management measures

14.1 Highly noise affected receivers

Additional mitigation measures in relation to highly noise affected receivers are outlined in the EIS and in Section 14.5 below.

14.2 Recommended minimum buffer distances for sensitive receivers

The recommended minimum working distances for high vibration generating plant remain unchanged from those presented in the EIS. As noted in the EIS, these distances should be applied conservatively. If they are proposed to be exceeded then vibration emissions from the specific plant item should be measured to confirm a site specific minimum working distances.

14.3 Blast mitigation and management

As noted in the EIS, should blasting be undertaken to construct the Albion Park Rail bypass, the CNVMP prepared during the detailed design stage would incorporate a Blast Management Strategy. The Strategy, which would be prepared in consultation with the EPA, would aim to demonstrate that all blasting and associated activities be undertaken in a manner that would not generate unacceptable noise and vibration impacts or pose a substantial risk impact to residences and sensitive receivers.

14.4 Other noise control measures

The recommended standard noise and vibration mitigation measures remain unchanged from those presented in the EIS.

14.5 Additional mitigation measures

The EIS presented appropriate additional mitigation measures based on the Transport for NSW Construction Noise Strategy (2012). Since the submission of the EIS, Roads and Maritime has released the 'Construction Noise and Vibration Guideline' (Roads and Maritime Services, April 2016). The additional mitigation measures in this report therefore reflect those outlined in the Roads and Maritime guideline.

The Construction Noise and Vibration Guideline (CNVG) presents a range of different additional mitigation measures, to be applied when, after standard mitigation measures have been applied, noise and/ or vibration from construction still exceeds the management levels outlined in Section 9. These measures are described in Table 14, taken from Appendix C of the Construction Noise and Vibration Guideline.

Table 15 and Table 16 show the noise levels at which the measures are applied.

Table 14 Description of Roads and Maritime additional mitigation measures (Appendix C, CNVG)

Additional mitigation measure	Description of mitigation measure
Notification (N) letterbox drop or equivalent	Advanced warning of works and potential disruptions can assist in reducing the impact on the community. The notification may consist of a letterbox drop (or equivalent) detailing work activities, time periods over which these would occur, impacts and mitigation measures. Notification should be a minimum of 5 working days prior to the start of works.
Specific notifications (SN)	Specific notifications are letterbox dropped (or equivalent) to identified stakeholders no later than seven calendar days ahead of construction activities that are likely to exceed the noise objectives. The specific notification provides additional information when relevant and informative to more highly affected receivers than covered in general letterbox drops. The exact conditions under which specific notifications would proceed are defined in the relevant Additional Mitigation Measures (Table 15 and Table 16). This form of communication is used to support periodic notifications, or to advertise unscheduled works.
Phone calls (PC)	Phone calls detailing relevant information made to identified/affected stakeholders within seven calendar days of proposed work. Phone calls provide affected stakeholders with personalised contact and tailored advice, with the opportunity to provide comments on the proposed work and specific needs. Where the resident cannot be telephoned then an alternative form of engagement should be used.
Individual briefings (IB)	Individual briefings are used to inform stakeholders about the impacts of high noise activities and mitigation measures that would be implemented. Project representatives would visit identified stakeholders at least 48 hours ahead of potentially disturbing construction activities. Individual briefings provide affected stakeholders with personalised contact and tailored advice, with the opportunity to comment on the project. Where the resident cannot be met with individually then an alternative form of engagement should be used.
Respite Offers (RO)	Respite Offers should be considered made where there are high noise and vibration generating activities near receivers. As a guide work should be carried out in continuous blocks that do not exceed 3 hours each, with a minimum respite period of one hour between each block. The actual duration of each block of work and respite should be flexible to accommodate the usage of and amenity at nearby receivers. The purpose of such an offer is to provide residents with respite from an ongoing impact. This measure is evaluated on a project-by-project basis, and may not be applicable to all projects.
Respite Period 1 (R1)	Out of hours construction noise in out of hours period 1 shall be limited to no more than three consecutive evenings per week except where there is a Duration Respite. For night work these periods of work should be separated by not less than one week and no more than 6 evenings per month.
Respite Period 2 (R2)	Night time construction noise in out of hours period 2 shall be limited to two consecutive nights except for where there is a Duration Respite. For night work these periods of work should be separated by not less than one week and 6 nights per month. Where possible, high noise generating works shall be completed before 11pm.
Duration Respite (DR)	Respite offers and respite periods 1 and 2 may be counterproductive in reducing the impact on the community for longer duration projects. In this instance and where it can be strongly justified it may be beneficial to increase the work duration, number of evenings or nights worked through Duration Respite so that the project can be completed more quickly. The project team should engage with the community where noise levels are expected to exceed the NML to demonstrate support for Duration Respite. Where there are few receivers above the NML each of these receivers should be visited to discuss the project to gain support for Duration Respite.
Alternative Accommodation (AA)	Alternative accommodation options may be offered to residents living near construction works that are likely to experience highly intrusive noise levels (Table 15 and Table 16). The specifics of the offer would be identified on a project-by-project basis. Additional aspects for consideration shall include whether the highly intrusive activities occur throughout the night or before midnight.
Verification (V)	Verification of Noise and Vibration levels as part of routine checks of noise levels or following reasonable complaints. This verification should include measurement of the background noise level and construction noise. Note this is not required for projects less than three weeks unless to assist in managing complaints.

14.5.1 Additional airborne noise mitigation measures

Table 15 is reproduced from Table C.1 of the CNVG and shows which additional mitigation measures are typically applied for different noise level ranges.

Table 15 Additional airborne noise mitigation measures (Table C.1, CNVG)

Predicted airborne LAeq(15min) noise level at receiver			Additional mitigation measures	
Perception	**dB(A) above RBL**	**dB(A) above NML**	**type[1]:**	**apply to[2]:**
All hours				
75dBA or greater	-	-	N, V, PC, RO	HA
Standard Hours				
Noticeable	5 to 10	0	-	NML
Clearly Audible	10 to 20	< 10	-	NML
Moderately intrusive	20 to 30	10 to 20	N, V	NML+10
Highly intrusive	> 30	> 20	N, V	NML+20
OOHW Period 1				
Noticeable	5 to 10	< 5	-	NML
Clearly Audible	10 to 20	5 to 15	N, R1, DR	NML+5
Moderately intrusive	20 to 30	15 to 25	V, N, R1, DR	NML+15
Highly intrusive	> 30	> 25	V, IB, N, R1, DR, PC, SN	NML+25
OOHW Period 2				
Noticeable	5 to 10	< 5	N	NML
Clearly Audible	10 to 20	5 to 15	V, N, R2, DR	NML+5
Moderately intrusive	20 to 30	15 to 25	V, IB, N, PC, SN R2, DR	NML+15
Highly intrusive	> 30	> 25	AA, V, IB, N, PC, SN R2, DR	NML+25

Notes: 1. AA = Alternative accommodation; N = Notification; R1 = Respite period 1
V = Verification of predicted noise levels; PC = Phone calls; R2 = Respite period 2
IB = Individual briefings; SN = Specific notifications; DR = Duration respite
2. NML = Noise Management Level; HA = Highly Affected (>75 dB(A) – applies to residences only)

14.5.2 Additional vibration mitigation measures

Table 16 is reproduced from Table C.3 of the CNVG and shows which additional mitigation measures are typically applied for vibration impacts during different time periods.

Table 16 Additional ground-borne vibration mitigation measures (Table C.3, CNVG)

Predicted ground-borne vibration at receiver	Additional mitigation measures	
Perception	**type[1]:**	**apply to[2]:**
Standard Hours		
Predicted Vibration Exceeds Maximum Levels	N, V, RO	All
OOHW Period 1		
Predicted Vibration Exceeds Maximum Levels	V, IB, N, RO, PC, RP, SN	All
OOHW Period 2		
Predicted Vibration Exceeds Maximum Levels	AA, V, IB, N, PC, RO, SN	All

Notes: 1. AA = Alternative accommodation
V = Verification of predicted noise levels
IB = Individual briefings
N = Notification
PC = Phone calls
SN = Specific notifications
RO= Project specific respite offer

2. All affected receivers

15 Conclusion

15.1 Operational traffic noise impact

A revised assessment of operational road traffic noise was conducted to determine any change in impacts due to the design refinements and revised traffic data.

There are now more properties (in total) that exceed the NCG criteria and qualify for noise mitigation compared to the EIS. The increase is generally due to the revised traffic data and road design changes.

In some localised areas there are reduced impacts. For example, there are a reduced number of properties qualifying for treatment in NCA 10 due to the design changes and reduced extent of work near Tongarra Road.

Provision of low noise pavement on the bypass main carriageways and provision of noise barriers where feasible and reasonable, remain as the key noise mitigation measures. The extent of low noise pavement has increased north of Tongarra Road to offset the increased noise impacts.

Increased noise barrier heights and replacement of existing barriers at Dapto have also been considered, due to the revised traffic data and refinement of the barrier analysis process in accordance with the Roads and Maritime's Noise Mitigation Guideline.

Where pavement surfaces and barriers have not provided sufficient attenuation to allow compliance with the adopted NCG criteria, properties have been recommended for consideration of property treatment.

The need for operational phase noise mitigation measures, including low noise pavement, noise barriers or property treatments, would be confirmed during detailed design, as identified in NV04 in Table 17 below.

15.2 Croom Regional Sports Complex

There are no substantial changes to the proposed CRSC reconfiguration based on the revised design of the project, therefore the information contained in the EIS study relating to sports noise emission remains valid.

Traffic noise levels for the project build scenario are generally within 1dB(A) of the levels reported in the EIS. Therefore, the revised design has no additional impact on the sporting fields, and impacts remain broadly the same as those reported in the EIS.

15.3 Construction noise and vibration impact

An assessment of construction noise impact from the proposed Albion Park Rail bypass project has been undertaken. Noise emission from the construction of the project has been predicted and assessed against the relevant noise criteria set by the Interim Construction Noise Guideline (DECC, 2009) during

the recommended standard hours for construction and the extended work hours for construction of this public infrastructure project. There is no significant change in construction noise impact during standard construction hours from that presented in the EIS.

The extension of standard construction hours activities into the proposed extended construction hours (i.e. from 6pm to 7pm Monday to Friday and 1pm to 5pm Saturday) was a change in this assessment, compared with the EIS. This was following the results of a community survey that found the majority of respondents preferred extended construction hours to allow the Project to be completed more quickly. Sensitive receivers would be noise affected during the extended hours period. Construction mitigation and management measures are provided in Section 14 to assist in reducing construction noise impacts.

There is no change to vibration impact to that reported in the EIS.

Minor changes to blast impact have been identified following review of the airblast management limits to be consistent with AS2187 and other recent major infrastructure projects in NSW.

The noise impact of construction traffic on the existing road network remains unchanged from the EIS.

A range of mitigation measures are available to manage and/or minimise noise, vibration and blasting impacts where they occur. These mitigation measures are summarised in Table 17 below.

15.4 Mitigation measure summary

The final mitigation measures for approval are summarised in Table 17.

Table 17 Mitigation measure summary

Issue	ID No.	Environmental management measure	Responsibility	Timing
Construction noise and vibration	NV01	A Construction Noise and Vibration Management Plan will be prepared for the project. The Plan will provide details of noise and vibration management measures and procedures to be carried out during construction to minimise and manage noise impacts on sensitive receivers, including: • Noise and vibration monitoring and reporting requirements • A map showing the location of all sensitive receivers • Specific mitigation treatments, management methods and procedures to be implemented to control noise and vibration during construction • Construction timetabling to minimise noise impacts including time and duration restrictions, respite periods and frequency • Procedures for notifying residents, business owners, and other sensitive receivers of construction activities likely to affect their amenity through noise and vibration • Contingency procedures to be implemented in the event of non-compliances and / or noise complaints. The type of noise mitigation measures that may be adopted in the Plan include: • Carrying out only low noise activities during the weekday morning (6am to 7am) period • Selection of less noisy plant and equipment, where feasible • Avoiding simultaneous operation of noisy plant, where feasible • Avoiding queueing and idling of construction vehicles outside of the project standard construction hours • Maintaining plant and equipment so as to ensure optimum operating conditions • Planning construction traffic flow to minimise reversing and noise from reversing alarms). The type of vibration mitigation measures that may be adopted in the Plan include: • Undertaking building dilapidation surveys for buildings that could be impacted by vibration • Consideration of feasible alternative construction methodologies or equipment where vibration intensive equipment is expected to exceed the criteria.	Contractor	Construction
Construction hours	NV02	Work will be carried out generally in accordance with the Interim Construction Noise Guideline (Department of Environment and Climate Change, 2009). Prior to out of work being carried out, all affected receivers will be notified of relevant details of the proposed activities.	Contractor	Construction

Issue	ID No.	Environmental management measure	Responsibility	Timing
Blasting	NV03	If blasting is required, the Construction Noise and Vibration Management Plan will incorporate a Blast Management Strategy. The Strategy will be prepared in consultation with the Environment Protection Agency, which will aim to demonstrate that all blasting and associated activities will be undertaken in a manner that will not generate unacceptable noise and vibration impacts or pose a substantial risk impact to residences and sensitive receivers. The Blast Management Strategy will address: • Details of blasting to be performed, including location, method and justification of the need to blast • Identification of any potentially affected noise and vibration sensitive sites including heritage buildings and utilities • Establishment of appropriate criteria for blast overpressure and ground vibration levels at each category of noise sensitive site • Details of the storage and handling arrangements for explosive materials and the proposed transport of those materials to the construction site • Identification of hazardous situations that may arise from the storage and handling of explosives, the blasting process and recovery of the blast site after detonation of the explosives • Determination of potential noise and vibration and risk impacts from blasting and appropriate best management practices • Community consultation procedures.	Contractor	Construction
Operational noise impacts	NV04	The need for operational phase noise management measures, including low noise pavement, noise barriers or architectural treatments, will be confirmed during detailed design. The chosen noise barrier design will be selected following investigations into engineering feasibility of the proposed mitigation measures and community consultation with residents from properties identified as exceeding, without mitigation, the Noise Criteria Guideline (Roads and Maritime, 2015) in the adjoining noise catchment area. The mitigation measures will be provided as early as practicable in the construction program to reduce potential noise impacts associated with construction.	Roads and Maritime / Contractor	Detailed design
	NV05	Within 12 months of project opening an operational noise review will be carried out. This will include: • Monitoring to compare actual noise performance against predicted noise performance • An assessment of the performance and effectiveness of the applied mitigation measures together with a review and, if necessary, reassessment of all feasible and reasonable mitigation measures • Identification of any additional feasible and reasonable measures that will be implemented with the objective of meeting the criteria in the Noise Criteria Guideline (Roads and Maritime, 2015b), when these measures will be implemented and how their effectiveness will be measured and reported.	Roads and Maritime	Operation

References

1. NSW Department of Environment and Climate Change 2011 Road Noise Policy (RNP)
2. NSW Roads and Maritime Services April 2015 Noise Criteria Guideline (NCG)
3. NSW Roads and Maritime Services April 2015 Noise Mitigation Guideline (NMG)
4. NSW Roads & Traffic Authority 2001 Environmental Noise Management Manual (ENMM)
5. NSW Environment Protection Authority 2000 Industrial Noise Policy (INP)
6. NSW Department of Environment and Climate Change 2009 Interim Construction Noise Guideline (ICNG)
7. NSW Department of Environment and Conservation Assessing Vibration – A Technical Guideline (AVATG)
8. NSW Transport for NSW 2012 Construction Noise Strategy 7TP-ST-157/2.0
9. British Standard BS 6472-2008, 'Evaluation of human exposure to vibration in buildings (1-80Hz)
10. German Standard DIN 4150-3 : 1999-02 - 'Structural vibration - Effects of vibration on structures'
11. Australian Standard 2834-1995 Computer Accommodation, Chapter 2.9 Vibration, p16
12. Gordon CG Generic Vibration Criteria for Vibration Sensitive Equipment *Proceedings of International Society for Optical Engineering (SPIE)*, Vol. 1619, San Jose, CA, November 4-6, 1991, pp. 71-85
13. Australian and New Zealand Environment Conservation Council (ANZECC) 1990 Technical Basis for Guidelines to Minimise Annoyance Due to Blasting Overpressure and Ground Vibration
14. Australian Standard AS 2187.2-2006 Explosives - Storage and use - Part 2 Use of explosives
15. HCJV 2015 Albion Park Rail bypass Environmental Impact Statement (Hyder Cardno Joint Venture)
16. Roads and Maritime Services August 2016 Construction Noise and Vibration Guideline Version 1.0
17. HCJV 2017 Albion Park Rail bypass Addendum Traffic and Transport Assessment Report 2017

APPENDIX A Glossary of terminology

The following is a brief description of the technical terms used to describe noise to assist in understanding the technical issues presented.

Adverse weather	Weather effects that enhance noise (that is, wind and temperature inversions) that occur at a site for a significant period of time (that is, wind occurring more than 30% of the time in any assessment period in any season and/or temperature inversions occurring more than 30% of the nights in winter).
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.
Assessment period	The period in a day over which assessments are made.
Assessment point	A point at which noise measurements are taken or estimated. A point at which noise measurements are taken or estimated.
Background noise	Background noise is the term used to describe the underlying level of noise present in the ambient noise, measured in the absence of the noise under investigation, when extraneous noise is removed. It is described as the average of the minimum noise levels measured on a sound level meter and is measured statistically as the A-weighted noise level exceeded for ninety percent of a sample period. This is represented as the L90 noise level (see below).
Decibel [dB]	The units that sound is measured in. The following are examples of the decibel readings of every day sounds: 0dB The faintest sound we can hear 30dB A quiet library or in a quiet location in the country 45dB Typical office space. Ambience in the city at night 60dB CBD mall at lunch time 70dB The sound of a car passing on the street 80dB Loud music played at home 90dB The sound of a truck passing on the street 100dB The sound of a rock band 115dB Limit of sound permitted in industry 120dB Deafening
dB(A)	A-weighted decibels. The A- weighting noise filter simulates the response of the human ear at relatively low levels, where the ear is not as effective in hearing low frequency sounds as it is in hearing high frequency sounds. That is, low frequency sounds of the same dB level are not heard as loud as high frequency sounds. The sound level meter replicates the human response of the ear by using an electronic filter which is called the "A" filter. A sound level measured with this filter switched on is denoted as dB(A). Practically all noise is measured using the A filter.
dB(C)	C-weighted decibels. The C-weighting noise filter simulates the response of the human ear at relatively high levels, where the human ear is nearly equally effective at hearing from mid-low frequency (63Hz) to mid-high frequency (4kHz), but is less effective outside these frequencies.
Frequency	Frequency is synonymous to pitch. Sounds have a pitch which is peculiar to the nature of the sound generator. For example, the sound of a tiny bell has a high pitch and the sound of a bass drum has a low pitch. Frequency or pitch can be measured on a scale in units of Hertz or Hz.
Impulsive noise	Having a high peak of short duration or a sequence of such peaks. A sequence of impulses in rapid succession is termed repetitive impulsive noise.
Intermittent noise	The level suddenly drops to that of the background noise several times during the period of observation. The time during which the noise remains at levels different from that of the ambient is one second or more.
L_{Max}	The maximum sound pressure level measured over a given period.
L_{Min}	The minimum sound pressure level measured over a given period.

L_1	The sound pressure level that is exceeded for 1% of the time for which the given sound is measured.
L_{10}	The sound pressure level that is exceeded for 10% of the time for which the given sound is measured.
L_{90}	The level of noise exceeded for 90% of the time. The bottom 10% of the sample is the L90 noise level expressed in units of dB(A).
L_{eq}	The "equivalent noise level" is the summation of noise events and integrated over a selected period of time.
Reflection	Sound wave changed in direction of propagation due to a solid object obscuring its path.
SEL	Sound Exposure Level (SEL) is the constant sound level which, if maintained for a period of 1 second would have the same acoustic energy as the measured noise event. SEL noise measurements are useful as they can be converted to obtain Leq sound levels over any period of time and can be used for predicting noise at various locations.
Sound	A fluctuation of air pressure which is propagated as a wave through air.
Sound absorption	The ability of a material to absorb sound energy through its conversion into thermal energy.
Sound level meter	An instrument consisting of a microphone, amplifier and indicating device, having a declared performance and designed to measure sound pressure levels.
Sound pressure level	The level of noise, usually expressed in decibels, as measured by a standard sound level meter with a microphone.
Sound power level	Ten times the logarithm to the base 10 of the ratio of the sound power of the source to the reference sound power.
Tonal noise	Containing a prominent frequency and characterised by a definite pitch.

APPENDIX B NCG criteria maps and additional assessment receivers

NCG Criteria

- 55dB(A) Day, 50dB(A) Night
- 56dB(A) Day, 51dB(A) Night
- 57dB(A) Day, 52dB(A) Night
- 58dB(A) Day, 53dB(A) Night
- 59dB(A) Day, 54dB(A) Night
- 60dB(A) Day, 55dB(A) Night
- Other sensitive receiver

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1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:
NSW GOVERNMENT Transport Roads & Maritime Services

Project:
ALBION PARK RAIL BYPASS

Description:
NCG CRITERIA
NCA 1-10

Noise levels are approximate due to interpolation of contours and should be used for reference only.
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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-03.5.T2.05.01 (r1)	Grid:	-
Date:	2017.05.16	Scale:	1: 15000 A3

NCG Criteria

- 55dB(A) Day, 50dB(A) Night
- 56dB(A) Day, 51dB(A) Night
- 57dB(A) Day, 52dB(A) Night
- 58dB(A) Day, 53dB(A) Night
- 59dB(A) Day, 54dB(A) Night
- 60dB(A) Day, 55dB(A) Night
- Other sensitive receiver

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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
NCG CRITERIA
NCA 11-13

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-03.5.T2.05.02 (r1)	Grid:	-
Date:	2017.05.16	Scale:	1: 15000 A3

NCG Criteria

- 55dB(A) Day, 50dB(A) Night
- 56dB(A) Day, 51dB(A) Night
- 57dB(A) Day, 52dB(A) Night
- 58dB(A) Day, 53dB(A) Night
- 59dB(A) Day, 54dB(A) Night
- 60dB(A) Day, 55dB(A) Night
- Other sensitive receiver

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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
NCG CRITERIA
NCA 14-16

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-03.5.T2.05.03 (r1)	Grid:	-
Date:	2017.05.16	Scale:	1: 15000 A3

Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

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Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 1-2

Noise levels are approximate due to interpolation of contours and should be used for reference only.
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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.09 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3

Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:

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Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 3-4

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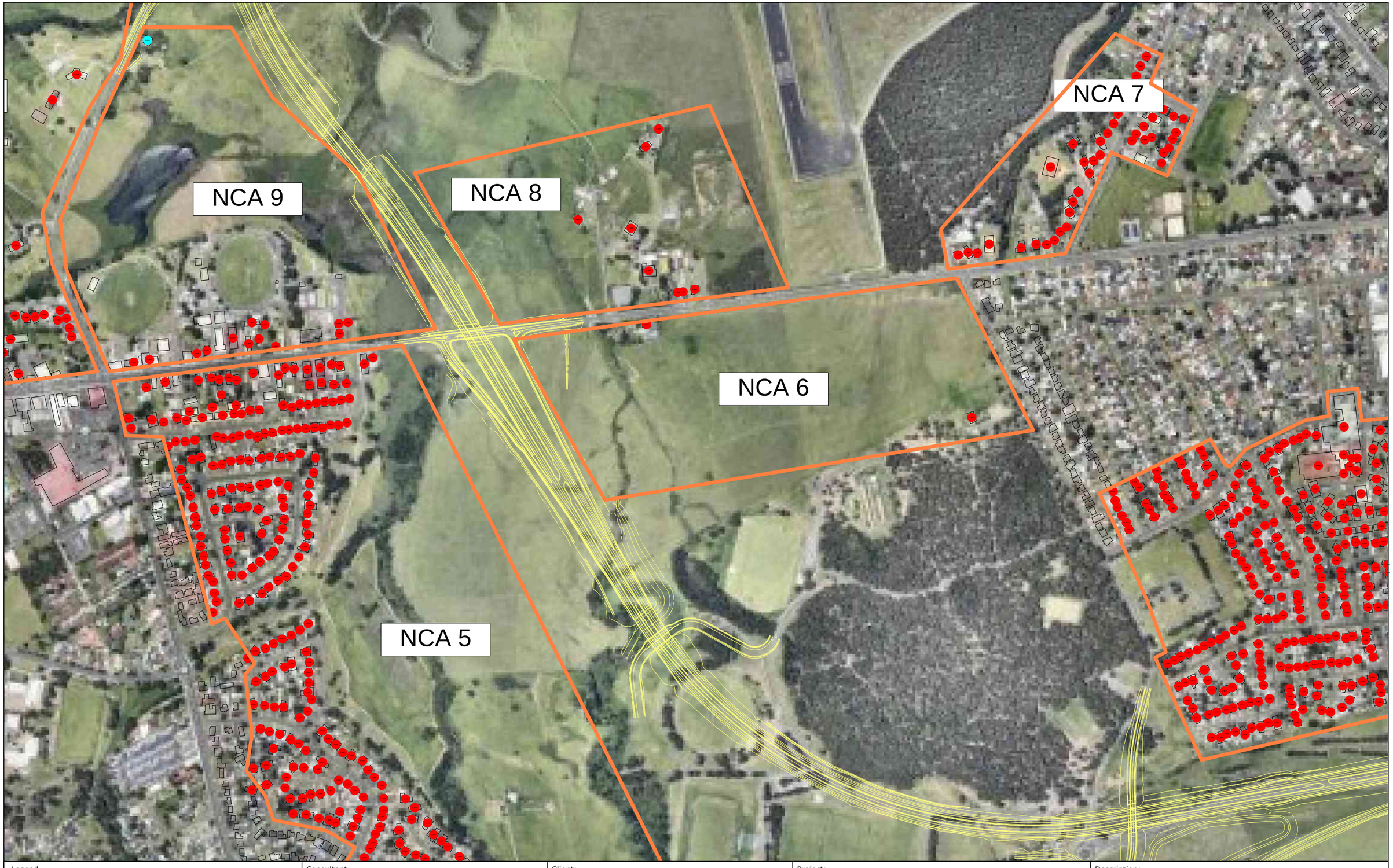
Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.10 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3



Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:
RENZO TONIN & ASSOCIATES
inspired to achieve
Acoustics, Vibration & Structural Dynamics
Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:
NSW GOVERNMENT Transport Roads & Maritime Services

Project:
ALBION PARK RAIL BYPASS

Description:
EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 5-9

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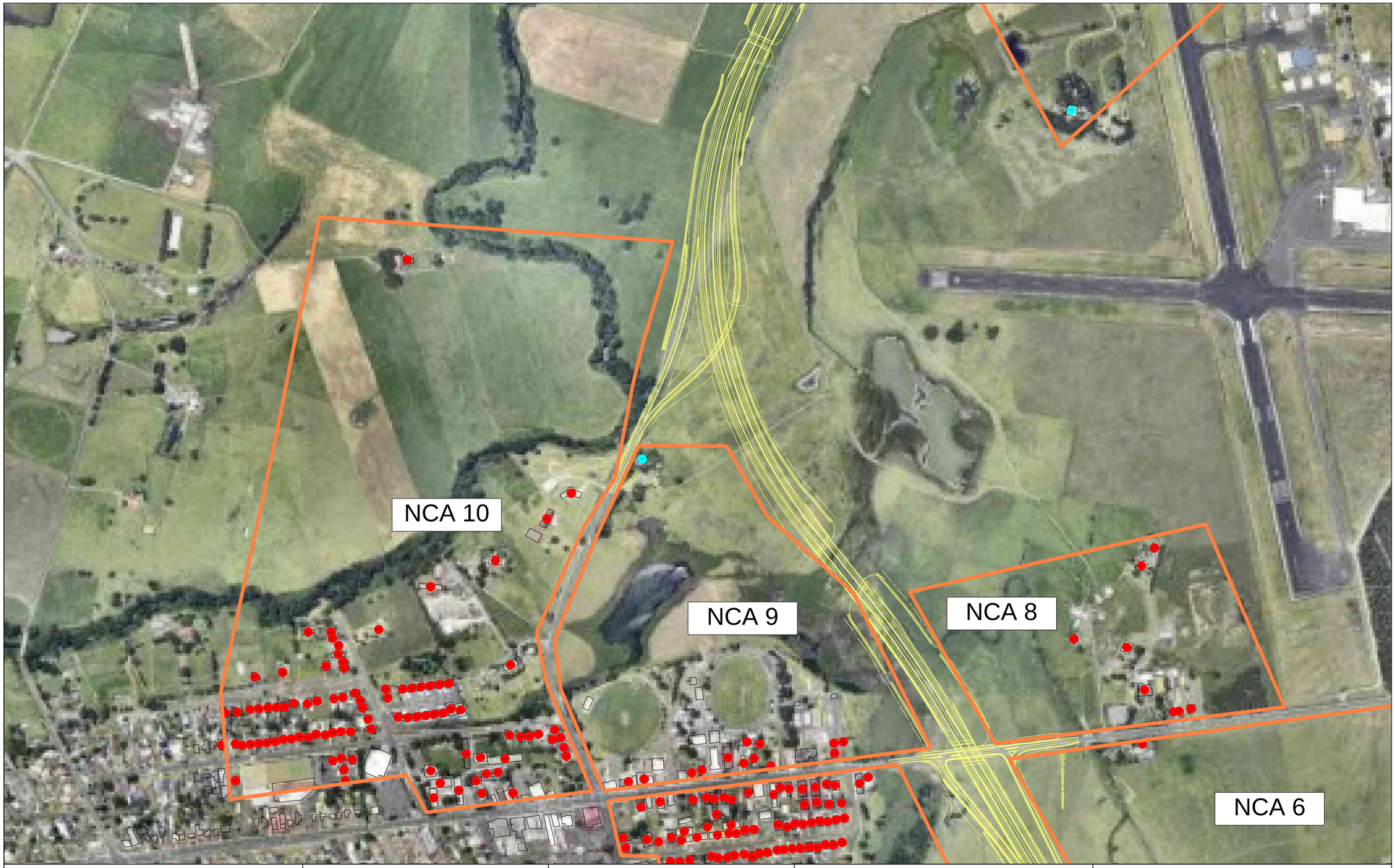
Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.11 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3



Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:
RENZO TONIN & ASSOCIATES
inspired to achieve
Acoustics, Vibration & Structural Dynamics
Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:
NSW GOVERNMENT Transport Roads & Maritime Services

Project:
ALBION PARK RAIL BYPASS

Description:
EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 10

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.12 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3

NCA 11

Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:

RENZO TONIN & ASSOCIATES
inspired to achieve
Acoustics, Vibration & Structural Dynamics
Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 11

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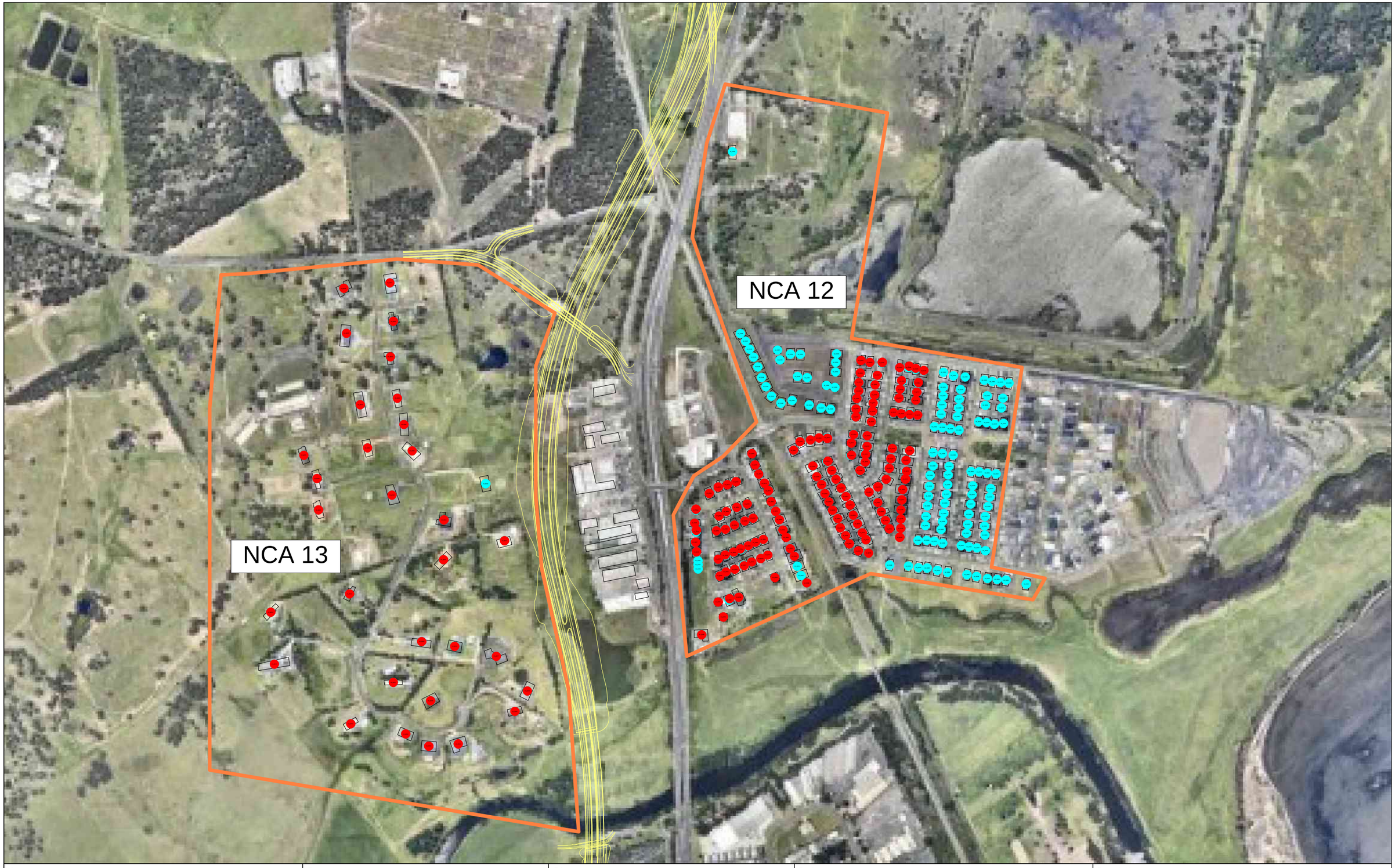
Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.13 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3



Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:

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Acoustics, Vibration & Structural Dynamics
Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 12-13

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.14 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3

Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:

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Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 14

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.15 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3

Legend

- EIS & revised assessment receiver
- Additional revised assessment receiver

Consultant:

RENZO TONIN & ASSOCIATES
inspired to achieve
Acoustics, Vibration & Structural Dynamics
Sydney Melbourne Brisbane Gold Coast Kuwait
1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

EIS & ADDITIONAL REVISED ASSESSMENT RECEIVERS
NCA 15-16

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.16 (r0)	Grid:	-
Date:	2017.08.30	Scale:	1: 6500 A3

APPENDIX C Traffic data

Opening year 'No Build'

Road Description	Direction	Day (15-hour period)	Night (9-hour period)	Day (15-hour period)	Night (9-hour period)
		Total	Total	AM_HV%	PM_HV%
Princes Highway south of Oak flats	NB	19146	2575	6.8%	8.5%
Princes Highway south of Oak flats	SB	21047	2242	6.8%	13.3%
Princes Highway eastern approach to Oak Flats	NB	14955	2000	6.2%	7.9%
Princes Highway eastern approach to Oak Flats	SB	16259	1741	7.1%	13.2%
Princes Highway north-western approach at Oak Flats	NB	15341	2213	6.2%	7.9%
Princes Highway north-western approach at Oak Flats	SB	17014	1824	7.1%	13.2%
East-West Link east of Colden	EB	6368	542	4.9%	7.4%
East-West Link east of Colden	WB	6210	400	4.6%	8.6%
New Lake Entrance Road north-eastern approach at Oak Flats	NB	23827	1479	7.6%	9.5%
New Lake Entrance Road north-eastern approach at Oak Flats	SB	21868	1809	6.7%	12.4%
Princes Highway northbound off-ramp at Oak Flats	NB	3636	485	6.7%	13.1%
Princes Highway southbound on-ramp at Oak Flats	SB	5377	577	8.4%	10.6%
Princes Highway northbound on-ramp at Oak Flats	NB	14089	2039	7.8%	9.7%
Princes Highway southbound off-ramp at Oak Flats	SB	11853	1267	9.8%	17.7%
Princes Highway north of Oak Flats	NB	27905	3987	7.1%	8.9%
Princes Highway north of Oak Flats	SB	30375	3285	8.0%	14.7%
East-West Link	EB	5223	458	4.8%	7.3%
East-West Link	WB	5394	337	4.4%	8.2%
Woollybutt Drive	NB	1433	304	4.5%	6.8%
Croome Road south of APRB	NB	5367	564	4.2%	4.8%
Woollybutt Drive	SB	1579	106	4.3%	8.1%
Croome Road south of APRB	SB	5708	365	4.0%	6.0%
Croome Road north of APRB	NB	2493	223	4.3%	5.0%
Croome Road north of APRB	SB	2213	141	4.9%	7.1%
Tongarra Road between Croome Road & Princes Highway	EB	8300	616	5.6%	9.0%
Tongarra Road between Croome Road & Princes Highway	WB	8429	588	5.9%	7.7%
Tongarra Road between Central Interchange and Croome Road	EB	9743	723	5.6%	9.0%
Tongarra Road between Central Interchange and Croome Road	WB	9904	691	5.9%	7.7%
Tongarra west of Bypass	EB	9080	677	5.6%	9.0%
Tongarra west of Bypass	WB	9298	646	5.9%	7.7%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	EB	7045	859	6.9%	11.0%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	WB	8158	762	6.3%	8.3%
Terry Street	NB	9107	1694	6.9%	6.8%
Terry Street	SB	7699	593	7.2%	9.5%
Illawarra Hwy	NB	9905	2184	9.9%	9.7%
Illawarra Hwy	SB	10607	955	9.9%	12.9%
Princes Highway between Creamery Road and Station Road	NB	22098	3719	8.5%	10.2%
Princes Highway between Creamery Road and Station Road	SB	25425	2821	9.0%	15.7%
Princes Highway between Haywards Bay and Illawarra Highway	NB	32343	5660	9.3%	10.4%
Princes Highway between Haywards Bay and Illawarra Highway	SB	35954	3884	9.7%	15.2%
Princes Highway at Haywards Bay	NB	29060	5125	9.5%	10.7%
Princes Highway at Haywards Bay	SB	32780	3517	9.9%	15.5%
Princes Highway north of Yallah Road	NB	30397	5355	9.8%	10.9%
Princes Highway north of Yallah Road	SB	34230	3676	9.9%	15.5%
Princes Highway southbound on-ramp at Haywards Bay	SB	2119	371	5.0%	8.7%
Princes Highway southbound off-ramp at Haywards Bay	SB	1346	235	9.5%	14.4%
Yallah Road at Haywards Bay	NB	1618	260	8.4%	9.4%
Yallah Road at Haywards Bay	SB	1514	178	6.1%	9.7%
Yallah Road east of Larkins Lane	EB	1129	242	11.3%	14.2%
Yallah Road east of Larkins Lane	WB	1209	103	9.6%	6.4%
Princes Motorway northbound off-ramp to Princes Highway	NB	2645	392	6.4%	6.1%
Princes Highway	SB	6364	671	5.9%	6.6%
Princes Motorway north of Yallah Bay Road	NB	25795	4597	11.6%	12.0%
Princes Motorway north of Yallah Bay Road	SB	26883	2808	10.7%	16.1%
Princes Highway north of Princes Motorway off-ramp	NB	5985	1064	6.8%	5.5%
Princes Highway north of Princes Motorway off-ramp	SB	6213	650	6.9%	8.1%

Opening year 'Build'

Road Description	Direction	Day (15-hour period)	Night (9-hour period)	Day (15-hour period)	Night (9-hour period)
		Total	Total	AM_HV%	PM_HV%
Princes Highway south of Oak flats	NB	19490	2617	6.6%	8.3%
Princes Highway south of Oak flats	SB	21364	2279	6.9%	13.5%
Princes Highway north-western approach at Oak Flats	SB	3004	321	5.4%	10.2%
New Lake Entrance Road north-eastern approach at Oak Flats	NB	24403	1519	7.3%	9.2%
New Lake Entrance Road north-eastern approach at Oak Flats	SB	22535	1858	6.7%	12.5%
Princes Highway northbound off-ramp at Oak Flats	NB	5822	777	6.6%	13.0%
Princes Highway southbound on-ramp at Oak Flats	SB	4464	479	6.8%	8.6%
Princes Highway northbound on-ramp at Oak Flats	NB	8455	1128	7.2%	9.0%
Princes Highway southbound off-ramp at Oak Flats	SB	7468	801	6.1%	11.3%
Princes Highway north of Oak Flats	NB	9174	1336	6.6%	8.4%
Princes Highway north of Oak Flats	SB	10352	1101	5.7%	10.7%
Croome Road south of APRB	NB	5074	538	4.0%	4.5%
Croome Road south of APRB	SB	5484	348	3.8%	5.7%
Croome Road north of APRB	NB	2468	206	3.6%	4.2%
Croome Road north of APRB	SB	1886	130	3.5%	5.1%
Tongarra Road between Croome Road & Princes Highway	EB	1648	122	3.8%	6.2%
Tongarra Road between Croome Road & Princes Highway	WB	1659	116	4.7%	6.2%
Tongarra Road between Central Interchange and Croome Road	EB	3305	243	3.8%	6.2%
Tongarra Road between Central Interchange and Croome Road	WB	3287	232	4.7%	6.2%
Tongarra west of Bypass	EB	9153	673	3.8%	6.2%
Tongarra west of Bypass	WB	9128	643	4.7%	6.2%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	EB	5837	746	6.2%	9.9%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	WB	7359	661	4.9%	6.5%
Terry Street	NB	9538	1763	6.7%	6.6%
Terry Street	SB	7951	617	7.3%	9.6%
Princes Highway between Creamery Road and Station Road	NB	9892	1662	9.7%	11.6%
Princes Highway between Creamery Road and Station Road	SB	11350	1261	8.6%	15.0%
Princes Highway between Haywards Bay and Illawarra Highway	NB	10185	1762	10.7%	11.9%
Princes Highway between Haywards Bay and Illawarra Highway	SB	11079	1209	10.1%	15.7%
Princes Highway at Haywards Bay	NB	7578	1310	11.6%	12.9%
Princes Highway at Haywards Bay	SB	8235	899	11.1%	17.3%
Princes Highway north of Yallah Road	NB	8693	1505	11.4%	12.7%
Princes Highway north of Yallah Road	SB	9466	1033	10.2%	16.0%
Princes Highway southbound on-ramp at Haywards Bay	SB	2730	295	5.8%	9.2%
Princes Highway southbound off-ramp at Haywards Bay	SB	1213	131	5.5%	8.7%
Yallah Road at Haywards Bay	NB	1409	228	6.4%	7.2%
Yallah Road at Haywards Bay	SB	1338	156	6.5%	10.3%
Yallah Road east of Larkins Lane	EB	1016	218	9.6%	12.2%
Yallah Road east of Larkins Lane	WB	1091	93	7.2%	4.8%
Princes Motorway northbound off-ramp to Princes Highway	NB	5798	494	6.4%	6.0%
Princes Highway	SB	13355	1187	9.2%	10.3%
Princes Motorway north of Yallah Bay Road	NB	20620	4056	11.6%	12.0%
Princes Motorway north of Yallah Bay Road	SB	27841	3137	10.7%	16.1%
Princes Highway north of Princes Motorway off-ramp	NB	5017	495	6.6%	5.4%
Princes Highway north of Princes Motorway off-ramp	SB	5091	452	6.9%	8.1%
APRB at Oak Flats	SB	14401	1542	7.5%	9.5%
APRB at Oak Flats	NB	13237	1771	6.4%	8.0%
East-West Link off-ramp at Oak Flats	NB	3408	307	4.5%	6.8%
East-West Link on-ramp at Oak Flats	WB	13071	797	4.3%	8.1%
East-West Link	WB	4438	271	4.3%	8.1%
APRB on-ramp at Oak Flats	NB	8633	526	4.3%	8.1%
APRB off-ramp at Oak Flats	SB	7308	658	9.3%	11.7%
APRB east of Croome Road	EB	23336	2503	8.1%	10.3%
APRB east of Croome Road	WB	21530	2875	7.3%	9.2%
Central Interchange northbound off-ramp	NB	6765	1210	6.2%	6.1%
Central Interchange southbound on-ramp	SB	6602	533	6.0%	9.2%
APRB at Central Interchange	NB	14202	1907	7.3%	9.2%
APRB at Central Interchange	SB	15558	1660	9.1%	11.4%
Central Interchange northbound on-ramp	NB	9100	2021	11.3%	11.2%
Central Interchange southbound off-ramp	SB	9769	874	10.9%	14.3%
APRB north of Central Interchange	NB	24669	3304	9.5%	9.3%
APRB north of Central Interchange	SB	26894	2876	9.9%	12.9%
Princes Motorway northbound off-ramp on to Princes Highway	NB	4141	724	7.1%	7.0%
Princes Highway northbound on-ramp on to Princes Motorway	NB	7704	1348	7.1%	7.4%
Princes Highway southbound off-ramp on to Princes Motorway	SB	4053	438	7.2%	11.1%
Princes Motorway	NB	21013	3739	10.0%	10.4%
Princes Motorway	SB	24102	2566	9.9%	12.9%
Princes Motorway on-ramp at Northern Interchange	NB	1802	379	12.1%	15.6%
Princes Motorway off-ramp at Northern Interchange	SB	9883	1062	12.0%	13.4%

Design year 'No Build'

Road Description	Direction	Day (15-hour period)	Night (9-hour period)	Day (15-hour period)	Night (9-hour period)
		Total	Total	AM_HV%	PM_HV%
Princes Highway south of Oak flats	NB	22369	3010	6.8%	8.5%
Princes Highway south of Oak flats	SB	24607	2620	6.1%	12.1%
Princes Highway eastern approach to Oak Flats	NB	17594	2356	6.0%	7.6%
Princes Highway eastern approach to Oak Flats	SB	19179	2051	6.9%	12.8%
Princes Highway north-western approach at Oak Flats	NB	18048	2607	6.0%	7.6%
Princes Highway north-western approach at Oak Flats	SB	20068	2149	6.9%	12.8%
East-West Link east of Colden	EB	6848	585	5.4%	8.1%
East-West Link east of Colden	WB	6722	431	5.2%	9.8%
New Lake Entrance Road north-eastern approach at Oak Flats	NB	26360	1635	7.7%	80.0%
New Lake Entrance Road north-eastern approach at Oak Flats	SB	24179	2001	6.9%	12.8%
Princes Highway northbound off-ramp at Oak Flats	NB	4208	561	5.9%	11.7%
Princes Highway southbound on-ramp at Oak Flats	SB	6037	648	8.7%	11.0%
Princes Highway northbound on-ramp at Oak Flats	NB	15370	2225	6.8%	8.5%
Princes Highway southbound off-ramp at Oak Flats	SB	13289	1420	9.9%	17.8%
Princes Highway north of Oak Flats	NB	31856	4562	7.1%	8.9%
Princes Highway north of Oak Flats	SB	34831	3759	8.0%	14.7%
East-West Link	EB	5662	495	5.3%	8.0%
East-West Link	WB	5829	365	5.0%	9.3%
Woollybutt Drive	NB	1553	322	4.8%	7.3%
Croome Road south of APRB	NB	5762	605	4.6%	5.2%
Woollybutt Drive	SB	1646	113	4.8%	8.9%
Croome Road south of APRB	SB	6112	391	4.4%	6.6%
Croome Road north of APRB	NB	2357	212	4.8%	5.6%
Croome Road north of APRB	SB	2118	134	5.2%	7.6%
Tongarra Road between Croome Road & Princes Highway	EB	10353	766	5.9%	9.5%
Tongarra Road between Croome Road & Princes Highway	WB	10465	732	6.3%	8.2%
Tongarra Road between Central Interchange and Croome Road	EB	12167	901	5.9%	9.5%
Tongarra Road between Central Interchange and Croome Road	WB	12298	860	6.3%	8.2%
Tongarra west of Bypass	EB	11482	849	5.9%	9.5%
Tongarra west of Bypass	WB	11585	811	6.3%	8.2%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	EB	9324	1130	7.7%	12.2%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	WB	10661	1002	7.2%	9.5%
Terry Street	NB	9553	1776	7.1%	7.0%
Terry Street	SB	8069	621	7.7%	10.1%
Illawarra Hwy	NB	11448	2540	10.6%	10.4%
Illawarra Hwy	SB	12402	1111	11.0%	14.3%
Princes Highway between Creamery Road and Station Road	NB	23733	4006	8.5%	10.1%
Princes Highway between Creamery Road and Station Road	SB	27451	3038	9.1%	15.7%
Princes Highway between Haywards Bay and Illawarra Highway	NB	35529	6234	9.7%	10.9%
Princes Highway between Haywards Bay and Illawarra Highway	SB	39701	4279	10.2%	16.0%
Princes Highway at Haywards Bay	NB	30744	5430	10.2%	11.4%
Princes Highway at Haywards Bay	SB	34783	3727	10.7%	16.7%
Princes Highway north of Yallah Road	NB	33266	5854	10.7%	12.0%
Princes Highway north of Yallah Road	SB	37382	4018	10.7%	16.7%
Princes Highway southbound on-ramp at Haywards Bay	SB	4058	439	5.0%	8.3%
Princes Highway southbound off-ramp at Haywards Bay	SB	2165	234	10.6%	16.4%
Yallah Road at Haywards Bay	NB	3403	567	8.5%	9.5%
Yallah Road at Haywards Bay	SB	3437	389	5.2%	8.4%
Yallah Road east of Larkins Lane	EB	3398	703	11.2%	14.2%
Yallah Road east of Larkins Lane	WB	3404	300	9.5%	6.4%
Princes Motorway northbound off-ramp to Princes Highway	NB	5980	509	5.7%	5.4%
Princes Highway	SB	7990	710	5.9%	6.6%
Princes Motorway north of Yallah Bay Road	NB	23183	4741	12.7%	13.2%
Princes Motorway north of Yallah Bay Road	SB	33470	3668	12.2%	18.3%
Princes Highway north of Princes Motorway off-ramp	NB	7858	783	6.1%	4.9%
Princes Highway north of Princes Motorway off-ramp	SB	8135	715	6.2%	7.3%

Design year 'Build'

Road Description	Direction	Day (15-hour period)	Night (9-hour period)	Day (15-hour period)	Night (9-hour period)
		Total	Total	AM_HV%	PM_HV%
Princes Highway south of Oak flats	NB	23102	3101	6.6%	8.3%
Princes Highway south of Oak flats	SB	25305	2700	6.9%	13.5%
Princes Highway north-western approach at Oak Flats	SB	3592	384	5.4%	10.2%
New Lake Entrance Road north-eastern approach at Oak Flats	NB	27090	1686	7.3%	9.2%
New Lake Entrance Road north-eastern approach at Oak Flats	SB	25022	2063	6.7%	12.5%
Princes Highway northbound off-ramp at Oak Flats	NB	6729	898	6.6%	13.0%
Princes Highway southbound on-ramp at Oak Flats	SB	5177	556	6.8%	8.6%
Princes Highway northbound on-ramp at Oak Flats	NB	9693	1293	7.2%	9.0%
Princes Highway southbound off-ramp at Oak Flats	SB	8004	859	6.1%	11.3%
Princes Highway north of Oak Flats	NB	10229	1485	6.6%	8.4%
Princes Highway north of Oak Flats	SB	11483	1224	5.7%	10.7%
Croome Road south of APRB	NB	5544	584	4.0%	4.5%
Croome Road south of APRB	SB	5922	378	3.8%	5.7%
Croome Road north of APRB	NB	2475	207	3.6%	4.2%
Croome Road north of APRB	SB	1895	131	3.5%	5.1%
Tongarra Road between Croome Road & Princes Highway	EB	1671	124	3.8%	6.2%
Tongarra Road between Croome Road & Princes Highway	WB	1693	118	4.7%	6.2%
Tongarra Road between Central Interchange and Croome Road	EB	3757	276	3.8%	6.2%
Tongarra Road between Central Interchange and Croome Road	WB	3730	263	4.7%	6.2%
Tongarra west of Bypass	EB	11258	820	3.8%	6.2%
Tongarra west of Bypass	WB	11021	783	4.7%	6.2%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	EB	7307	930	6.2%	9.9%
Illawarra Highway / Tongarra Road between Hamilton Road and Russell Street	WB	9143	825	4.9%	6.5%
Terry Street	NB	10044	1866	6.7%	6.6%
Terry Street	SB	8464	653	7.3%	9.6%
Princes Highway between Creamery Road and Station Road	NB	11050	1861	9.7%	11.6%
Princes Highway between Creamery Road and Station Road	SB	12729	1412	8.6%	15.0%
Princes Highway between Haywards Bay and Illawarra Highway	NB	11481	1983	10.7%	11.9%
Princes Highway between Haywards Bay and Illawarra Highway	SB	12453	1361	10.1%	15.7%
Princes Highway at Haywards Bay	NB	7413	1282	11.6%	12.9%
Princes Highway at Haywards Bay	SB	8059	880	11.1%	17.3%
Princes Highway north of Yallah Road	NB	8932	1527	11.4%	12.7%
Princes Highway north of Yallah Road	SB	9491	1048	10.2%	16.0%
Princes Highway southbound on-ramp at Haywards Bay	SB	4125	446	5.8%	9.2%
Princes Highway southbound off-ramp at Haywards Bay	SB	886	96	5.5%	8.7%
Yallah Road at Haywards Bay	NB	2700	459	6.4%	7.2%
Yallah Road at Haywards Bay	SB	2833	315	6.5%	10.3%
Yallah Road east of Larkins Lane	EB	2727	559	9.6%	12.2%
Yallah Road east of Larkins Lane	WB	2683	239	7.2%	4.8%
Princes Motorway northbound off-ramp to Princes Highway	NB	7273	619	6.4%	6.0%
Princes Highway	SB	14106	1254	9.2%	10.3%
Princes Motorway north of Yallah Bay Road	NB	22893	4509	11.6%	12.0%
Princes Motorway north of Yallah Bay Road	SB	30985	3488	10.7%	16.1%
Princes Highway north of Princes Motorway off-ramp	NB	6906	672	6.6%	5.4%
Princes Highway north of Princes Motorway off-ramp	SB	6805	613	6.9%	8.1%
APRB at Oak Flats	SB	17187	1841	7.5%	9.5%
APRB at Oak Flats	NB	15826	2115	6.4%	8.0%
East-West Link off-ramp at Oak Flats	NB	3870	348	4.5%	6.8%
East-West Link on-ramp at Oak Flats	WB	14300	872	4.3%	8.1%
East-West Link	WB	4496	274	4.3%	8.1%
APRB on-ramp at Oak Flats	NB	9793	597	4.3%	8.1%
APRB off-ramp at Oak Flats	SB	8252	743	9.3%	11.7%
APRB east of Croome Road	EB	27301	2930	8.1%	10.3%
APRB east of Croome Road	WB	25222	3365	7.3%	9.2%
Central Interchange northbound off-ramp	NB	8718	1559	6.2%	6.1%
Central Interchange southbound on-ramp	SB	8452	683	6.0%	9.2%
APRB at Central Interchange	NB	15797	2121	7.3%	9.2%
APRB at Central Interchange	SB	17308	1847	9.1%	11.4%
Central Interchange northbound on-ramp	NB	10904	2421	11.3%	11.2%
Central Interchange southbound off-ramp	SB	11705	1047	10.9%	14.3%
APRB north of Central Interchange	NB	28346	3796	9.5%	9.3%
APRB north of Central Interchange	SB	30897	3304	9.9%	12.9%
Princes Motorway northbound off-ramp on to Princes Highway	NB	5263	921	7.1%	7.0%
Princes Highway northbound on-ramp on to Princes Motorway	NB	8156	1427	7.1%	7.4%
Princes Highway southbound off-ramp on to Princes Motorway	SB	5271	570	7.2%	11.1%
Princes Motorway	NB	23852	4253	10.0%	10.4%
Princes Motorway	SB	27467	2919	9.9%	12.9%
Princes Motorway on-ramp at Northern Interchange	NB	2528	532	12.1%	15.6%
Princes Motorway off-ramp at Northern Interchange	SB	10911	1173	12.0%	13.4%

APPENDIX D Predicted road traffic noise level (pre mitigation)

Albion Park Rail Bypass

Operational traffic noise assessment

Without mitigation

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0001		Residential	G	S	59	54	59	54	59	55	60	55	0.5	0.3	0.6	0.2	60	55	NO	NO	NO
1	1_0002		Residential	G	S	59	54	59	54	60	55	60	55	0	-0.1	0.1	-0.4	60	55	NO	NO	NO
1	1_0003		Residential	G	W	61	56	61	56	61	57	61	56	0	-0.3	0.1	-0.5	60	55	NO	NO	NO
1	1_0004		Residential	G	W	59	54	59	54	60	55	60	55	0	-0.3	0.1	-0.4	60	55	NO	NO	NO
1	1_0005		Residential	G	SW	60	55	60	55	61	56	61	56	0	-0.3	0.1	-0.5	60	55	NO	NO	NO
1	1_0006		Residential	G	SW	62	57	62	56	62	58	62	57	-0.1	-0.3	0	-0.5	60	55	NO	NO	NO
1	1_0007		Residential	G	SW	60	55	60	55	61	56	61	56	0.1	-0.2	0.2	-0.3	60	55	NO	NO	NO
1	1_0008		Residential	G	SW	62	57	61	56	62	58	62	57	-0.1	-0.3	0	-0.5	60	55	NO	NO	NO
1	1_0009		Residential	G	NW	58	53	59	54	59	54	60	54	0.6	0.4	0.7	0.1	60	55	NO	NO	NO
1	1_0009		Residential	1	SW	60	56	61	56	61	56	62	56	0.5	0.2	0.5	0.1	60	55	NO	NO	NO
1	1_0010		Residential	G	SW	62	58	62	57	63	58	63	58	-0.2	-0.5	-0.2	-0.6	60	55	NO	NO	NO
1	1_0010		Residential	1	SW	63	59	63	58	64	59	64	59	-0.1	-0.4	0	-0.3	60	55	NO	NO	NO
1	1_0011		Residential	G	W	59	54	60	54	60	55	60	55	0.7	0.4	0.7	0.1	60	55	NO	NO	NO
1	1_0012		Residential	G	SW	63	58	63	58	63	59	63	58	-0.2	-0.5	-0.1	-0.5	60	55	NO	NO	NO
1	1_0013		Residential	G	W	59	54	59	54	59	55	60	55	0.5	0.2	0.6	0	60	55	NO	NO	NO
1	1_0013		Residential	1	S	61	56	61	56	62	57	62	57	0.4	0.2	0.5	0.1	60	55	NO	NO	NO
1	1_0014		Residential	G	SW	63	59	63	58	64	59	64	59	-0.1	-0.4	0	-0.3	60	55	NO	NO	NO
1	1_0014		Residential	1	SW	64	59	64	59	65	60	65	60	0	-0.3	0.1	-0.2	60	55	NO	NO	NO
1	1_0015		Residential	G	NW	57	52	58	53	58	54	59	53	0.5	0.3	0.6	-0.1	60	55	NO	NO	NO
1	1_0015		Residential	1	SE	60	55	60	55	61	56	61	56	-0.1	-0.3	-0.1	-0.2	60	55	NO	NO	NO
1	1_0016		Residential	G	SW	64	59	64	59	64	60	64	59	-0.1	-0.4	-0.1	-0.4	60	55	NO	NO	NO
1	1_0017		Residential	G	SW	62	57	62	57	62	58	62	57	0.1	-0.2	0.2	-0.2	60	55	NO	NO	NO
1	1_0017		Residential	1	SW	63	58	63	58	64	59	64	59	0.1	-0.1	0.2	-0.1	60	55	NO	NO	NO
1	1_0018		Residential	G	W	63	57	63	57	64	60	64	57	-0.1	-0.3	-0.1	-2.8	60	55	NO	NO	NO
1	1_0018		Residential	1	W	65	58	64	58	65	61	65	59	-0.1	-0.2	-0.1	-2.6	60	55	NO	NO	NO
1	1_0019		Residential	G	W	64	58	64	58	64	61	64	58	-0.1	-0.2	-0.1	-2.5	60	55	NO	NO	NO
1	1_0020		Residential	G	S	63	57	62	57	63	59	63	57	-0.1	-0.2	0	-1.8	60	55	NO	NO	NO
1	1_0020		Residential	1	W	64	58	64	57	64	61	64	58	-0.1	-0.3	-0.1	-2.6	60	55	NO	NO	NO
1	1_0021		Residential	G	S	62	57	62	56	63	59	63	57	-0.1	-0.3	0	-1.8	60	55	NO	NO	NO
1	1_0021		Residential	1	S	63	58	63	57	64	60	64	58	-0.2	-0.4	-0.1	-1.7	60	55	NO	NO	NO
1	1_0022		Residential	G	S	62	56	62	56	62	58	62	57	-0.1	-0.3	-0.1	-1.6	60	55	NO	NO	NO
1	1_0022		Residential	1	S	63	57	63	57	63	59	63	58	-0.1	-0.3	-0.1	-1.5	60	55	NO	NO	NO
1	1_0023		Residential	G	S	62	56	62	56	62	58	62	57	-0.1	-0.3	0	-1.2	60	55	NO	NO	NO
1	1_0023		Residential	1	S	63	58	63	57	63	59	63	58	-0.2	-0.4	0	-1.3	60	55	NO	NO	NO
1	1_0024		Residential	G	W	69	63	69	63	70	66	70	63	0.1	0	0	-2.6	60	55	NO	NO	NO
1	1_0025		Residential	G	S	61	56	61	55	61	57	61	56	-0.1	-0.3	-0.1	-1.1	60	55	NO	NO	NO
1	1_0025		Residential	1	S	62	57	62	56	62	58	62	57	0	-0.1	0.1	-0.8	60	55	NO	NO	NO
1	1_0026		Residential	G	W	68	62	68	62	69	65	69	62	0.1	0.1	0.1	-2.7	60	55	NO	NO	NO
1	1_0027		Residential	G	S	61	56	61	56	62	57	62	56	-0.1	-0.3	0	-0.9	60	55	NO	NO	NO
1	1_0027		Residential	1	S	62	57	62	57	62	58	63	57	0	-0.1	0.2	-0.9	60	55	NO	NO	NO
1	1_0028		Residential	G	W	66	60	66	60	66	63	66	60	0.1	0	0	-2.7	60	55	NO	NO	NO
1	1_0029		Residential	G	S	61	56	61	56	61	57	61	56	0	-0.2	0	-0.8	60	55	NO	NO	NO
1	1_0029		Residential	1	S	62	57	62	57	62	58	63	57	0.1	-0.1	0.2	-0.7	60	55	NO	NO	NO
1	1_0030		Residential	G	W	66	59	66	59	66	63	66	60	0	0	0.1	-2.7	60	55	NO	NO	NO
1	1_0031		Residential	G	S	60	55	60	55	61	56	61	56	0.1	-0.1	0.2	-0.5	60	55	NO	NO	NO
1	1_0031		Residential	1	S	62	57	62	57	62	58	63	58	0.2	0	0.3	-0.4	60	55	NO	NO	NO
1	1_0032		Residential	G	SW	64	58	64	58	64	60	64	58	-0.1	-0.2	0	-2.1	60	55	NO	NO	NO
1	1_0033		Residential	G	S	61	56	61	55	61	57	61	56	0.2	-0.1	0.2	-0.6	60	55	NO	NO	NO
1	1_0033		Residential	1	S	62	57	62	57	63	58	63	58	0.2	0	0.3	-0.4	60	55	NO	NO	NO
1	1_0034		Residential	G	S	62	57	62	56	63	59	63	57	-0.1	-0.2	0	-1.8	60	55	NO	NO	NO
1	1_0035		Residential	G	S	61	56	61	56	61	57	62	56	0.2	0	0.2	-0.4	60	55	NO	NO	NO
1	1_0035		Residential	1	S	62	57	62	57	62	58	63	58	0.3	0.1	0.3	-0.2	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0036		Residential	G	S	62	56	62	56	63	59	63	57	-0.1	-0.3	0	-1.9	60	55	NO	NO	NO
1	1_0037		Residential	G	S	60	55	61	56	61	56	61	56	0.3	0.1	0.3	-0.2	60	55	NO	NO	NO
1	1_0037		Residential	1	S	61	56	62	57	62	57	62	57	0.4	0.3	0.5	0	60	55	NO	NO	NO
1	1_0038		Residential	G	S	62	57	62	56	63	58	63	57	-0.1	-0.4	-0.1	-1.3	60	55	NO	NO	NO
1	1_0039		Residential	G	S	60	55	60	55	60	56	61	56	0.5	0.2	0.6	0.3	60	55	NO	NO	NO
1	1_0039		Residential	1	S	61	56	61	56	61	57	62	57	0.5	0.3	0.6	0.2	60	55	NO	NO	NO
1	1_0040		Residential	G	S	61	56	61	56	62	58	62	57	-0.2	-0.4	-0.1	-1	60	55	NO	NO	NO
1	1_0041		Residential	G	S	59	55	60	55	60	55	61	55	0.4	0.1	0.4	0	60	55	NO	NO	NO
1	1_0041		Residential	1	S	60	56	61	56	61	56	62	57	0.5	0.3	0.6	0.1	60	55	NO	NO	NO
1	1_0042		Residential	G	S	62	56	61	56	62	58	62	57	-0.3	-0.4	-0.2	-1	60	55	NO	NO	NO
1	1_0043		Residential	G	S	61	56	61	56	62	57	62	57	-0.3	-0.5	-0.1	-0.9	60	55	NO	NO	NO
1	1_0044		Residential	G	S	61	56	61	56	62	58	62	57	-0.2	-0.4	-0.1	-0.8	60	55	NO	NO	NO
1	1_0045		Residential	G	S	62	57	62	57	62	58	62	57	-0.2	-0.4	-0.1	-0.7	60	55	NO	NO	NO
1	1_0046		Residential	G	S	61	56	61	56	61	57	61	56	-0.1	-0.3	-0.1	-0.4	60	55	NO	NO	NO
1	1_0047		Residential	G	S	61	56	61	56	62	57	62	57	0	-0.2	0.1	-0.5	60	55	NO	NO	NO
1	1_0047		Residential	1	S	62	57	62	57	63	58	63	58	0.2	-0.1	0.2	-0.4	60	55	NO	NO	NO
1	1_0048		Residential	G	S	61	56	61	56	62	57	62	57	0	-0.3	0.1	-0.5	60	55	NO	NO	NO
1	1_0049		Residential	G	S	61	56	61	56	62	57	62	57	0.2	0.1	0.3	0	60	55	NO	NO	NO
1	1_0050		Residential	G	S	60	55	59	54	60	55	60	55	-0.1	-0.3	0.1	-0.2	60	55	NO	NO	NO
1	1_0051		Residential	G	SW	60	55	61	55	61	56	61	56	0.2	-0.1	0.3	-0.2	60	55	NO	NO	NO
1	1_0052		Residential	G	SW	58	53	58	53	59	54	59	54	0.1	-0.2	0.2	-0.2	60	55	NO	NO	NO
1	1_0053		Residential	G	SE	58	53	58	53	59	54	58	53	-0.2	-0.4	-0.1	-0.3	60	55	NO	NO	NO
1	1_0054		Residential	G	SW	59	55	60	55	60	55	61	55	0.4	0.1	0.5	-0.1	60	55	NO	NO	NO
1	1_0055		Residential	G	NW	55	50	56	51	56	51	57	52	1.3	1	1.3	0.6	60	55	NO	NO	NO
1	1_0056		Residential	G	W	71	64	71	64	71	67	71	65	0	0	0	-2.5	60	55	NO	NO	NO
1	1_0056		Residential	1	W	72	66	72	66	72	68	72	66	0	0	0.1	-2.3	60	55	NO	NO	NO
1	1_0057		Residential	G	W	71	65	72	65	72	68	72	66	0.1	0.1	0	-1.8	60	55	NO	NO	NO
1	1_0058		Residential	G	W	66	60	66	60	66	62	66	60	0.1	0	0.1	-1.7	60	55	NO	NO	NO
1	1_0059		Residential	G	S	61	55	61	55	61	57	61	55	-0.1	-0.1	-0.1	-2.3	60	55	NO	NO	NO
1	1_0059		Residential	1	S	63	57	63	57	63	60	63	57	-0.1	-0.2	0	-2.5	60	55	NO	NO	NO
1	1_0060		Residential	G	N	63	57	63	57	63	60	63	57	0	-0.1	0	-2.8	60	55	NO	NO	NO
1	1_0061		Residential	G	S	59	53	59	53	59	56	60	53	0.1	0.1	0.1	-2.2	60	55	NO	NO	NO
1	1_0061		Residential	1	S	61	55	61	55	62	58	62	56	0.1	-0.1	0.1	-2.1	60	55	NO	NO	NO
1	1_0062		Residential	G	S	62	56	62	56	62	59	62	56	0	-0.1	0	-2.4	60	55	NO	NO	NO
1	1_0062		Residential	1	S	63	57	63	57	64	60	64	58	0	-0.1	0	-2.2	60	55	NO	NO	NO
1	1_0063		Residential	G	S	62	56	62	56	62	58	62	56	0.1	-0.2	0.1	-2.1	60	55	NO	NO	NO
1	1_0063		Residential	1	S	63	57	63	57	63	59	63	57	0	-0.1	0	-1.9	60	55	NO	NO	NO
1	1_0064		Residential	G	S	56	50	56	50	56	53	57	51	0.3	0.1	0.3	-1.6	60	55	NO	NO	NO
1	1_0064		Residential	1	S	60	54	60	54	60	57	60	55	0.1	0	0.1	-2.1	60	55	NO	NO	NO
1	1_0065		Residential	G	S	62	56	62	56	62	58	62	57	0.1	0	0.1	-1.6	60	55	NO	NO	NO
1	1_0066		Residential	G	S	62	56	62	56	62	58	62	57	0.1	0	0.2	-1.2	60	55	NO	NO	NO
1	1_0067		Residential	G	S	59	54	60	54	59	55	60	55	0.7	0.5	0.8	-0.4	60	55	NO	NO	NO
1	1_0068		Residential	G	S	61	56	61	56	62	58	62	57	0.1	-0.1	0.2	-1	60	55	NO	NO	NO
1	1_0069		Residential	G	S	60	55	60	55	61	57	61	55	0	-0.2	0.1	-1.2	60	55	NO	NO	NO
1	1_0069		Residential	1	S	62	57	62	57	63	58	63	57	0.1	-0.1	0.1	-1	60	55	NO	NO	NO
1	1_0070		Residential	G	S	59	54	59	54	59	55	60	54	0.2	0	0.2	-0.5	60	55	NO	NO	NO
1	1_0071		Residential	G	S	58	53	58	53	59	54	59	54	0.1	-0.1	0.1	-0.5	60	55	NO	NO	NO
1	1_0071		Residential	1	S	61	56	61	56	61	57	62	56	0.4	0.1	0.4	-0.3	60	55	NO	NO	NO
1	1_0072		Residential	G	E	54	49	53	49	54	50	54	49	-0.1	-0.2	0	-0.3	60	55	NO	NO	NO
1	1_0073		Residential	G	E	54	49	54	49	55	50	55	50	-0.1	-0.1	0	-0.2	60	55	NO	NO	NO
1	1_0074		Residential	G	S	51	46	51	46	52	48	52	47	0	-0.2	0.2	-1	60	55	NO	NO	NO
1	1_0074		Residential	1	W	58	53	58	53	59	54	59	53	0.2	-0.1	0.3	-1.2	60	55	NO	NO	NO
1	1_0075		Residential	G	W	56	51	56	51	57	52	57	51	0.1	-0.2	0.1	-1.2	60	55	NO	NO	NO
1	1_0076		Residential	G	W	57	52	57	51	58	54	57	52	-0.3	-0.6	-0.2	-1.7	60	55	NO	NO	NO
1	1_0077		Residential	G	W	50	45	50	44	50	46	50	45	-0.1	-0.4	-0.1	-1.4	60	55	NO	NO	NO
1	1_0077		Residential	1	W	59	53	59	53	59	55	59	54	0.2	-0.2	0.2	-1.8	60	55	NO	NO	NO
1	1_0078		Residential	G	S	58	52	58	52	58	55	59	53	0.1	0	0.3	-2	60	55	NO	NO	NO
1	1_0079		Residential	G	S	64	58	64	58	64	60	64	58	-0.1	-0.3	-0.1	-1.7	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0079		Residential	1	S	64	59	64	58	65	61	65	59	0	-0.3	0	-1.6	60	55	NO	NO	NO
1	1_0080		Residential	G	S	62	57	62	57	63	59	63	57	0.1	-0.1	0.2	-1.3	60	55	NO	NO	NO
1	1_0081		Residential	G	S	63	58	63	57	63	59	63	58	-0.1	-0.2	0	-1.3	60	55	NO	NO	NO
1	1_0082		Residential	G	S	63	57	63	57	63	59	63	58	0	-0.2	0.2	-0.9	60	55	NO	NO	NO
1	1_0082		Residential	1	S	63	58	63	58	64	59	64	58	0	-0.1	0.1	-1	60	55	NO	NO	NO
1	1_0083		Residential	G	S	62	57	62	57	62	58	63	57	0.3	0.1	0.4	-0.5	60	55	NO	NO	NO
1	1_0083		Residential	1	S	62	57	62	57	63	58	63	58	0.1	0	0.3	-0.6	60	55	NO	NO	NO
1	1_0084		Residential	G	S	61	56	62	57	62	58	63	57	0.5	0.3	0.6	-0.2	60	55	NO	NO	NO
1	1_0085		Residential	G	S	61	56	62	56	62	57	62	57	0.6	0.4	0.7	0.1	60	55	NO	NO	NO
1	1_0085		Residential	1	S	62	57	62	57	62	58	63	58	0.5	0.3	0.5	-0.2	60	55	NO	NO	NO
1	1_0086		Residential	G	S	61	56	62	57	62	58	63	57	0.4	0.2	0.5	-0.3	60	55	NO	NO	NO
1	1_0087		Residential	G	S	59	54	59	54	60	55	60	55	-0.1	-0.2	0	-0.2	60	55	NO	NO	NO
1	1_0088		Residential	G	S	61	56	61	56	61	57	62	57	0.4	0.2	0.5	-0.1	60	55	NO	NO	NO
1	1_0089		Residential	G	S	56	51	55	50	56	52	56	51	-0.3	-0.5	-0.2	-0.6	60	55	NO	NO	NO
1	1_0089		Residential	1	S	59	54	59	54	59	55	59	54	-0.3	-0.5	-0.2	-0.6	60	55	NO	NO	NO
1	1_0090		Residential	G	SW	58	53	58	53	59	54	59	54	0.3	0.1	0.4	0.1	60	55	NO	NO	NO
1	1_0091		Residential	G	SW	58	53	58	53	59	54	59	54	0	-0.2	0.1	-0.2	60	55	NO	NO	NO
1	1_0092		Residential	G	SE	58	54	59	54	59	54	59	54	0.2	0	0.3	0.1	60	55	NO	NO	NO
1	1_0093		Residential	G	S	59	54	59	54	59	54	60	55	0.4	0.1	0.4	0.2	60	55	NO	NO	NO
1	1_0094		Residential	G	S	59	54	59	54	59	55	60	55	-0.1	-0.2	0.1	-0.2	60	55	NO	NO	NO
1	1_0095		Residential	G	S	58	53	58	53	59	54	59	54	0.2	0	0.2	-0.1	60	55	NO	NO	NO
1	1_0096		Residential	G	W	55	50	55	50	56	51	56	51	-0.2	-0.4	0	-0.3	60	55	NO	NO	NO
1	1_0097		Residential	G	S	57	52	57	52	57	52	57	52	0.1	-0.1	0.2	-0.1	60	55	NO	NO	NO
1	1_0098		Residential	G	SE	56	51	55	51	56	51	56	51	-0.1	-0.2	0	-0.1	60	55	NO	NO	NO
1	1_0098		Residential	1	SE	58	53	58	53	58	54	59	54	0.2	-0.1	0.2	0	60	55	NO	NO	NO
1	1_0099		Residential	G	S	57	52	57	52	57	53	57	52	0	-0.1	0.1	-0.1	60	55	NO	NO	NO
1	1_0100		Residential	G	S	57	52	57	52	57	53	58	53	0.1	-0.1	0.3	-0.1	60	55	NO	NO	NO
1	1_0100		Residential	1	S	58	53	58	53	58	53	59	54	0.4	0.1	0.5	0.2	60	55	NO	NO	NO
1	1_0101		Residential	G	SW	56	52	57	52	57	52	58	53	0.4	0.2	0.4	0.2	60	55	NO	NO	NO
1	1_0101		Residential	1	SW	57	52	58	53	58	53	59	54	0.7	0.5	0.8	0.5	60	55	NO	NO	NO
1	1_0102		Residential	G	SW	56	51	57	52	57	52	58	53	0.8	0.5	0.8	0.5	60	55	NO	NO	NO
1	1_0102		Residential	1	SW	57	53	58	53	58	53	59	54	0.8	0.6	0.9	0.5	60	55	NO	NO	NO
1	1_0103		Residential	G	S	57	52	58	52	57	53	58	53	0.7	0.5	0.8	0.4	60	55	NO	NO	NO
1	1_0103		Residential	1	S	58	53	58	53	58	53	59	54	0.6	0.3	0.7	0.2	60	55	NO	NO	NO
1	1_0104		Residential	G	SW	56	52	57	52	57	52	58	53	1	0.7	1.1	0.7	60	55	NO	NO	NO
1	1_0104		Residential	1	SW	57	52	58	53	58	53	59	53	0.9	0.6	0.9	0.4	60	55	NO	NO	NO
1	1_0105		Residential	G	S	56	51	57	52	57	52	58	53	1.1	0.8	1.1	0.6	60	55	NO	NO	NO
1	1_0105		Residential	1	W	57	52	58	53	57	53	58	53	0.9	0.6	1	0.4	60	55	NO	NO	NO
1	1_0106		Residential	G	S	57	52	58	53	58	53	59	54	0.9	0.5	1	0.6	60	55	NO	NO	NO
1	1_0107		Residential	G	S	55	51	55	50	56	51	56	51	-0.1	-0.3	0	-0.3	60	55	NO	NO	NO
1	1_0108		Residential	G	S	56	51	57	52	57	52	58	53	1	0.8	1.1	0.7	60	55	NO	NO	NO
1	1_0109		Residential	G	SE	54	49	54	49	54	50	55	50	0.3	-0.1	0.3	0	60	55	NO	NO	NO
1	1_0109		Residential	1	SW	57	52	58	53	57	53	58	53	1	0.8	1.1	0.6	60	55	NO	NO	NO
1	1_0110		Residential	G	W	55	50	56	51	56	51	57	52	1.2	1.1	1.3	0.7	60	55	NO	NO	NO
1	1_0110		Residential	1	S	57	52	58	53	58	53	59	54	0.9	0.7	1	0.4	60	55	NO	NO	NO
1	1_0111		Residential	G	SW	55	50	57	51	56	51	57	52	1.3	1.2	1.4	0.9	60	55	NO	NO	NO
1	1_0112		Residential	G	W	57	52	58	52	57	53	58	53	1	0.8	1	0.4	60	55	NO	NO	NO
1	1_0113		Residential	G	W	57	52	58	53	58	53	59	53	0.8	0.6	1	0.2	60	55	NO	NO	NO
1	1_0114		Residential	G	SW	55	51	55	50	56	51	56	51	0	-0.3	0.1	-0.4	60	55	NO	NO	NO
1	1_0115		Residential	G	NW	54	49	56	50	55	50	56	51	1.5	1.3	1.5	0.9	60	55	NO	NO	NO
1	1_0115		Residential	1	SW	57	52	58	53	58	53	59	54	0.7	0.5	0.8	0.2	60	55	NO	NO	NO
1	1_0116	Echidna Children's Centre	Childcare Sleeping	G	S	58	53	58	53	58	53	59	54	0.3	0.2	0.5	0.1	45	-	NO	-	YES
1	1_0117		Residential	G	S	57	52	57	52	58	53	58	53	0	-0.2	0.1	-0.1	60	55	NO	NO	NO
1	1_0118		Residential	G	S	56	51	56	51	56	52	57	52	0.1	0	0.3	0	60	55	NO	NO	NO
1	1_0119		Residential	G	S	56	52	57	52	57	52	57	52	0.3	0	0.4	0	60	55	NO	NO	NO
1	1_0119		Residential	1	S	58	53	58	53	58	54	59	54	0.8	0.5	0.8	0.5	60	55	NO	NO	NO
1	1_0120		Residential	G	S	57	52	58	53	58	53	59	54	0.7	0.5	0.8	0.4	60	55	NO	NO	NO
1	1_0120		Residential	1	S	58	53	59	54	59	54	59	54	0.6	0.4	0.7	0.3	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0121		Residential	G	S	57	52	58	53	58	53	59	54	0.8	0.5	0.8	0.5	60	55	NO	NO	NO
1	1_0121		Residential	1	S	58	53	59	54	59	54	59	54	0.6	0.4	0.7	0.2	60	55	NO	NO	NO
1	1_0122		Residential	G	S	57	52	58	53	58	53	58	53	0.8	0.5	0.9	0.4	60	55	NO	NO	NO
1	1_0122		Residential	1	S	58	53	58	53	58	54	59	54	0.7	0.6	0.8	0.3	60	55	NO	NO	NO
2	2_0001		Residential	G	N	52	47	59	54	53	47	60	55	6.8	7.4	7	7.6	55	50	NO	NO	YES
3	3_0001		Residential	G	SE	54	48	60	54	54	48	60	55	6.1	6.8	6.3	6.7	55	50	NO	NO	YES
3	3_0001		Residential	1	SW	57	51	63	58	58	52	64	58	5.8	6.7	5.9	6.8	55	50	NO	NO	YES
3	3_0002		Residential	G	SE	56	50	62	57	56	50	63	58	6.5	7.6	6.7	7.6	55	50	NO	NO	YES
3	3_0003		Residential	G	SE	56	50	62	57	56	50	63	58	6.5	7.6	6.7	7.7	55	50	NO	NO	YES
3	3_0004		Residential	G	SE	56	50	63	58	57	51	63	58	6.5	7.7	6.8	7.8	55	50	NO	NO	YES
3	3_0005		Residential	G	SE	56	50	63	58	57	51	63	58	6.6	7.7	6.7	7.7	55	50	NO	NO	YES
3	3_0006		Residential	G	SE	56	49	62	57	56	50	63	58	6.4	7.6	6.6	7.7	55	50	NO	NO	YES
3	3_0007		Residential	G	SE	57	50	63	58	57	51	64	58	6.3	7.4	6.6	7.5	55	50	NO	NO	YES
3	3_0008		Residential	G	SE	56	50	63	58	57	51	64	59	6.6	7.7	6.8	7.9	55	50	NO	NO	YES
3	3_0009		Residential	G	SE	56	50	63	57	57	50	63	58	6.5	7.6	6.6	7.7	55	50	NO	NO	YES
3	3_0010		Residential	G	S	57	50	63	58	57	51	64	59	6.3	7.6	6.6	7.5	55	50	NO	NO	YES
3	3_0011		Residential	G	S	57	50	63	58	57	51	64	59	6.4	7.6	6.6	7.7	55	50	NO	NO	YES
3	3_0012		Residential	G	S	57	50	63	58	57	51	64	59	6.6	7.7	6.7	7.7	55	50	NO	NO	YES
3	3_0013		Residential	G	S	55	49	62	57	56	50	63	58	7.1	8.1	7.3	8.2	55	50	NO	NO	YES
3	3_0014		Residential	G	S	56	50	63	58	57	51	64	59	6.7	7.8	6.9	7.9	55	50	NO	NO	YES
3	3_0015		Residential	G	S	56	50	63	58	57	51	64	59	7	8.1	7.2	8.2	55	50	NO	NO	YES
3	3_0016		Residential	G	S	56	50	63	58	57	51	64	59	7.2	8.2	7.4	8.2	55	50	NO	NO	YES
3	3_0017		Residential	G	S	56	49	63	58	56	50	64	59	7.7	8.8	7.8	8.9	55	50	NO	NO	YES
3	3_0018		Residential	G	S	55	49	63	58	56	49	64	59	8.1	9.3	8.2	9.3	55	50	NO	NO	YES
3	3_0018		Residential	1	S	56	50	64	59	57	51	65	60	7.6	8.7	7.8	8.8	55	50	YES	YES	YES
3	3_0019		Residential	G	S	56	49	63	58	56	50	64	59	7.6	8.7	7.8	8.7	55	50	NO	NO	YES
3	3_0020		Residential	G	S	55	49	63	58	56	50	64	59	7.9	9.1	8.1	9.1	55	50	NO	NO	YES
3	3_0020		Residential	1	S	56	50	64	59	57	51	65	60	7.7	8.8	7.9	8.8	55	50	YES	YES	YES
3	3_0021		Residential	G	W	55	49	57	52	55	50	58	53	2.7	2.8	2.8	2.8	55	50	NO	NO	YES
3	3_0022		Residential	G	W	55	49	57	52	55	50	58	53	2.9	3.1	3.1	3.1	55	50	NO	NO	YES
3	3_0023		Residential	G	W	54	49	58	53	55	50	59	54	3.7	3.9	3.8	3.9	55	50	NO	NO	YES
3	3_0024		Residential	G	W	55	49	59	53	55	50	59	54	4	4.3	4	4.4	55	50	NO	NO	YES
3	3_0025		Residential	G	W	54	49	58	53	55	49	59	54	4	4.4	4.1	4.4	55	50	NO	NO	YES
3	3_0026		Residential	G	W	55	49	58	53	55	50	59	54	3.8	4.1	3.9	4.1	55	50	NO	NO	YES
3	3_0027		Residential	G	SW	55	49	61	56	55	49	61	56	5.8	6.8	6	6.9	55	50	NO	NO	YES
3	3_0028		Residential	G	S	54	48	60	55	54	48	61	56	6.5	7.4	6.7	7.4	55	50	NO	NO	YES
3	3_0029		Residential	G	S	54	48	61	56	54	48	61	56	6.8	7.7	7	7.9	55	50	NO	NO	YES
3	3_0030		Residential	G	S	54	48	61	56	54	48	61	56	7	7.9	7.2	8	55	50	NO	NO	YES
3	3_0031		Residential	G	S	54	48	61	56	54	48	61	56	7	8	7.1	8	55	50	NO	NO	YES
3	3_0032		Residential	G	S	53	47	60	55	53	47	61	56	7.3	8.5	7.5	8.4	55	50	NO	NO	YES
3	3_0032		Residential	1	S	56	50	62	57	56	50	63	58	6.4	7.5	6.6	7.6	55	50	NO	NO	YES
3	3_0033		Residential	G	S	54	48	61	56	55	49	62	57	6.8	7.9	7.1	7.9	55	50	NO	NO	YES
3	3_0034		Residential	G	S	55	48	61	56	55	49	62	57	6.8	7.8	7	7.9	55	50	NO	NO	YES
3	3_0035		Residential	G	S	54	48	61	56	55	49	62	57	6.6	7.6	6.8	7.7	55	50	NO	NO	YES
3	3_0036		Residential	G	S	54	48	61	56	55	49	61	56	6.8	7.7	6.9	7.8	55	50	NO	NO	YES
3	3_0037		Residential	G	S	54	48	61	56	54	48	61	56	6.8	7.8	6.9	7.8	55	50	NO	NO	YES
3	3_0038		Residential	G	S	53	47	60	55	54	48	60	55	6.5	7.5	6.6	7.4	55	50	NO	NO	YES
3	3_0039		Residential	G	S	53	47	59	54	53	47	60	55	6.6	7.4	6.7	7.5	55	50	NO	NO	YES
3	3_0040		Residential	G	S	53	47	59	54	53	47	60	55	6.3	7.2	6.5	7.2	55	50	NO	NO	YES
3	3_0041		Residential	G	S	53	47	59	54	53	47	60	54	6.3	7.2	6.4	7.1	55	50	NO	NO	YES
3	3_0042		Residential	G	S	52	47	59	54	53	47	60	54	6.5	7.2	6.5	7.2	55	50	NO	NO	YES
3	3_0043		Residential	G	SW	53	47	59	53	54	48	59	54	5.5	6.2	5.5	6.3	55	50	NO	NO	YES
3	3_0044		Residential	G	W	54	48	58	53	54	49	59	54	4.2	4.6	4.4	4.6	55	50	NO	NO	YES
3	3_0045		Residential	G	E	53	48	59	53	54	49	59	54	5.2	5.6	5.4	5.6	55	50	NO	NO	YES
3	3_0046		Residential	G	W	54	48	59	53	54	49	59	54	4.9	5.4	5	5.5	55	50	NO	NO	YES
3	3_0047		Residential	G	S	52	46	58	53	53	47	59	54	5.8	6.5	6	6.5	55	50	NO	NO	YES
3	3_0048		Residential	G	S	51	45	56	51	51	46	57	52	5.3	5.9	5.5	5.9	55	50	NO	NO	YES
3	3_0049		Residential	G	SW	52	47	57	52	53	47	58	53	5.1	5.6	5.3	5.7	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0050		Residential	G	W	53	48	58	53	54	49	58	53	4.4	4.8	4.5	4.8	55	50	NO	NO	YES
3	3_0051		Residential	G	W	54	48	58	53	54	49	59	54	4.4	4.8	4.4	4.9	55	50	NO	NO	YES
3	3_0052		Residential	G	S	51	46	56	51	52	46	57	52	5	5.4	5.1	5.4	55	50	NO	NO	YES
3	3_0053		Residential	G	S	51	46	57	52	52	47	57	52	5.3	5.7	5.4	5.7	55	50	NO	NO	YES
3	3_0054		Residential	G	SW	52	47	57	52	53	47	58	53	5.1	5.6	5.3	5.7	55	50	NO	NO	YES
3	3_0055		Residential	G	SE	52	46	58	53	53	47	59	54	6.1	6.7	6.3	6.7	55	50	NO	NO	YES
3	3_0056		Residential	G	SE	52	46	57	52	52	47	58	53	5.6	6.2	5.8	6.2	55	50	NO	NO	YES
3	3_0057		Residential	G	S	52	46	58	53	52	47	58	53	5.9	6.6	6.1	6.6	55	50	NO	NO	YES
3	3_0058		Residential	G	S	52	46	58	52	52	47	58	53	5.8	6.5	6	6.5	55	50	NO	NO	YES
3	3_0059		Residential	G	S	51	46	57	52	52	46	58	53	5.8	6.4	6	6.5	55	50	NO	NO	YES
3	3_0060		Residential	G	S	51	45	56	51	52	46	57	52	5.3	5.8	5.4	5.8	55	50	NO	NO	YES
3	3_0061		Residential	G	S	51	45	56	51	52	46	57	52	5.1	5.7	5.3	5.7	55	50	NO	NO	YES
3	3_0062		Residential	G	SE	51	46	57	52	52	47	57	52	5.2	5.6	5.3	5.5	55	50	NO	NO	YES
3	3_0063		Residential	G	S	55	49	63	58	56	50	64	59	7.9	8.9	8.1	8.9	55	50	NO	NO	YES
3	3_0064		Residential	G	S	55	49	63	58	56	50	64	59	8	9	8.1	9	55	50	NO	NO	YES
3	3_0065		Residential	G	S	54	48	62	57	55	49	63	58	8.2	9.1	8.3	9.2	55	50	NO	NO	YES
3	3_0066		Residential	G	S	55	49	63	58	55	49	64	59	8.3	9.3	8.4	9.4	55	50	NO	NO	YES
3	3_0067		Residential	G	S	55	49	63	58	56	50	64	59	8.1	9.1	8.3	9.2	55	50	NO	NO	YES
3	3_0068		Residential	G	S	55	49	63	58	55	49	64	59	8.1	9.1	8.3	9.2	55	50	NO	NO	YES
3	3_0069		Residential	G	S	55	49	63	58	55	49	63	58	7.8	9	8	8.9	55	50	NO	NO	YES
3	3_0070		Residential	G	S	55	49	63	58	55	49	64	59	8.1	9.1	8.2	9.2	55	50	NO	NO	YES
3	3_0071		Residential	G	S	55	49	63	58	55	49	64	59	8.1	9.1	8.2	9.1	55	50	NO	NO	YES
3	3_0072		Residential	G	S	55	49	63	58	55	49	64	58	8	9	8.2	9	55	50	NO	NO	YES
3	3_0073		Residential	G	SE	53	47	59	54	53	47	60	55	6.4	7.2	6.6	7.2	55	50	NO	NO	YES
3	3_0074		Residential	G	S	53	47	60	55	54	48	61	55	6.8	7.6	7	7.7	55	50	NO	NO	YES
3	3_0075		Residential	G	S	53	47	60	55	54	48	61	55	6.9	7.8	7	7.7	55	50	NO	NO	YES
3	3_0076		Residential	G	S	53	47	60	54	53	48	60	55	6.7	7.6	6.9	7.6	55	50	NO	NO	YES
3	3_0077		Residential	G	S	53	47	59	54	53	47	60	55	6.7	7.6	6.9	7.7	55	50	NO	NO	YES
3	3_0078		Residential	G	S	53	47	59	54	53	47	60	55	6.8	7.7	7	7.7	55	50	NO	NO	YES
3	3_0079		Residential	G	S	52	46	59	54	53	47	60	55	7	7.9	7.2	8	55	50	NO	NO	YES
3	3_0080		Residential	G	S	52	46	59	54	53	47	60	55	6.7	7.5	6.8	7.6	55	50	NO	NO	YES
3	3_0081		Residential	G	S	54	48	63	58	55	49	63	58	8.2	9.3	8.4	9.2	55	50	NO	NO	YES
3	3_0082		Residential	G	S	55	49	63	58	56	50	64	59	7.9	8.9	8	8.9	55	50	NO	NO	YES
3	3_0083		Residential	G	S	54	48	63	58	55	49	63	58	8.4	9.5	8.6	9.6	55	50	NO	NO	YES
3	3_0083		Residential	1	S	56	50	64	59	57	51	64	59	7.4	8.5	7.6	8.4	55	50	NO	NO	YES
3	3_0084		Residential	G	S	55	49	63	58	56	50	63	58	7.6	8.5	7.8	8.6	55	50	NO	NO	YES
3	3_0085		Residential	G	S	55	49	63	57	56	50	63	58	7.3	8.2	7.5	8.2	55	50	NO	NO	YES
3	3_0086		Residential	G	S	55	49	62	57	55	49	63	58	7.5	8.4	7.6	8.5	55	50	NO	NO	YES
3	3_0087		Residential	G	S	56	50	62	57	56	51	63	58	6.6	7.3	6.8	7.4	55	50	NO	NO	YES
3	3_0088		Residential	G	S	57	51	62	57	57	52	63	58	5.5	6	5.8	6.1	55	50	NO	NO	YES
3	3_0089		Residential	G	S	57	52	62	57	57	52	62	57	4.6	4.8	4.8	5	55	50	NO	NO	YES
3	3_0090		Residential	G	S	56	51	59	54	56	51	59	54	2.8	2.7	2.9	2.9	55	50	NO	NO	YES
3	3_0091		Residential	G	S	54	49	59	54	55	50	59	54	4.3	4.5	4.5	4.7	55	50	NO	NO	YES
3	3_0092		Residential	G	S	54	48	59	54	54	49	60	55	5.3	5.8	5.5	5.9	55	50	NO	NO	YES
3	3_0093		Residential	G	S	53	48	59	54	54	48	60	55	5.6	6.3	5.9	6.4	55	50	NO	NO	YES
3	3_0094		Residential	G	S	53	47	59	54	53	48	60	55	5.9	6.7	6.2	6.8	55	50	NO	NO	YES
3	3_0095		Residential	G	S	53	47	59	54	53	48	60	55	6.2	6.9	6.3	6.9	55	50	NO	NO	YES
3	3_0096		Residential	G	S	53	47	59	54	53	48	60	55	6.3	7.1	6.5	7.1	55	50	NO	NO	YES
3	3_0097		Residential	G	S	53	47	59	54	53	48	60	55	6.3	7.2	6.6	7.2	55	50	NO	NO	YES
3	3_0098		Residential	G	S	55	49	63	58	56	50	63	58	7.4	8.5	7.6	8.4	55	50	NO	NO	YES
3	3_0099		Residential	G	E	59	54	57	52	59	55	58	53	-1.8	-2.5	-1.6	-2.4	55	50	NO	NO	NO
3	3_0099		Residential	G	W	52	47	55	50	53	47	56	51	2.7	3.3	2.7	3.2	55	50	NO	NO	YES
3	3_0100		Residential	G	E	59	55	58	53	60	56	58	53	-1.8	-2.6	-1.6	-2.4	55	50	NO	NO	NO
3	3_0100		Residential	G	S	52	47	56	51	53	48	56	51	3.2	3.2	3.4	3.3	55	50	NO	NO	YES
3	3_0101		Residential	G	E	59	55	58	53	59	55	58	53	-1.3	-2	-1	-1.8	55	50	NO	NO	NO
3	3_0101		Residential	G	S	53	48	56	51	54	49	57	52	3.1	2.9	3.3	3.1	55	50	NO	NO	YES
3	3_0102		Residential	G	E	59	55	59	54	60	56	59	54	-0.7	-1.4	-0.4	-1.2	55	50	NO	NO	NO
3	3_0102		Residential	G	S	55	51	58	53	56	51	59	54	2.9	2.4	3.1	2.6	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0103		Residential	G	E	58	54	60	55	59	54	61	56	1.6	1	1.9	1.2	55	50	NO	NO	YES
3	3_0104		Residential	G	S	56	50	61	56	56	51	62	56	5.1	5.4	5.3	5.6	55	50	NO	NO	YES
3	3_0105		Residential	G	S	54	48	59	54	54	48	60	55	5.3	6.2	5.5	6.3	55	50	NO	NO	YES
3	3_0106		Residential	G	S	54	48	59	54	54	48	60	55	5.9	6.8	6.1	6.8	55	50	NO	NO	YES
3	3_0106		Residential	1	S	56	50	61	56	56	51	62	57	5.7	6.4	5.8	6.5	55	50	NO	NO	YES
3	3_0107		Residential	G	S	54	48	60	55	55	49	61	56	6	7	6.2	7	55	50	NO	NO	YES
3	3_0108		Residential	G	S	53	47	59	54	54	48	60	55	5.9	7	6.1	7	55	50	NO	NO	YES
3	3_0109		Residential	G	S	54	48	60	55	55	49	61	56	5.8	6.8	6	6.9	55	50	NO	NO	YES
3	3_0110		Residential	G	S	54	48	60	54	54	48	60	55	5.8	6.8	5.9	6.9	55	50	NO	NO	YES
3	3_0111		Residential	G	S	54	48	60	55	55	49	61	56	6	7.2	6.2	7.1	55	50	NO	NO	YES
3	3_0112		Residential	G	S	54	48	60	55	54	48	60	55	5.8	6.9	5.9	7	55	50	NO	NO	YES
3	3_0113		Residential	G	S	54	48	60	55	55	49	61	56	5.9	7	6.1	7.1	55	50	NO	NO	YES
3	3_0114		Residential	G	S	54	48	60	55	55	49	61	56	6	7.2	6.2	7.2	55	50	NO	NO	YES
3	3_0115		Residential	G	S	55	48	60	55	55	49	61	56	5.9	7	6	7.1	55	50	NO	NO	YES
3	3_0116		Residential	G	S	54	48	59	54	54	48	60	55	5.6	6.8	5.7	6.9	55	50	NO	NO	YES
3	3_0117		Residential	G	S	55	48	60	55	55	49	61	56	5.9	7.1	6	7.1	55	50	NO	NO	YES
3	3_0118		Residential	G	S	55	48	60	55	55	49	61	56	5.8	7.1	6	7.2	55	50	NO	NO	YES
3	3_0119		Residential	G	S	54	48	60	55	55	49	61	56	5.9	7.1	5.9	7.1	55	50	NO	NO	YES
3	3_0120		Residential	G	S	55	48	60	55	55	49	61	56	5.8	7	6	7.1	55	50	NO	NO	YES
3	3_0121		Residential	G	S	54	47	59	54	54	48	60	55	5.7	7	5.9	7.1	55	50	NO	NO	YES
3	3_0122		Residential	G	S	53	47	59	54	54	47	60	55	6.3	7.7	6.4	7.9	55	50	NO	NO	YES
3	3_0122		Residential	1	S	56	49	61	56	56	50	62	57	5.6	6.9	5.7	7	55	50	NO	NO	YES
3	3_0123		Residential	G	S	50	44	57	52	51	44	58	53	7.2	8.7	7.4	8.7	55	50	NO	NO	YES
3	3_0123		Residential	1	S	55	49	61	55	56	49	61	56	5.5	6.8	5.6	7	55	50	NO	NO	YES
3	3_0124		Residential	G	S	54	47	60	55	54	48	61	56	6.4	7.7	6.6	7.8	55	50	NO	NO	YES
3	3_0125		Residential	G	S	49	43	56	51	50	44	56	51	6.4	7.6	6.5	7.6	55	50	NO	NO	YES
3	3_0125		Residential	1	S	53	47	59	54	53	47	60	54	6	7.1	6.1	7.2	55	50	NO	NO	YES
3	3_0126		Residential	G	W	52	45	54	49	52	46	54	49	2.2	3.3	2	3.2	55	50	NO	NO	NO
3	3_0127		Residential	G	W	52	45	55	50	53	46	55	50	3	4.1	2.8	4	55	50	NO	NO	NO
3	3_0128		Residential	G	W	52	46	55	49	53	46	55	50	2.6	3.7	2.5	3.6	55	50	NO	NO	NO
3	3_0129		Residential	G	E	54	49	57	52	54	49	58	53	3.2	3.2	3.2	3.3	55	50	NO	NO	YES
3	3_0130		Residential	G	E	54	49	57	52	54	49	58	53	3.4	3.5	3.4	3.5	55	50	NO	NO	YES
3	3_0131		Residential	G	E	54	48	57	52	54	49	58	53	3.4	3.5	3.6	3.5	55	50	NO	NO	YES
3	3_0132		Residential	G	S	51	46	57	52	52	46	58	53	6	6.7	6.1	6.7	55	50	NO	NO	YES
3	3_0132		Residential	1	S	54	49	60	55	55	49	61	56	5.6	6.2	5.7	6.3	55	50	NO	NO	YES
3	3_0133		Residential	G	S	52	47	58	53	53	47	59	54	6	6.8	6.2	7	55	50	NO	NO	YES
3	3_0134		Residential	G	S	52	46	58	53	53	47	59	54	6.2	7	6.3	6.9	55	50	NO	NO	YES
3	3_0135		Residential	G	S	52	47	59	54	53	47	59	54	6.1	7	6.3	6.9	55	50	NO	NO	YES
3	3_0136		Residential	G	S	53	47	59	54	53	47	59	54	6	6.9	6.2	6.9	55	50	NO	NO	YES
3	3_0137		Residential	G	S	53	47	59	54	53	47	59	54	6.1	7	6.3	7.1	55	50	NO	NO	YES
3	3_0138		Residential	G	S	52	46	59	54	53	47	59	54	6.1	7.1	6.2	7	55	50	NO	NO	YES
3	3_0139		Residential	G	S	52	46	59	54	53	47	59	54	6.3	7.3	6.6	7.4	55	50	NO	NO	YES
3	3_0139		Residential	1	S	54	48	60	55	55	49	61	56	5.9	7	6	6.9	55	50	NO	NO	YES
3	3_0140		Residential	G	S	53	46	59	54	53	47	60	55	6.3	7.5	6.5	7.4	55	50	NO	NO	YES
3	3_0141		Residential	G	S	52	46	59	54	53	47	59	54	6.4	7.4	6.5	7.3	55	50	NO	NO	YES
3	3_0142		Residential	G	S	52	46	59	54	53	47	59	54	6.4	7.4	6.5	7.3	55	50	NO	NO	YES
3	3_0143		Residential	G	S	52	46	58	53	52	46	59	54	6.5	7.6	6.6	7.6	55	50	NO	NO	YES
3	3_0144		Residential	G	S	52	46	58	53	52	46	59	54	6.3	7.4	6.5	7.5	55	50	NO	NO	YES
3	3_0145		Residential	G	S	52	46	58	53	52	46	59	53	6.2	7.3	6.3	7.2	55	50	NO	NO	YES
3	3_0146		Residential	G	S	51	45	57	52	52	46	58	53	6	7.1	6.2	7.2	55	50	NO	NO	YES
3	3_0147		Residential	G	S	51	45	57	52	52	46	58	53	5.9	6.9	5.9	6.8	55	50	NO	NO	YES
3	3_0148		Residential	G	S	51	45	56	51	51	45	57	52	5.7	6.7	5.9	6.6	55	50	NO	NO	YES
3	3_0149		Residential	G	W	51	45	54	49	52	46	55	50	3	4.1	2.8	3.9	55	50	NO	NO	NO
3	3_0150		Residential	G	W	51	45	54	49	52	45	54	49	2.9	3.9	2.8	3.9	55	50	NO	NO	NO
3	3_0151		Residential	G	E	52	46	54	49	53	47	55	50	2.1	2.7	2	2.7	55	50	NO	NO	NO
3	3_0152		Residential	G	S	50	44	55	50	50	44	55	50	5.1	6.1	5.2	6.2	55	50	NO	NO	NO
3	3_0153		Residential	G	S	50	44	55	50	51	45	56	51	5.1	6.2	5.2	6.2	55	50	NO	NO	YES
3	3_0154		Residential	G	W	53	46	57	52	53	47	58	52	4.2	5.4	4.1	5.4	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0155		Residential	G	W	53	47	58	53	54	48	58	53	4.4	5.7	4.4	5.7	55	50	NO	NO	YES
3	3_0156		Residential	G	S	54	48	61	55	55	49	61	56	6.1	7.3	6.2	7.5	55	50	NO	NO	YES
3	3_0157		Residential	G	S	50	44	56	51	51	44	57	52	5.9	7.3	6	7.3	55	50	NO	NO	YES
3	3_0157		Residential	1	S	54	47	59	54	54	48	59	54	5.3	6.5	5.4	6.7	55	50	NO	NO	YES
3	3_0158		Residential	G	S	50	44	56	50	51	45	56	51	5.2	6.4	5.3	6.6	55	50	NO	NO	YES
3	3_0159		Residential	G	W	52	45	56	50	52	46	56	51	4	5.3	4	5.2	55	50	NO	NO	YES
3	3_0160		Residential	G	S	51	44	56	51	51	45	56	51	5.2	6.3	5.3	6.4	55	50	NO	NO	YES
3	3_0161		Residential	G	SE	53	47	58	53	54	48	59	54	4.7	5.7	4.8	5.8	55	50	NO	NO	YES
3	3_0162		Residential	G	S	54	48	60	54	55	48	60	55	5.3	6.7	5.5	6.8	55	50	NO	NO	YES
3	3_0163		Residential	G	SW	54	48	60	55	55	49	61	56	5.5	6.9	5.7	7	55	50	NO	NO	YES
3	3_0164		Residential	G	SW	54	48	60	55	55	48	60	55	5.5	6.9	5.6	6.9	55	50	NO	NO	YES
3	3_0165		Residential	G	S	51	44	57	52	51	45	57	52	6	7.2	6.2	7.3	55	50	NO	NO	YES
3	3_0166		Residential	G	W	51	45	55	50	52	46	56	51	3.8	5.1	3.8	5	55	50	NO	NO	YES
3	3_0167		Residential	G	S	49	43	55	50	50	44	56	51	6.1	7.3	6.2	7.3	55	50	NO	NO	YES
3	3_0167		Residential	1	S	52	46	58	52	53	47	58	53	5.2	6.3	5.3	6.4	55	50	NO	NO	YES
3	3_0168		Residential	G	S	50	44	56	51	51	44	56	51	5.6	6.7	5.7	6.8	55	50	NO	NO	YES
3	3_0169		Residential	G	S	50	44	56	51	51	45	56	51	5.5	6.6	5.5	6.7	55	50	NO	NO	YES
3	3_0170		Residential	G	S	50	44	56	51	51	45	56	51	5.4	6.5	5.4	6.6	55	50	NO	NO	YES
3	3_0171		Residential	G	S	51	44	56	51	51	45	57	51	5.4	6.5	5.5	6.6	55	50	NO	NO	YES
3	3_0172		Residential	G	S	51	44	56	51	51	45	57	51	5.4	6.7	5.5	6.7	55	50	NO	NO	YES
3	3_0173		Residential	G	S	51	44	56	51	51	45	57	51	5.4	6.6	5.5	6.6	55	50	NO	NO	YES
3	3_0174		Residential	G	S	50	44	56	51	51	45	57	51	5.5	6.6	5.6	6.8	55	50	NO	NO	YES
3	3_0175		Residential	G	S	50	44	56	51	51	45	56	51	5.5	6.6	5.6	6.7	55	50	NO	NO	YES
3	3_0176		Residential	G	S	50	44	56	51	51	45	56	51	5.5	6.7	5.6	6.7	55	50	NO	NO	YES
3	3_0177		Residential	G	S	49	43	54	49	49	43	54	49	5	6	5	6	55	50	NO	NO	NO
3	3_0178		Residential	G	S	49	43	54	49	49	43	55	49	5.2	6.1	5.2	6.2	55	50	NO	NO	NO
3	3_0179		Residential	G	S	49	43	54	49	50	43	55	50	5.1	6	5.1	6.1	55	50	NO	NO	NO
3	3_0180		Residential	G	S	49	43	54	49	50	43	55	50	5.2	6.1	5.2	6.2	55	50	NO	NO	NO
3	3_0181		Residential	G	S	49	43	54	49	49	43	55	50	5.2	6.2	5.2	6.2	55	50	NO	NO	NO
3	3_0182		Residential	G	S	48	41	54	49	48	42	55	50	6.5	7.8	6.7	8	55	50	NO	NO	NO
3	3_0182		Residential	1	S	51	45	56	51	52	45	57	52	5.1	6.2	5.2	6.4	55	50	NO	NO	YES
3	3_0183		Residential	G	S	49	42	54	49	49	43	55	50	5.5	6.6	5.5	6.7	55	50	NO	NO	NO
3	3_0184		Residential	G	S	49	43	55	49	50	44	55	50	5.3	6.3	5.3	6.4	55	50	NO	NO	NO
3	3_0185		Residential	G	S	49	43	55	49	50	44	55	50	5.1	6.2	5.2	6.2	55	50	NO	NO	NO
3	3_0186		Residential	G	S	49	43	55	50	50	44	56	50	5.5	6.6	5.6	6.7	55	50	NO	NO	YES
3	3_0187		Residential	G	S	56	49	62	57	56	50	63	58	6.2	7.6	6.3	7.6	55	50	NO	NO	YES
3	3_0188		Residential	G	S	54	48	61	56	55	48	62	56	6.6	8.1	6.8	8.1	55	50	NO	NO	YES
3	3_0188		Residential	1	S	57	51	63	58	58	51	64	59	6.4	7.8	6.6	8	55	50	NO	NO	YES
3	3_0189		Residential	G	S	56	49	62	57	56	50	63	58	6.6	8	6.7	8	55	50	NO	NO	YES
3	3_0190		Residential	G	S	56	49	62	57	56	50	63	58	6.5	7.9	6.7	8.1	55	50	NO	NO	YES
3	3_0192		Residential	G	S	56	49	62	57	56	50	63	58	6.7	8.1	6.9	8.2	55	50	NO	NO	YES
3	3_0193		Residential	G	S	55	49	62	57	56	49	63	58	7	8.2	7.1	8.4	55	50	NO	NO	YES
3	3_0194		Residential	G	S	56	49	63	58	56	50	63	58	7.1	8.5	7.3	8.7	55	50	NO	NO	YES
3	3_0194		Residential	1	S	58	51	65	60	58	52	66	60	7.3	8.7	7.5	8.9	55	50	YES	YES	YES
3	3_0195		Residential	G	SE	55	48	62	57	55	49	63	58	7.2	8.5	7.4	8.7	55	50	NO	NO	YES
3	3_0196		Residential	G	S	50	44	57	51	51	44	57	52	6.3	7.6	6.5	7.7	55	50	NO	NO	YES
3	3_0196		Residential	1	S	54	48	60	55	55	48	61	55	5.8	7.2	5.9	7.2	55	50	NO	NO	YES
3	3_0197		Residential	G	S	51	45	58	52	52	45	58	53	6.3	7.6	6.5	7.8	55	50	NO	NO	YES
3	3_0198		Residential	G	S	51	45	58	53	52	46	59	53	6.5	7.7	6.6	7.8	55	50	NO	NO	YES
3	3_0199		Residential	G	S	52	45	58	53	52	46	59	54	6.5	7.8	6.6	7.9	55	50	NO	NO	YES
3	3_0200		Residential	G	S	52	46	58	53	53	46	59	54	6.3	7.4	6.4	7.6	55	50	NO	NO	YES
3	3_0201		Residential	G	S	52	46	58	53	53	46	59	54	6.2	7.4	6.3	7.6	55	50	NO	NO	YES
3	3_0202		Residential	G	S	53	47	59	54	53	47	60	54	5.9	7.2	6.1	7.3	55	50	NO	NO	YES
3	3_0203		Residential	G	S	53	47	59	54	54	47	60	55	6.2	7.4	6.3	7.6	55	50	NO	NO	YES
3	3_0204		Residential	G	SW	55	48	59	54	55	49	60	54	4.3	5.5	4.5	5.7	55	50	NO	NO	YES
3	3_0205		Residential	G	SW	56	49	60	55	56	49	61	55	4.6	5.8	4.8	6.1	55	50	NO	NO	YES
3	3_0206		Residential	G	SW	55	48	60	55	55	49	61	56	5.2	6.5	5.4	6.7	55	50	NO	NO	YES
3	3_0207		Residential	G	W	51	45	55	50	52	46	55	50	3.4	4.6	3.3	4.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0208		Residential	G	E	52	46	55	50	53	47	55	50	2.5	3.3	2.4	3.2	55	50	NO	NO	NO
3	3_0209		Residential	G	W	51	44	55	50	51	45	55	50	4.1	5.3	4.1	5.3	55	50	NO	NO	NO
3	3_0210		Residential	G	W	52	45	55	50	52	46	56	51	3.8	5	3.7	4.9	55	50	NO	NO	YES
3	3_0211		Residential	G	E	53	47	56	51	53	47	56	51	3	3.9	3	3.8	55	50	NO	NO	YES
3	3_0212		Residential	G	S	49	43	55	50	50	44	56	51	6	7	6.1	7.1	55	50	NO	NO	YES
3	3_0213		Residential	G	SW	51	44	56	50	52	45	56	51	4.7	6	4.7	6	55	50	NO	NO	YES
3	3_0214		Residential	G	SW	52	45	56	51	52	46	57	52	4.7	5.8	4.6	5.9	55	50	NO	NO	YES
3	3_0215		Residential	G	SE	51	45	56	51	52	46	57	51	4.8	5.6	4.9	5.7	55	50	NO	NO	YES
3	3_0216		Residential	G	S	50	44	56	51	51	44	57	52	6.2	7.2	6.2	7.4	55	50	NO	NO	YES
3	3_0217		Residential	G	S	50	44	56	51	50	44	57	52	6.2	7.2	6.3	7.3	55	50	NO	NO	YES
3	3_0218		Residential	G	SW	52	45	57	52	52	46	58	53	5.5	6.8	5.6	6.9	55	50	NO	NO	YES
3	3_0219		Residential	G	SW	51	45	57	51	52	46	57	52	5.2	6.4	5.2	6.4	55	50	NO	NO	YES
3	3_0220		Residential	G	SW	51	45	56	51	52	45	57	51	4.6	6	4.6	6	55	50	NO	NO	YES
3	3_0220		Residential	1	SW	55	49	59	54	56	49	60	55	3.9	5.2	4	5.4	55	50	NO	NO	YES
3	3_0221		Residential	G	S	50	43	55	50	50	44	56	51	5.6	6.7	5.7	6.8	55	50	NO	NO	YES
3	3_0222		Residential	G	S	52	45	57	52	52	46	58	52	5.3	6.5	5.6	6.7	55	50	NO	NO	YES
3	3_0223		Residential	G	SE	52	46	57	52	52	46	58	52	5	6.1	5.2	6.4	55	50	NO	NO	YES
3	3_0224		Residential	G	SW	57	50	60	54	57	51	60	55	2.7	3.7	2.9	4	55	50	NO	NO	YES
3	3_0225		Residential	G	SE	51	45	55	50	51	45	56	51	4.6	5.5	4.7	5.5	55	50	NO	NO	YES
3	3_0226		Residential	G	SE	51	45	56	51	52	45	56	51	4.6	5.6	4.7	5.7	55	50	NO	NO	YES
3	3_0227		Residential	G	SE	51	45	56	50	51	45	56	51	4.9	5.8	5	5.9	55	50	NO	NO	YES
3	3_0228		Residential	G	SE	50	44	55	50	50	44	56	51	5.7	6.8	6	7	55	50	NO	NO	YES
3	3_0228		Residential	1	SE	53	46	58	52	53	47	58	53	5	6	5.1	6.1	55	50	NO	NO	YES
3	3_0229		Residential	G	SE	51	45	56	51	51	45	56	51	4.8	5.9	5	6.1	55	50	NO	NO	YES
3	3_0230		Residential	G	SE	51	45	56	50	52	45	56	51	4.3	5.5	4.5	5.6	55	50	NO	NO	YES
3	3_0231		Residential	G	SE	52	45	56	51	52	46	56	51	4.2	5.3	4.5	5.6	55	50	NO	NO	YES
3	3_0232		Residential	G	SE	53	46	57	51	53	47	57	52	3.9	5.1	4.3	5.3	55	50	NO	NO	YES
3	3_0233		Residential	G	SE	54	47	57	52	54	48	58	52	3.2	4.4	3.5	4.6	55	50	NO	NO	YES
3	3_0234		Residential	G	NW	58	51	58	52	58	51	58	52	0.1	0.5	0	0.6	55	50	NO	NO	NO
3	3_0234		Residential	G	SE	54	48	57	52	55	48	58	52	3	4.1	3.3	4.4	55	50	NO	NO	YES
3	3_0235		Residential	G	SW	61	55	62	56	61	55	62	56	0.5	1.1	0.8	1.5	55	50	NO	NO	YES
3	3_0236		Residential	G	S	51	44	55	50	51	45	56	51	4.7	5.9	4.9	5.9	55	50	NO	NO	YES
3	3_0237		Residential	G	S	50	44	55	50	51	45	56	51	4.8	5.9	5	6	55	50	NO	NO	YES
3	3_0238		Residential	G	S	50	44	55	50	51	45	56	50	4.7	5.9	4.9	5.9	55	50	NO	NO	YES
3	3_0239		Residential	G	S	50	44	55	50	51	44	55	50	4.8	5.9	4.8	5.9	55	50	NO	NO	NO
3	3_0240		Residential	G	W	51	45	53	48	52	46	54	48	1.7	2.7	1.5	2.6	55	50	NO	NO	NO
3	3_0241		Residential	G	W	51	44	53	48	51	45	54	49	2.7	3.7	2.6	3.7	55	50	NO	NO	NO
3	3_0242		Residential	G	W	51	45	54	48	52	46	54	49	2.4	3.4	2.3	3.3	55	50	NO	NO	NO
3	3_0243		Residential	G	S	49	43	54	49	50	44	55	50	5.1	6	5.1	6.1	55	50	NO	NO	NO
3	3_0244		Residential	G	S	49	43	54	49	50	44	54	49	4.7	5.7	4.7	5.7	55	50	NO	NO	NO
3	3_0245		Residential	G	S	49	43	54	49	50	44	55	49	4.7	5.7	4.8	5.8	55	50	NO	NO	NO
3	3_0246		Residential	G	SW	51	44	55	49	52	45	55	50	3.7	4.9	3.7	4.8	55	50	NO	NO	NO
3	3_0247		Residential	G	SW	51	45	55	49	52	46	55	50	3.2	4.4	3.1	4.3	55	50	NO	NO	NO
3	3_0248		Residential	G	W	52	45	54	49	53	46	55	50	2.5	3.6	2.3	3.5	55	50	NO	NO	NO
3	3_0249		Residential	G	SW	51	45	54	49	52	46	55	50	2.9	4.1	2.8	4	55	50	NO	NO	NO
3	3_0250		Residential	G	S	50	44	54	49	51	44	55	49	4.1	5	4.2	5.1	55	50	NO	NO	NO
3	3_0251		Residential	G	W	52	46	54	49	53	47	55	50	1.9	2.9	1.8	2.8	55	50	NO	NO	NO
3	3_0252		Residential	G	W	52	45	54	49	52	46	55	49	2.4	3.4	2.3	3.4	55	50	NO	NO	NO
3	3_0253		Residential	G	W	53	47	54	49	54	47	55	50	1.3	2.4	1.1	2.3	55	50	NO	NO	NO
3	3_0254		Residential	G	W	53	46	54	48	53	47	54	49	0.9	2	0.8	1.8	55	50	NO	NO	NO
3	3_0255		Residential	G	E	51	45	53	48	52	46	54	49	2.2	2.9	2.1	2.8	55	50	NO	NO	NO
3	3_0256		Residential	G	SW	52	46	54	49	53	47	55	49	1.8	3	1.7	2.9	55	50	NO	NO	NO
3	3_0257		Residential	G	SE	51	45	54	48	51	45	54	49	2.7	3.4	2.8	3.4	55	50	NO	NO	NO
3	3_0258		Residential	G	SW	53	46	55	49	54	47	55	50	1.7	2.8	1.6	2.8	55	50	NO	NO	NO
3	3_0259		Residential	G	SW	53	46	55	49	53	47	55	50	2.1	3	2.1	3.1	55	50	NO	NO	NO
3	3_0260		Residential	G	SE	53	46	55	50	53	47	56	51	2.6	3.5	2.8	3.8	55	50	NO	NO	YES
3	3_0261		Residential	G	SE	52	46	55	50	53	47	55	50	2.6	3.4	2.7	3.5	55	50	NO	NO	NO
3	3_0262		Residential	G	SW	52	46	54	49	53	46	55	50	2.1	3.2	2	3.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0263		Residential	G	SW	53	46	54	49	53	47	55	49	1.6	2.7	1.3	2.5	55	50	NO	NO	NO
3	3_0264		Residential	G	SW	51	45	53	48	52	45	53	48	1.6	2.8	1.5	2.6	55	50	NO	NO	NO
3	3_0265		Residential	G	SW	53	46	54	48	54	47	54	49	1	2.1	0.7	1.9	55	50	NO	NO	NO
3	3_0266		Residential	G	SW	53	46	54	48	53	47	54	49	1.2	2.3	1	2.1	55	50	NO	NO	NO
3	3_0267		Residential	G	SW	53	47	54	49	54	47	55	49	1.1	2.3	0.9	2	55	50	NO	NO	NO
3	3_0268		Residential	G	SE	52	46	54	49	52	46	55	50	2.7	3.3	2.7	3.4	55	50	NO	NO	NO
3	3_0269		Residential	G	SW	52	45	53	48	52	46	54	48	1.7	2.9	1.6	2.7	55	50	NO	NO	NO
3	3_0269		Residential	1	SW	55	48	56	51	56	49	57	51	1.2	2.2	1	2.1	55	50	NO	NO	YES
3	3_0270		Residential	G	SW	53	47	55	49	54	47	55	50	1.7	2.7	1.7	2.7	55	50	NO	NO	NO
3	3_0271		Residential	G	SW	53	47	55	49	54	47	55	50	1.8	2.7	1.7	2.8	55	50	NO	NO	NO
3	3_0272		Residential	G	SW	54	47	55	49	54	48	56	50	1.4	2.3	1.5	2.5	55	50	NO	NO	NO
3	3_0273		Residential	G	SW	54	47	55	49	54	48	55	50	1.3	2.2	1.3	2.3	55	50	NO	NO	NO
3	3_0274		Residential	G	SE	54	48	56	50	54	48	57	51	1.9	2.7	2.1	3	55	50	NO	NO	YES
3	3_0275		Residential	G	E	58	54	57	52	59	54	57	52	-1.5	-1.9	-1.5	-1.9	55	50	NO	NO	NO
3	3_0276		Residential	G	E	58	54	57	52	59	54	57	52	-1.5	-1.9	-1.5	-1.9	55	50	NO	NO	NO
3	3_0277		Residential	G	E	58	53	57	52	59	54	57	52	-1.1	-1.5	-1.2	-1.7	55	50	NO	NO	NO
3	3_0277		Residential	G	S	52	47	55	50	53	48	56	51	2.9	2.8	3	2.6	55	50	NO	NO	YES
3	3_0278		Residential	G	E	57	52	56	51	57	53	57	52	-0.3	-0.8	-0.3	-0.8	55	50	NO	NO	NO
3	3_0278		Residential	G	S	52	47	55	50	53	48	56	51	3.2	3.2	3.3	3.1	55	50	NO	NO	YES
3	3_0279		Residential	G	W	55	50	57	52	55	50	58	53	2.6	2.5	2.6	2.6	55	50	NO	NO	YES
3	3_0280		Residential	G	W	54	49	57	52	55	50	58	53	2.9	2.8	2.9	2.9	55	50	NO	NO	YES
3	3_0281		Residential	G	W	54	49	58	53	55	50	58	53	3.3	3.3	3.4	3.4	55	50	NO	NO	YES
3	3_0282		Residential	G	W	54	49	58	53	55	50	58	53	3.6	3.8	3.8	3.8	55	50	NO	NO	YES
3	3_0283		Residential	G	W	54	49	58	53	55	49	59	54	4.4	4.8	4.5	4.8	55	50	NO	NO	YES
3	3_0284		Residential	G	E	55	49	59	54	55	50	60	55	4.3	4.5	4.5	4.4	55	50	NO	NO	YES
3	3_0285		Residential	G	E	54	49	59	54	55	50	60	55	4.8	5.1	5	5.1	55	50	NO	NO	YES
3	3_0286		Residential	G	W	55	50	57	52	55	50	58	53	2.4	2.4	2.4	2.4	55	50	NO	NO	YES
3	3_0287		Residential	G	W	54	49	56	51	55	50	57	52	1.7	1.4	1.8	1.5	55	50	NO	NO	NO
3	3_0287		Residential	G	S	52	47	55	50	52	47	56	51	3.3	3.2	3.3	3.2	55	50	NO	NO	YES
3	3_0288		Residential	G	W	55	50	56	51	56	51	57	52	0.8	0.6	0.9	0.6	55	50	NO	NO	NO
3	3_0289		Residential	G	SE	56	51	55	50	56	52	56	51	-0.5	-0.9	-0.4	-0.9	55	50	NO	NO	NO
3	3_0290		Residential	G	W	53	48	57	52	54	48	58	53	4.1	4.4	4.1	4.4	55	50	NO	NO	YES
3	3_0291		Residential	G	SW	53	48	58	53	54	49	59	54	4.8	5.2	4.9	5.2	55	50	NO	NO	YES
3	3_0292		Residential	G	SE	52	47	57	52	53	47	58	53	4.9	5.2	5	5.3	55	50	NO	NO	YES
3	3_0293		Residential	G	SW	54	48	58	53	54	49	58	53	4.1	4.3	4.1	4.3	55	50	NO	NO	YES
3	3_0294		Residential	G	S	52	47	58	53	53	47	59	54	5.8	6.4	6	6.5	55	50	NO	NO	YES
3	3_0295		Residential	G	S	52	47	58	53	53	47	59	54	5.8	6.2	5.9	6.3	55	50	NO	NO	YES
3	3_0296		Residential	G	S	52	47	58	53	53	47	59	54	6.1	6.7	6.2	6.6	55	50	NO	NO	YES
3	3_0297		Residential	G	S	53	47	58	53	53	48	59	54	5.7	6.3	5.9	6.3	55	50	NO	NO	YES
3	3_0298		Residential	G	S	53	47	59	53	53	48	59	54	5.8	6.4	5.9	6.4	55	50	NO	NO	YES
3	3_0299		Residential	G	S	52	47	58	53	53	47	59	54	5.8	6.3	6	6.4	55	50	NO	NO	YES
3	3_0300		Residential	G	S	52	46	57	52	52	47	58	53	5.3	5.8	5.5	5.9	55	50	NO	NO	YES
3	3_0301		Residential	G	S	52	46	58	52	52	47	58	53	5.6	6.2	5.7	6.3	55	50	NO	NO	YES
3	3_0302		Residential	G	SE	52	46	57	52	52	47	58	53	5.5	6.1	5.7	6.1	55	50	NO	NO	YES
3	3_0303		Residential	G	SW	53	48	58	53	54	49	58	53	4.2	4.5	4.3	4.6	55	50	NO	NO	YES
3	3_0304		Residential	G	S	52	46	57	52	52	47	58	53	5.4	5.9	5.6	5.9	55	50	NO	NO	YES
3	3_0305		Residential	G	S	52	46	57	52	52	47	58	53	5.6	6.1	5.6	6	55	50	NO	NO	YES
3	3_0306		Residential	G	S	52	46	58	52	52	47	58	53	5.6	6.1	5.7	6.1	55	50	NO	NO	YES
3	3_0307		Residential	G	S	52	46	58	52	52	47	58	53	5.8	6.4	6	6.5	55	50	NO	NO	YES
3	3_0308		Residential	G	S	52	46	58	53	52	47	58	53	5.9	6.5	6.1	6.6	55	50	NO	NO	YES
3	3_0309		Residential	G	S	52	46	58	53	52	47	58	53	5.9	6.6	6	6.5	55	50	NO	NO	YES
3	3_0310		Residential	G	S	52	46	58	53	52	47	58	53	6	6.6	6.1	6.6	55	50	NO	NO	YES
3	3_0311		Residential	G	S	51	45	56	51	51	46	57	52	5.6	6.1	5.7	6.2	55	50	NO	NO	YES
3	3_0312		Residential	G	W	53	47	56	51	53	48	57	52	3.4	3.6	3.4	3.7	55	50	NO	NO	YES
3	3_0313		Residential	G	SE	51	46	56	51	52	47	56	51	4.3	4.5	4.5	4.4	55	50	NO	NO	YES
3	3_0313		Residential	1	SE	53	48	59	54	54	48	60	55	5.9	6.5	6.1	6.5	55	50	NO	NO	YES
3	3_0314		Residential	G	S	51	45	55	50	51	46	56	51	4.6	5	4.8	5	55	50	NO	NO	YES
3	3_0315		Residential	G	S	51	46	56	51	52	46	57	52	4.8	5.3	5	5.3	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0316		Residential	G	SE	51	46	55	50	52	47	56	51	4	4.2	4.2	4.2	55	50	NO	NO	YES
3	3_0317		Residential	G	S	50	45	55	50	51	46	56	51	4.7	5.1	4.9	5.2	55	50	NO	NO	YES
3	3_0318		Residential	G	E	52	47	55	50	53	48	56	50	2.6	2.5	2.7	2.4	55	50	NO	NO	YES
3	3_0319		Residential	G	SE	52	46	57	52	52	47	58	52	5	5.3	5.2	5.3	55	50	NO	NO	YES
3	3_0320		Residential	G	S	52	46	56	51	52	47	57	52	4.9	5.3	5	5.2	55	50	NO	NO	YES
3	3_0321		Residential	G	S	51	46	56	51	52	46	57	51	4.7	5	4.9	5	55	50	NO	NO	YES
3	3_0322		Residential	G	S	50	44	56	51	50	45	56	51	5.9	6.7	6.1	6.6	55	50	NO	NO	YES
3	3_0322		Residential	1	S	53	47	58	53	53	48	59	54	5.3	5.8	5.3	5.8	55	50	NO	NO	YES
3	3_0323		Residential	G	S	51	46	56	51	52	46	57	52	5	5.4	5.1	5.3	55	50	NO	NO	YES
3	3_0324		Residential	G	S	51	46	56	51	52	47	57	52	5	5.5	5.2	5.4	55	50	NO	NO	YES
3	3_0325		Residential	G	W	54	49	56	51	54	49	56	51	1.8	2	1.8	2	55	50	NO	NO	NO
3	3_0326	Decora Family Day Care	Childcare Sleeping	G	W	53	48	55	50	54	49	56	51	1.7	1.8	1.7	1.9	45	-	NO	-	YES
3	3_0327		Residential	G	S	48	43	54	49	49	43	55	50	5.7	6.2	5.8	6.2	55	50	NO	NO	NO
3	3_0327		Residential	1	S	52	47	57	52	53	48	58	53	4.9	5.3	5.1	5.3	55	50	NO	NO	YES
3	3_0328		Residential	G	S	50	45	53	48	51	46	54	49	3.1	3.1	3.2	3.1	55	50	NO	NO	NO
3	3_0329		Residential	G	S	51	45	54	49	51	46	55	50	3.7	3.8	3.8	3.8	55	50	NO	NO	NO
3	3_0330		Residential	G	SE	51	46	54	49	52	47	55	50	3.1	3.1	3.3	3.1	55	50	NO	NO	NO
3	3_0331		Residential	G	E	53	49	55	50	54	49	56	50	1.4	1.1	1.5	1.1	55	50	NO	NO	NO
3	3_0332		Residential	G	S	51	46	54	49	52	47	55	50	3.1	3.1	3.2	3.1	55	50	NO	NO	NO
3	3_0333		Residential	G	W	54	49	55	50	55	50	56	51	0.8	0.8	0.8	0.9	55	50	NO	NO	NO
3	3_0334		Residential	G	W	54	50	55	50	55	50	55	50	0.4	0.3	0.4	0.4	55	50	NO	NO	NO
3	3_0335		Residential	G	NE	55	50	54	49	55	51	54	50	-0.9	-1.2	-0.9	-1.3	55	50	NO	NO	NO
3	3_0336		Residential	G	SW	53	48	57	52	54	49	58	53	3.9	4.1	3.9	4.2	55	50	NO	NO	YES
3	3_0337		Residential	G	S	52	46	57	52	52	47	58	53	5.5	6	5.7	6.1	55	50	NO	NO	YES
3	3_0338		Residential	G	S	51	46	57	52	52	47	57	52	5.4	5.8	5.5	5.7	55	50	NO	NO	YES
3	3_0339		Residential	G	S	52	46	57	52	52	47	57	52	5.1	5.5	5.2	5.5	55	50	NO	NO	YES
3	3_0340		Residential	G	S	52	46	57	52	53	47	58	53	5.1	5.5	5.1	5.4	55	50	NO	NO	YES
3	3_0341		Residential	G	S	52	46	57	52	52	47	58	52	5	5.4	5.1	5.3	55	50	NO	NO	YES
3	3_0342		Residential	G	S	52	46	57	52	52	47	57	52	4.8	5.2	4.9	5.2	55	50	NO	NO	YES
3	3_0343		Residential	G	S	52	46	56	51	52	47	57	52	4.8	5.1	4.9	5.1	55	50	NO	NO	YES
3	3_0344		Residential	G	S	52	46	56	51	52	47	57	52	4.5	4.8	4.6	4.8	55	50	NO	NO	YES
3	3_0345		Residential	G	S	52	47	57	52	52	47	58	52	5	5.3	5.1	5.3	55	50	NO	NO	YES
3	3_0346		Residential	G	S	52	47	57	52	53	47	58	53	4.9	5.2	5	5.2	55	50	NO	NO	YES
3	3_0347		Residential	G	SW	53	48	57	52	54	48	58	53	4.1	4.4	4.3	4.4	55	50	NO	NO	YES
3	3_0348		Residential	G	S	52	47	57	52	52	47	57	52	4.7	5	4.9	5	55	50	NO	NO	YES
3	3_0349		Residential	G	W	53	48	57	51	54	49	57	52	3.4	3.5	3.4	3.6	55	50	NO	NO	YES
3	3_0350		Residential	G	S	50	44	55	50	50	45	56	51	5.2	5.6	5.3	5.5	55	50	NO	NO	YES
3	3_0350		Residential	1	S	54	49	58	53	54	49	59	54	4.3	4.6	4.5	4.5	55	50	NO	NO	YES
3	3_0351		Residential	G	S	51	45	57	51	51	45	57	52	6	6.8	6.1	6.9	55	50	NO	NO	YES
3	3_0351		Residential	1	S	54	49	58	53	55	49	59	54	4	4.6	4.1	4.5	55	50	NO	NO	YES
3	3_0352		Residential	G	S	53	47	57	52	53	48	58	53	4.7	5	4.8	4.9	55	50	NO	NO	YES
3	3_0353		Residential	G	S	52	47	57	52	53	48	58	53	4.6	4.8	4.8	4.8	55	50	NO	NO	YES
3	3_0354		Residential	G	S	53	47	57	52	53	48	58	53	4.9	5.3	5.1	5.3	55	50	NO	NO	YES
3	3_0355		Residential	G	S	52	47	57	52	53	48	58	53	4.6	4.9	4.7	4.9	55	50	NO	NO	YES
3	3_0356		Residential	G	S	52	47	57	52	53	48	58	53	5.2	5.5	5.3	5.5	55	50	NO	NO	YES
3	3_0357		Residential	G	S	52	47	57	52	53	48	58	52	4.7	4.9	4.8	4.9	55	50	NO	NO	YES
3	3_0358		Residential	G	S	52	47	57	52	53	47	57	52	4.7	5	4.8	4.9	55	50	NO	NO	YES
3	3_0359		Residential	G	S	52	47	57	52	53	47	57	52	4.5	4.8	4.6	4.7	55	50	NO	NO	YES
3	3_0360		Residential	G	S	52	46	56	51	52	47	57	52	4.4	4.7	4.5	4.7	55	50	NO	NO	YES
3	3_0361		Residential	G	S	52	46	56	51	52	47	57	52	4.4	4.7	4.5	4.6	55	50	NO	NO	YES
3	3_0362		Residential	G	S	52	46	56	51	52	47	57	52	4.7	5	4.9	5	55	50	NO	NO	YES
3	3_0363		Residential	G	SW	53	47	57	51	53	48	57	52	3.9	4.5	3.9	4.4	55	50	NO	NO	YES
3	3_0364		Residential	G	SW	54	49	57	52	55	49	58	53	3.2	3.3	3.2	3.4	55	50	NO	NO	YES
3	3_0365		Residential	G	S	49	43	55	50	49	44	55	50	6	6.5	6.1	6.5	55	50	NO	NO	NO
3	3_0365		Residential	1	S	53	47	58	53	53	48	59	53	5.1	5.5	5.2	5.4	55	50	NO	NO	YES
3	3_0366		Residential	G	S	51	46	56	51	52	47	56	51	4.3	4.4	4.4	4.5	55	50	NO	NO	YES
3	3_0367		Residential	G	W	51	46	55	50	52	47	55	50	3.4	3.4	3.4	3.5	55	50	NO	NO	NO
3	3_0368		Residential	G	S	51	46	55	50	52	47	55	50	3.5	3.6	3.7	3.7	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0369		Residential	G	S	51	46	55	50	52	47	56	50	3.6	3.6	3.7	3.7	55	50	NO	NO	YES
3	3_0370		Residential	G	S	51	46	56	50	52	46	56	51	4.5	4.7	4.6	4.8	55	50	NO	NO	YES
3	3_0371		Residential	G	S	50	44	55	50	51	45	56	51	5.3	5.9	5.5	5.8	55	50	NO	NO	YES
3	3_0371		Residential	1	S	53	48	58	53	54	49	59	54	4.6	4.9	4.7	4.9	55	50	NO	NO	YES
3	3_0372		Residential	G	S	52	47	56	50	52	47	56	51	3.7	3.8	3.8	3.8	55	50	NO	NO	YES
3	3_0373		Residential	G	W	54	49	55	50	55	49	56	51	1.2	1.2	1.2	1.3	55	50	NO	NO	NO
3	3_0374		Residential	G	SW	54	48	56	51	54	49	57	52	2.6	2.7	2.6	2.7	55	50	NO	NO	YES
3	3_0375		Residential	G	SW	54	48	57	52	54	49	58	52	3.3	3.5	3.4	3.5	55	50	NO	NO	YES
3	3_0376		Residential	G	SW	53	47	56	51	53	48	57	52	3.8	3.9	3.9	4	55	50	NO	NO	YES
3	3_0377		Residential	G	S	53	47	56	51	53	48	56	51	3.2	3.3	3.3	3.3	55	50	NO	NO	YES
3	3_0378		Residential	G	S	52	47	56	51	53	48	57	51	3.5	3.6	3.6	3.5	55	50	NO	NO	YES
3	3_0379		Residential	G	S	52	47	56	51	53	48	57	52	3.7	3.8	3.9	3.9	55	50	NO	NO	YES
3	3_0380		Residential	G	SE	53	48	56	51	53	48	57	52	3.5	3.6	3.6	3.5	55	50	NO	NO	YES
3	3_0381		Residential	G	S	53	47	56	51	53	48	57	52	3.9	3.9	4	4	55	50	NO	NO	YES
3	3_0382		Residential	G	S	52	47	56	51	52	47	57	52	4.2	4.2	4.2	4.3	55	50	NO	NO	YES
3	3_0383		Residential	G	SE	52	47	56	51	53	48	56	51	3.5	3.6	3.6	3.5	55	50	NO	NO	YES
3	3_0384		Residential	G	S	52	47	55	50	52	47	56	51	3.5	3.6	3.7	3.7	55	50	NO	NO	YES
3	3_0385		Residential	G	S	52	46	55	50	52	47	56	51	3.9	4	3.9	3.9	55	50	NO	NO	YES
3	3_0386		Residential	G	S	52	47	55	50	53	48	56	51	3.2	3.4	3.2	3.4	55	50	NO	NO	YES
3	3_0387		Residential	G	W	54	49	55	50	54	49	56	51	1.5	1.7	1.5	1.6	55	50	NO	NO	NO
3	3_0387		Residential	G	SW	51	46	55	50	52	47	56	51	3.9	4	4	4.1	55	50	NO	NO	YES
3	3_0388		Residential	G	W	54	49	55	50	55	49	56	51	1.4	1.6	1.3	1.6	55	50	NO	NO	NO
3	3_0389		Residential	G	W	54	48	55	50	54	49	55	50	1.1	1.3	1	1.4	55	50	NO	NO	NO
3	3_0390		Residential	G	W	54	49	54	49	55	50	55	50	0.2	0.2	0.1	0.1	55	50	NO	NO	NO
3	3_0391		Residential	G	S	52	47	55	49	52	47	55	50	2.9	2.8	2.9	2.8	55	50	NO	NO	NO
3	3_0392		Residential	G	S	52	47	54	49	52	47	55	50	2.7	2.6	2.7	2.6	55	50	NO	NO	NO
3	3_0393		Residential	G	S	52	47	55	50	53	48	56	51	2.7	2.9	2.7	2.8	55	50	NO	NO	YES
3	3_0394		Residential	G	S	52	47	55	50	53	48	56	51	2.8	2.7	2.8	2.7	55	50	NO	NO	YES
3	3_0395		Residential	G	S	53	48	56	50	53	48	56	51	3	2.9	3.1	2.9	55	50	NO	NO	YES
3	3_0396		Residential	G	S	53	48	56	51	54	49	57	52	2.9	2.8	3	2.8	55	50	NO	NO	YES
3	3_0397		Residential	G	W	55	51	55	50	56	51	56	51	0	-0.1	-0.1	-0.1	55	50	NO	NO	NO
3	3_0397		Residential	G	S	53	48	55	50	53	48	56	51	2.8	2.7	2.8	2.8	55	50	NO	NO	YES
3	3_0398		Residential	G	S	53	48	55	50	53	48	55	50	2.1	1.9	2.1	1.8	55	50	NO	NO	NO
3	3_0399		Residential	G	S	53	48	55	50	54	49	56	51	2.1	1.9	2.1	1.9	55	50	NO	NO	YES
3	3_0400		Residential	G	S	53	48	55	50	53	48	56	50	2.2	2.1	2.2	2	55	50	NO	NO	YES
3	3_0401		Residential	G	E	55	51	55	50	56	51	55	50	-0.8	-1.2	-0.7	-1.2	55	50	NO	NO	NO
3	3_0402		Residential	G	E	56	51	54	50	56	52	55	50	-1.4	-1.7	-1.4	-1.7	55	50	NO	NO	NO
3	3_0403		Residential	G	W	55	51	54	49	56	51	55	50	-0.8	-1.1	-0.7	-1.1	55	50	NO	NO	NO
3	3_0404		Residential	G	N	58	53	54	50	58	54	55	50	-3.6	-3.8	-3.7	-3.9	55	50	NO	NO	NO
3	3_0405		Residential	G	NW	56	51	54	49	56	52	55	50	-1.6	-1.8	-1.6	-1.9	55	50	NO	NO	NO
3	3_0406		Residential	G	NE	57	53	54	49	58	53	54	50	-3.3	-3.6	-3.3	-3.6	55	50	NO	NO	NO
3	3_0407		Residential	G	S	50	44	56	51	50	45	57	52	6.1	6.9	6.2	7	55	50	NO	NO	YES
3	3_0408		Residential	G	S	50	44	56	51	50	44	57	52	6.6	7.6	6.7	7.4	55	50	NO	NO	YES
3	3_0408		Residential	1	S	54	48	61	56	54	48	61	56	7.1	8	7.3	8	55	50	NO	NO	YES
3	3_0409		Residential	G	S	51	45	57	51	51	46	57	52	5.9	6.6	6.1	6.6	55	50	NO	NO	YES
3	3_0410		Residential	G	S	51	45	57	52	51	46	57	52	5.7	6.3	5.9	6.3	55	50	NO	NO	YES
3	3_0411		Residential	G	S	51	45	56	51	51	46	57	52	5.6	6.2	5.8	6.3	55	50	NO	NO	YES
3	3_0412		Residential	G	S	51	45	56	51	52	46	57	52	5.3	5.8	5.4	5.7	55	50	NO	NO	YES
3	3_0413		Residential	G	SE	52	46	57	52	52	47	58	53	5.5	6.1	5.6	6	55	50	NO	NO	YES
3	3_0414		Residential	G	SE	51	46	57	51	52	46	57	52	5.3	5.8	5.4	5.7	55	50	NO	NO	YES
3	3_0415		Residential	G	S	52	46	57	52	52	47	58	53	5.6	6.3	5.8	6.3	55	50	NO	NO	YES
3	3_0416		Residential	G	S	52	46	58	53	53	47	58	53	5.7	6.4	5.8	6.3	55	50	NO	NO	YES
3	3_0417		Residential	G	S	52	46	57	52	52	47	58	53	5.4	5.9	5.5	5.9	55	50	NO	NO	YES
3	3_0418		Residential	G	S	51	46	57	52	52	46	58	52	5.5	6	5.6	6.1	55	50	NO	NO	YES
3	3_0419		Residential	G	S	51	46	57	52	52	46	58	52	5.4	6	5.5	6	55	50	NO	NO	YES
3	3_0420		Residential	G	S	52	46	57	52	52	47	58	52	5.4	6	5.5	5.9	55	50	NO	NO	YES
3	3_0421		Residential	G	S	51	46	57	52	52	46	58	52	5.4	5.9	5.6	6	55	50	NO	NO	YES
3	3_0422		Residential	G	S	51	46	57	52	52	46	58	53	5.8	6.4	5.9	6.4	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0423		Residential	G	S	51	45	57	52	51	46	58	53	6.2	6.9	6.3	6.9	55	50	NO	NO	YES
3	3_0423		Residential	1	S	54	48	60	54	54	49	60	55	5.9	6.5	6.1	6.6	55	50	NO	NO	YES
3	3_0424		Residential	G	S	52	47	57	52	53	47	58	53	5.3	5.7	5.4	5.7	55	50	NO	NO	YES
3	3_0425		Residential	G	S	53	47	57	52	53	48	58	53	4.4	4.6	4.6	4.7	55	50	NO	NO	YES
3	3_0426		Residential	G	S	53	48	57	52	54	49	57	52	3.3	3.3	3.5	3.5	55	50	NO	NO	YES
3	3_0427		Residential	G	S	55	50	56	51	55	51	57	52	1.3	1	1.5	1.1	55	50	NO	NO	NO
3	3_0428		Residential	G	S	57	52	57	52	57	53	58	53	0.2	-0.3	0.4	0	55	50	NO	NO	NO
3	3_0428		Residential	G	S	53	47	56	51	53	48	56	51	3.2	3.3	3.5	3.4	55	50	NO	NO	YES
3	3_0428		Residential	1	S	58	53	60	55	58	53	61	56	2.6	2.4	2.8	2.6	55	50	NO	NO	YES
3	3_0429		Residential	G	S	52	47	57	52	53	47	58	52	4.9	5.3	5	5.3	55	50	NO	NO	YES
3	3_0430		Residential	G	S	52	46	57	52	52	47	58	53	5.4	5.9	5.6	6	55	50	NO	NO	YES
3	3_0431		Residential	G	S	52	46	57	52	52	47	58	53	5.4	6	5.5	5.9	55	50	NO	NO	YES
3	3_0432		Residential	G	S	52	46	57	52	52	47	58	53	5.5	6.1	5.6	6	55	50	NO	NO	YES
3	3_0433		Residential	G	S	51	45	56	51	51	46	57	52	5.4	6	5.6	6.1	55	50	NO	NO	YES
3	3_0434		Residential	G	S	51	45	56	51	51	46	57	52	5.7	6.3	5.7	6.2	55	50	NO	NO	YES
3	3_0435		Residential	G	S	51	45	56	51	51	46	57	52	5.4	5.9	5.5	6	55	50	NO	NO	YES
3	3_0436		Residential	G	W	53	48	56	51	54	48	56	51	2.8	3.1	2.8	3.1	55	50	NO	NO	YES
3	3_0437		Residential	G	E	52	47	55	50	53	48	56	51	3.1	3	3.1	3	55	50	NO	NO	YES
3	3_0438		Residential	G	S	51	45	56	50	51	46	56	51	4.9	5.3	4.9	5.2	55	50	NO	NO	YES
3	3_0439		Residential	G	S	51	45	56	51	51	46	56	51	5.1	5.5	5.1	5.5	55	50	NO	NO	YES
3	3_0440		Residential	G	S	51	45	56	51	51	46	57	52	5.1	5.5	5.2	5.5	55	50	NO	NO	YES
3	3_0441		Residential	G	S	51	45	56	51	51	46	57	52	5.1	5.5	5.3	5.6	55	50	NO	NO	YES
3	3_0442		Residential	G	S	52	46	57	52	52	47	58	52	5.3	5.7	5.3	5.6	55	50	NO	NO	YES
3	3_0443		Residential	G	S	51	46	57	51	52	47	57	52	5.1	5.5	5.2	5.6	55	50	NO	NO	YES
3	3_0444		Residential	G	S	51	46	56	51	52	46	57	52	5	5.4	5.1	5.4	55	50	NO	NO	YES
3	3_0445		Residential	G	S	50	44	56	51	50	45	57	52	6.2	7	6.4	6.8	55	50	NO	NO	YES
3	3_0445		Residential	1	S	53	47	58	53	53	48	59	54	5.5	6.1	5.7	6.1	55	50	NO	NO	YES
3	3_0446		Residential	G	E	53	48	56	51	54	49	56	51	2.6	2.6	2.8	2.5	55	50	NO	NO	YES
3	3_0447		Residential	G	SE	52	46	56	51	52	47	57	52	4.5	4.8	4.5	4.7	55	50	NO	NO	YES
3	3_0448		Residential	G	S	52	46	56	51	52	47	56	51	4.3	4.5	4.4	4.5	55	50	NO	NO	YES
3	3_0449		Residential	G	S	52	46	56	51	52	47	56	51	4.1	4.2	4.1	4.3	55	50	NO	NO	YES
3	3_0450		Residential	G	S	52	47	56	51	53	47	57	52	4.1	4.4	4.2	4.4	55	50	NO	NO	YES
3	3_0451		Residential	G	S	53	48	56	51	54	49	57	52	2.9	2.8	3	3	55	50	NO	NO	YES
3	3_0452		Residential	G	S	55	51	56	51	56	51	57	52	0.9	0.6	1.2	0.8	55	50	NO	NO	NO
3	3_0453		Residential	G	S	56	51	55	50	56	52	56	51	-0.7	-1.2	-0.5	-1	55	50	NO	NO	NO
3	3_0454		Residential	G	S	51	45	55	49	51	46	55	50	4	4.3	4.2	4.3	55	50	NO	NO	NO
3	3_0455		Residential	G	S	51	45	55	50	51	46	55	50	4.1	4.2	4.2	4.3	55	50	NO	NO	NO
3	3_0456		Residential	G	S	50	45	55	49	51	45	55	50	4.4	4.6	4.4	4.7	55	50	NO	NO	NO
3	3_0457		Residential	G	S	51	45	55	50	51	46	55	50	4.3	4.7	4.4	4.7	55	50	NO	NO	NO
3	3_0458		Residential	G	S	51	45	56	51	51	46	57	52	5.3	5.7	5.4	5.7	55	50	NO	NO	YES
3	3_0459		Residential	G	S	51	45	56	51	51	46	57	52	5.3	5.8	5.5	5.9	55	50	NO	NO	YES
3	3_0460		Residential	G	E	52	47	55	50	53	48	56	51	3.1	3	3.2	3	55	50	NO	NO	YES
3	3_0461		Residential	G	E	52	47	56	51	53	48	57	52	3.8	3.9	3.9	3.9	55	50	NO	NO	YES
3	3_0462		Residential	G	W	53	48	54	49	54	49	55	50	0.7	0.9	0.7	0.9	55	50	NO	NO	NO
3	3_0463		Residential	G	S	51	46	55	50	52	46	56	51	4.3	4.6	4.4	4.6	55	50	NO	NO	YES
3	3_0464		Residential	G	S	51	46	55	50	51	46	56	51	4.2	4.4	4.3	4.5	55	50	NO	NO	YES
3	3_0465		Residential	G	E	54	49	56	51	54	49	56	51	2	1.8	2.1	1.8	55	50	NO	NO	YES
3	3_0466		Residential	G	S	51	45	55	50	51	46	56	50	4.1	4.3	4.2	4.3	55	50	NO	NO	YES
3	3_0467		Residential	G	S	51	45	55	50	51	46	56	51	4.2	4.4	4.3	4.4	55	50	NO	NO	YES
3	3_0468		Residential	G	S	51	46	55	50	52	47	56	51	4	4.1	4	4.1	55	50	NO	NO	YES
3	3_0469		Residential	G	S	51	46	55	50	52	47	56	51	3.6	3.8	3.8	3.7	55	50	NO	NO	YES
3	3_0470		Residential	G	SE	51	46	55	50	52	47	55	50	3.4	3.4	3.5	3.4	55	50	NO	NO	NO
3	3_0471		Residential	G	E	53	48	55	50	54	49	55	50	1.7	1.4	1.7	1.4	55	50	NO	NO	NO
3	3_0472		Residential	G	S	51	46	55	49	52	46	55	50	3.5	3.7	3.6	3.6	55	50	NO	NO	NO
3	3_0473		Residential	G	E	53	49	54	49	54	49	55	50	0.9	0.6	0.9	0.6	55	50	NO	NO	NO
3	3_0474		Residential	G	S	51	46	54	49	52	47	55	50	3.1	3.1	3.2	3.1	55	50	NO	NO	NO
3	3_0475		Residential	G	S	52	47	54	49	52	47	55	50	2.7	2.6	2.8	2.7	55	50	NO	NO	NO
3	3_0476		Residential	G	S	52	47	54	49	52	48	55	50	2.5	2.4	2.7	2.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0477		Residential	G	S	54	49	55	50	54	49	55	50	1.2	0.9	1.4	1	55	50	NO	NO	NO
3	3_0478		Residential	G	S	55	51	55	50	56	51	56	51	-0.3	-1	-0.2	-0.8	55	50	NO	NO	NO
3	3_0479		Residential	G	S	56	51	54	49	56	52	54	49	-2.1	-2.7	-1.9	-2.6	55	50	NO	NO	NO
3	3_0480		Residential	G	S	51	46	54	49	51	46	54	49	3	3	3.1	3.1	55	50	NO	NO	NO
3	3_0481		Residential	G	S	51	46	54	49	51	46	55	50	3.3	3.4	3.4	3.4	55	50	NO	NO	NO
3	3_0482		Residential	G	S	51	46	54	49	51	46	55	50	3.3	3.4	3.5	3.5	55	50	NO	NO	NO
3	3_0483		Residential	G	S	50	45	54	49	51	46	55	50	4	4.3	4.2	4.3	55	50	NO	NO	NO
3	3_0484		Residential	G	S	51	45	55	50	51	46	55	50	3.9	4.2	4.1	4.1	55	50	NO	NO	NO
3	3_0485		Residential	G	S	51	46	55	50	51	46	56	50	4.1	4.3	4.1	4.2	55	50	NO	NO	YES
3	3_0486		Residential	G	E	53	48	53	48	54	49	54	49	0.4	0.1	0.4	0.1	55	50	NO	NO	NO
3	3_0487		Residential	G	NE	54	49	54	49	55	50	54	50	-0.3	-0.6	-0.2	-0.5	55	50	NO	NO	NO
3	3_0488		Residential	G	E	55	50	54	49	55	51	55	50	-0.4	-0.7	-0.4	-0.7	55	50	NO	NO	NO
3	3_0489		Residential	G	S	51	46	54	49	52	47	55	50	2.7	2.7	2.8	2.8	55	50	NO	NO	NO
3	3_0490		Residential	G	S	52	47	54	49	52	47	55	50	2.3	2.3	2.4	2.2	55	50	NO	NO	NO
3	3_0491		Residential	G	E	53	48	53	48	54	49	54	49	0.2	-0.1	0.2	-0.1	55	50	NO	NO	NO
3	3_0492		Residential	G	W	59	55	53	48	60	55	54	49	-6.2	-6.7	-6.1	-6.6	55	50	NO	NO	NO
3	3_0493		Residential	G	SW	53	48	54	49	54	49	55	50	0.9	1.2	0.8	1.1	55	50	NO	NO	NO
3	3_0494		Residential	G	SW	53	48	54	49	54	49	55	50	0.7	1.1	0.6	1	55	50	NO	NO	NO
3	3_0495		Residential	G	SW	54	49	54	49	55	50	55	50	0.3	0.5	0.1	0.4	55	50	NO	NO	NO
3	3_0496		Residential	G	E	54	49	55	50	55	50	55	51	0.9	0.5	0.9	0.6	55	50	NO	NO	NO
3	3_0497		Residential	G	NE	55	50	54	49	55	51	55	50	-0.6	-0.9	-0.6	-1	55	50	NO	NO	NO
3	3_0498		Residential	G	W	53	46	56	51	53	47	57	52	3.8	5.1	3.7	4.9	55	50	NO	NO	YES
3	3_0499		Residential	G	W	52	45	56	51	53	46	57	52	4.5	5.8	4.4	5.8	55	50	NO	NO	YES
3	3_0500		Residential	G	S	51	45	57	52	52	45	58	53	6.4	7.5	6.5	7.6	55	50	NO	NO	YES
3	3_0501		Residential	G	W	54	48	60	55	55	48	60	55	5.4	6.8	5.4	6.8	55	50	NO	NO	YES
3	3_0502		Residential	G	S	53	46	58	53	53	47	59	54	5.6	7	5.8	7.2	55	50	NO	NO	YES
3	3_0502		Residential	1	S	56	50	62	57	57	50	63	58	5.9	7.3	6	7.5	55	50	NO	NO	YES
3	3_0503		Residential	G	S	55	49	61	56	55	49	62	57	6.2	7.4	6.3	7.5	55	50	NO	NO	YES
3	3_0504		Residential	G	E	59	55	57	52	60	55	57	52	-2.5	-3.2	-2.3	-3	55	50	NO	NO	NO
3	3_0505		Residential	G	E	60	55	56	51	60	56	57	52	-3.4	-4.1	-3.1	-3.9	55	50	NO	NO	NO
3	3_0506		Residential	G	E	59	55	56	51	60	55	56	51	-3.6	-4.3	-3.4	-4.2	55	50	NO	NO	NO
3	3_0507		Residential	G	E	58	53	55	50	58	54	55	50	-2.8	-3.6	-2.5	-3.4	55	50	NO	NO	NO
3	3_0508		Residential	G	S	57	53	56	51	57	53	57	52	-1.1	-1.9	-0.9	-1.6	55	50	NO	NO	NO
3	3_0509		Residential	G	E	60	56	55	50	60	56	56	51	-4.4	-5.3	-4.3	-5.2	55	50	NO	NO	NO
3	3_0510		Residential	G	E	59	55	55	50	59	55	56	51	-4	-4.8	-3.8	-4.7	55	50	NO	NO	NO
3	3_0511		Residential	G	E	59	55	55	50	60	55	55	50	-4.3	-5.3	-4.2	-5	55	50	NO	NO	NO
3	3_0512		Residential	G	E	59	55	55	50	60	55	56	51	-4.2	-5.1	-4.1	-4.9	55	50	NO	NO	NO
3	3_0513		Residential	G	E	58	54	54	49	58	54	55	50	-3.7	-4.6	-3.5	-4.4	55	50	NO	NO	NO
3	3_0514		Residential	G	E	60	56	55	50	60	56	55	50	-5	-6	-4.8	-5.8	55	50	NO	NO	NO
3	3_0515		Residential	G	E	58	54	54	49	59	55	55	50	-4.2	-5.1	-4	-5	55	50	NO	NO	NO
3	3_0516		Residential	G	E	59	55	54	49	59	55	55	50	-4.4	-5.3	-4.2	-5.2	55	50	NO	NO	NO
3	3_0516		Residential	1	S	57	52	56	51	57	53	57	52	-0.1	-0.7	0.1	-0.5	55	50	NO	NO	NO
3	3_0517		Residential	G	E	59	55	54	49	60	56	55	50	-4.7	-5.6	-4.5	-5.5	55	50	NO	NO	NO
3	3_0518		Residential	G	E	59	55	54	49	60	56	55	50	-5	-6	-4.8	-5.8	55	50	NO	NO	NO
3	3_0518		Residential	1	E	61	57	56	51	61	57	57	52	-4.5	-5.4	-4.2	-5.2	55	50	NO	NO	NO
3	3_0519		Residential	G	E	59	55	54	49	60	56	54	49	-5.5	-6.5	-5.4	-6.4	55	50	NO	NO	NO
3	3_0520		Residential	G	E	58	54	53	48	59	55	53	48	-5.7	-6.7	-5.6	-6.6	55	50	NO	NO	NO
3	3_0520		Residential	1	E	60	56	56	51	61	57	56	51	-4.6	-5.5	-4.5	-5.4	55	50	NO	NO	NO
3	3_0521		Residential	G	E	59	55	54	49	60	56	54	49	-5.3	-6.3	-5.2	-6.2	55	50	NO	NO	NO
3	3_0522		Residential	G	E	60	56	54	50	61	57	55	50	-5.6	-6.5	-5.5	-6.4	55	50	NO	NO	NO
3	3_0523		Residential	G	E	54	49	53	48	54	50	54	49	-0.8	-1.1	-0.9	-1.1	55	50	NO	NO	NO
3	3_0524		Residential	G	E	53	48	52	47	53	49	53	48	-0.4	-0.6	-0.3	-0.6	55	50	NO	NO	NO
3	3_0525		Residential	G	E	54	49	54	49	54	50	54	49	-0.2	-0.3	-0.2	-0.3	55	50	NO	NO	NO
3	3_0526		Residential	G	E	53	48	53	48	53	49	54	49	0.3	0.1	0.3	0.1	55	50	NO	NO	NO
3	3_0527		Residential	G	E	53	48	54	49	54	49	54	50	0.5	0.4	0.5	0.5	55	50	NO	NO	NO
3	3_0528		Residential	G	E	53	48	54	49	53	49	54	49	1	0.9	1.2	0.9	55	50	NO	NO	NO
3	3_0528		Residential	1	S	52	47	56	51	53	48	57	52	3.8	4	3.9	4	55	50	NO	NO	YES
3	3_0529		Residential	G	E	53	48	55	50	53	49	55	50	1.7	1.6	1.8	1.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0530		Residential	G	E	53	48	55	50	54	49	55	50	1.5	1.4	1.6	1.5	55	50	NO	NO	NO
3	3_0531		Residential	G	E	53	48	55	50	54	49	55	50	1.5	1.4	1.5	1.3	55	50	NO	NO	NO
3	3_0532		Residential	G	E	54	49	55	50	54	49	56	51	1.7	1.6	1.8	1.6	55	50	NO	NO	NO
3	3_0533		Residential	G	E	54	49	56	51	54	50	56	51	1.9	1.8	2	1.8	55	50	NO	NO	NO
3	3_0534		Residential	G	E	54	49	56	51	54	50	56	51	2	1.9	2	1.9	55	50	NO	NO	NO
3	3_0535		Residential	G	E	53	48	56	51	54	49	56	51	2.6	2.6	2.8	2.6	55	50	NO	NO	YES
3	3_0536		Residential	G	S	52	46	56	51	52	47	57	52	4.6	5.1	4.8	5.1	55	50	NO	NO	YES
3	3_0537		Residential	G	S	52	46	57	52	52	47	57	52	5.1	5.6	5.2	5.6	55	50	NO	NO	YES
3	3_0538		Residential	G	S	52	46	57	52	52	47	57	52	5.3	5.9	5.4	5.9	55	50	NO	NO	YES
3	3_0539		Residential	G	S	52	46	57	52	52	47	58	53	5.4	6	5.5	6	55	50	NO	NO	YES
3	3_0540		Residential	G	E	53	48	56	51	54	49	57	52	2.8	2.8	2.8	2.8	55	50	NO	NO	YES
3	3_0541		Residential	G	E	53	48	56	51	54	49	57	52	3.1	3.2	3.3	3.2	55	50	NO	NO	YES
3	3_0542		Residential	G	E	54	49	56	51	54	49	57	52	2.5	2.6	2.6	2.5	55	50	NO	NO	YES
3	3_0543		Residential	G	E	53	48	56	51	54	49	56	51	2.5	2.4	2.5	2.4	55	50	NO	NO	YES
3	3_0544		Residential	G	E	53	48	55	50	53	49	55	50	1.8	1.7	1.9	1.7	55	50	NO	NO	NO
3	3_0544		Residential	1	S	52	46	57	52	53	47	58	52	5	5.5	5	5.5	55	50	NO	NO	YES
3	3_0545		Residential	G	E	54	49	55	50	54	49	55	50	1.2	1.1	1.2	1.1	55	50	NO	NO	NO
3	3_0546		Residential	G	E	52	47	54	49	53	48	55	50	2	2	2	2.1	55	50	NO	NO	NO
3	3_0547		Residential	G	E	53	48	54	49	54	49	55	50	0.9	1	0.9	0.9	55	50	NO	NO	NO
3	3_0548		Residential	G	E	53	49	53	48	54	49	54	49	-0.4	-0.6	-0.4	-0.6	55	50	NO	NO	NO
3	3_0549		Residential	G	E	53	48	53	48	54	49	54	49	-0.1	-0.2	-0.1	-0.3	55	50	NO	NO	NO
3	3_0550		Residential	G	E	53	48	53	48	54	49	54	49	0.1	0	0.1	0	55	50	NO	NO	NO
3	3_0551		Residential	G	E	53	48	53	48	54	49	54	49	-0.2	-0.3	-0.3	-0.3	55	50	NO	NO	NO
3	3_0552		Residential	G	E	53	48	53	47	54	49	53	48	-0.3	-0.5	-0.5	-0.5	55	50	NO	NO	NO
3	3_0553		Residential	G	E	53	48	53	48	54	49	54	49	0	0.1	0	0	55	50	NO	NO	NO
3	3_0554		Residential	G	E	53	48	53	48	53	48	53	48	0	0.1	0	0.1	55	50	NO	NO	NO
3	3_0555		Residential	G	E	53	48	53	48	54	49	54	49	0	0.1	-0.1	0	55	50	NO	NO	NO
3	3_0556		Residential	G	E	54	49	54	49	54	49	54	49	0.1	0	-0.1	-0.1	55	50	NO	NO	NO
3	3_0557		Residential	G	E	54	49	54	49	54	49	55	49	0.3	0.3	0.3	0.2	55	50	NO	NO	NO
3	3_0558		Residential	G	E	54	49	54	49	54	49	54	49	0.2	0.2	0.1	0.2	55	50	NO	NO	NO
3	3_0559		Residential	G	E	53	48	54	49	54	49	54	49	0.4	0.5	0.4	0.4	55	50	NO	NO	NO
3	3_0560		Residential	G	E	54	49	54	49	54	49	55	50	0.3	0.3	0.3	0.4	55	50	NO	NO	NO
3	3_0561		Residential	G	E	53	48	54	49	54	49	55	50	1.1	1.1	1	1.1	55	50	NO	NO	NO
3	3_0562		Residential	G	E	53	48	55	50	54	49	55	50	1.2	1.3	1.2	1.2	55	50	NO	NO	NO
3	3_0563		Residential	G	E	54	48	55	50	54	49	56	51	1.8	1.9	1.8	1.9	55	50	NO	NO	NO
3	3_0564		Residential	G	E	53	48	55	50	54	49	56	51	1.9	2	1.9	2	55	50	NO	NO	NO
3	3_0565		Residential	G	E	53	48	56	51	54	49	56	51	2.4	2.7	2.4	2.6	55	50	NO	NO	YES
3	3_0566		Residential	G	E	53	48	56	51	54	49	57	52	3.1	3.2	3.1	3.2	55	50	NO	NO	YES
3	3_0567		Residential	G	E	53	48	57	52	54	48	57	52	3.5	3.7	3.5	3.8	55	50	NO	NO	YES
3	3_0568		Residential	G	S	52	46	57	52	52	46	58	53	5.7	6.5	5.9	6.5	55	50	NO	NO	YES
3	3_0569		Residential	G	S	51	45	56	51	52	46	57	52	5.4	6.1	5.4	6	55	50	NO	NO	YES
3	3_0570		Residential	G	E	52	47	55	49	53	48	55	50	2.5	2.6	2.5	2.5	55	50	NO	NO	NO
3	3_0571		Residential	G	E	53	48	56	51	54	49	56	51	2.5	2.7	2.5	2.6	55	50	NO	NO	YES
3	3_0572		Residential	G	E	53	48	56	51	54	49	56	51	2.4	2.5	2.4	2.5	55	50	NO	NO	YES
3	3_0573		Residential	G	E	53	48	55	50	54	49	56	51	1.6	1.8	1.5	1.8	55	50	NO	NO	NO
3	3_0574		Residential	G	E	53	48	54	49	53	48	55	50	1.7	1.6	1.7	1.5	55	50	NO	NO	NO
3	3_0575		Residential	G	E	53	48	55	50	54	49	56	51	1.5	1.7	1.5	1.6	55	50	NO	NO	NO
3	3_0576		Residential	G	E	53	48	55	50	54	49	55	50	1.4	1.4	1.4	1.4	55	50	NO	NO	NO
3	3_0576		Residential	1	S	52	46	57	52	52	47	58	52	5.1	5.8	5.2	5.8	55	50	NO	NO	YES
3	3_0577		Residential	G	E	53	48	54	49	54	49	55	50	1.1	1.2	1.1	1.1	55	50	NO	NO	NO
3	3_0577		Residential	1	E	55	50	56	51	56	50	57	52	1.4	1.6	1.4	1.5	55	50	NO	NO	NO
3	3_0578		Residential	G	E	54	49	54	49	54	49	55	50	0.7	0.8	0.7	0.7	55	50	NO	NO	NO
3	3_0579		Residential	G	E	54	49	54	49	54	49	55	50	0.6	0.8	0.6	0.7	55	50	NO	NO	NO
3	3_0580		Residential	G	E	54	49	55	50	55	50	55	50	0.4	0.7	0.3	0.7	55	50	NO	NO	NO
3	3_0581		Residential	G	E	54	48	54	49	54	49	54	49	0.1	0.2	0	0.1	55	50	NO	NO	NO
3	3_0582		Residential	G	E	54	49	54	49	55	49	55	50	0	0.3	-0.1	0.2	55	50	NO	NO	NO
3	3_0583		Residential	G	E	53	48	53	48	54	48	54	49	0.5	0.5	0.4	0.5	55	50	NO	NO	NO
3	3_0584		Residential	G	E	54	49	54	49	55	49	54	49	-0.1	0.2	-0.2	0.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0585		Residential	G	E	54	49	53	48	55	49	54	49	-1	-0.9	-1.1	-0.9	55	50	NO	NO	NO
3	3_0585		Residential	1	E	56	50	55	50	56	51	56	51	-0.3	-0.1	-0.4	-0.2	55	50	NO	NO	NO
3	3_0586		Residential	G	E	53	48	53	48	54	49	53	48	-0.9	-0.8	-1	-0.8	55	50	NO	NO	NO
3	3_0586		Residential	1	E	55	50	55	50	56	51	56	51	-0.1	0.1	-0.2	0.1	55	50	NO	NO	NO
3	3_0587		Residential	G	E	54	48	53	48	54	49	53	48	-0.7	-0.5	-0.7	-0.6	55	50	NO	NO	NO
3	3_0587		Residential	1	S	51	45	55	50	52	46	56	51	4.3	4.9	4.3	4.9	55	50	NO	NO	YES
3	3_0588		Residential	G	E	53	48	53	48	54	49	54	48	-0.3	-0.1	-0.4	-0.2	55	50	NO	NO	NO
3	3_0589		Residential	G	E	53	48	52	47	54	48	53	48	-0.5	-0.3	-0.6	-0.4	55	50	NO	NO	NO
3	3_0590		Residential	G	E	53	48	53	48	54	49	54	49	0	0.3	-0.2	0.2	55	50	NO	NO	NO
3	3_0591		Residential	G	E	53	47	53	48	53	48	54	49	0.8	1.1	0.7	1.1	55	50	NO	NO	NO
3	3_0592		Residential	G	E	53	47	54	48	53	48	54	49	1	1.4	0.9	1.3	55	50	NO	NO	NO
3	3_0593		Residential	G	E	53	47	54	49	53	48	54	49	1.2	1.5	1	1.5	55	50	NO	NO	NO
3	3_0594		Residential	G	E	52	47	54	49	53	48	55	49	1.6	2	1.6	1.9	55	50	NO	NO	NO
3	3_0594		Residential	1	S	52	46	57	52	52	46	58	53	5.4	6.2	5.4	6.2	55	50	NO	NO	YES
3	3_0595		Residential	G	E	52	47	54	49	53	48	55	50	2	2.4	1.9	2.4	55	50	NO	NO	NO
3	3_0596		Residential	G	E	52	47	54	49	53	48	55	50	2	2.4	2	2.4	55	50	NO	NO	NO
3	3_0597		Residential	G	E	52	47	54	49	53	47	55	50	2.1	2.6	2.1	2.5	55	50	NO	NO	NO
3	3_0598		Residential	G	E	52	47	55	50	53	47	55	50	2.4	2.9	2.4	2.8	55	50	NO	NO	NO
3	3_0599		Residential	G	E	52	47	56	50	53	48	56	51	3.1	3.4	3	3.5	55	50	NO	NO	YES
3	3_0600		Residential	G	S	51	45	56	51	51	46	57	52	5.2	5.8	5.4	5.8	55	50	NO	NO	YES
3	3_0601		Residential	G	S	52	46	57	52	52	46	58	53	5.8	6.5	5.8	6.4	55	50	NO	NO	YES
3	3_0602		Residential	G	S	51	46	57	52	52	46	58	53	5.8	6.5	5.9	6.4	55	50	NO	NO	YES
3	3_0603		Residential	G	S	51	45	56	51	51	46	57	52	5.6	6.5	5.8	6.4	55	50	NO	NO	YES
3	3_0604		Residential	G	S	51	45	57	52	52	46	57	52	5.8	6.6	5.9	6.5	55	50	NO	NO	YES
3	3_0605		Residential	G	S	52	46	58	53	52	46	58	53	6	6.8	6.2	6.8	55	50	NO	NO	YES
3	3_0606		Residential	G	S	51	46	57	52	52	46	58	53	5.9	6.7	6.1	6.7	55	50	NO	NO	YES
3	3_0607		Residential	G	S	51	45	57	52	52	46	58	52	5.8	6.7	5.9	6.6	55	50	NO	NO	YES
3	3_0608		Residential	G	S	51	45	57	51	51	45	57	52	5.7	6.5	5.8	6.6	55	50	NO	NO	YES
3	3_0609		Residential	G	S	51	45	56	51	51	45	57	52	5.5	6.3	5.6	6.3	55	50	NO	NO	YES
3	3_0610		Residential	G	S	50	44	56	51	51	45	57	51	5.5	6.3	5.6	6.2	55	50	NO	NO	YES
3	3_0611		Residential	G	S	49	43	55	50	50	44	56	51	6.3	7.3	6.5	7.3	55	50	NO	NO	YES
3	3_0611		Residential	1	S	53	47	58	53	53	47	59	54	5.4	6.4	5.5	6.5	55	50	NO	NO	YES
3	3_0612		Residential	G	S	48	41	54	49	48	42	55	50	6.6	7.9	6.8	7.9	55	50	NO	NO	NO
3	3_0612		Residential	1	S	52	46	57	52	52	46	58	53	5.3	6.4	5.5	6.5	55	50	NO	NO	YES
3	3_0613		Residential	G	S	48	42	55	50	49	42	56	50	6.7	7.8	6.8	8	55	50	NO	NO	YES
3	3_0613		Residential	1	S	52	46	58	52	53	46	58	53	5.6	6.6	5.7	6.8	55	50	NO	NO	YES
3	3_0614		Residential	G	S	48	42	55	50	49	42	55	50	6.7	7.8	6.8	8	55	50	NO	NO	NO
3	3_0614		Residential	1	S	52	46	57	52	52	46	58	53	5.6	6.7	5.7	6.8	55	50	NO	NO	YES
3	3_0615		Residential	G	S	49	43	54	49	49	43	55	50	5.5	6.6	5.6	6.6	55	50	NO	NO	NO
3	3_0616		Residential	G	SE	50	44	55	49	50	45	55	50	4.9	5.5	5	5.5	55	50	NO	NO	NO
3	3_0617		Residential	G	S	48	42	54	49	49	42	55	50	6.4	7.5	6.6	7.5	55	50	NO	NO	NO
3	3_0617		Residential	1	S	51	45	57	52	52	46	58	53	5.7	6.6	5.8	6.7	55	50	NO	NO	YES
3	3_0618		Residential	G	S	49	43	54	48	49	44	54	49	4.8	5.4	4.8	5.4	55	50	NO	NO	NO
3	3_0619		Residential	G	E	51	46	54	48	52	46	54	49	2.4	2.8	2.4	2.8	55	50	NO	NO	NO
3	3_0620		Residential	G	W	52	46	53	48	53	47	54	49	1.1	2.1	0.8	1.9	55	50	NO	NO	NO
3	3_0621		Residential	G	W	52	46	53	48	53	47	54	48	1	2	0.7	1.8	55	50	NO	NO	NO
3	3_0622		Residential	G	S	49	43	53	48	49	44	54	48	4.1	4.7	4.1	4.7	55	50	NO	NO	NO
3	3_0623		Residential	G	SW	51	45	53	48	52	46	54	49	2.1	3.2	1.9	3	55	50	NO	NO	NO
3	3_0624		Residential	G	S	50	44	53	48	50	44	54	49	3.8	4.8	3.7	4.7	55	50	NO	NO	NO
3	3_0625		Residential	G	S	49	44	54	48	50	44	54	49	4.2	4.8	4.2	4.9	55	50	NO	NO	NO
3	3_0626		Residential	G	S	49	44	54	48	50	44	54	49	4.1	4.9	4.1	4.9	55	50	NO	NO	NO
3	3_0627		Residential	G	S	49	44	54	48	50	44	54	49	4.2	4.9	4.2	4.9	55	50	NO	NO	NO
3	3_0628		Residential	G	S	49	43	53	48	50	44	54	49	4.1	4.9	4.2	4.9	55	50	NO	NO	NO
3	3_0629		Residential	G	S	49	43	54	48	50	44	54	49	4.1	4.9	4.1	5	55	50	NO	NO	NO
3	3_0630		Residential	G	SE	50	44	53	48	50	45	54	49	3.4	4.1	3.5	4.1	55	50	NO	NO	NO
3	3_0631		Residential	G	SW	49	43	53	48	50	44	54	48	3.5	4.5	3.5	4.4	55	50	NO	NO	NO
3	3_0632		Residential	G	S	49	43	53	48	50	44	54	48	3.8	4.6	3.8	4.7	55	50	NO	NO	NO
3	3_0633		Residential	G	W	51	45	53	48	52	46	54	48	1.7	2.7	1.5	2.6	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0634		Residential	G	W	51	45	53	48	52	46	54	48	1.9	2.9	1.7	2.8	55	50	NO	NO	NO
3	3_0635		Residential	G	W	51	45	53	48	52	45	54	49	2.4	3.4	2.2	3.3	55	50	NO	NO	NO
3	3_0636		Residential	G	W	52	45	53	48	52	46	54	49	1.9	2.9	1.6	2.7	55	50	NO	NO	NO
3	3_0637		Residential	G	W	53	46	54	49	53	47	55	49	1.5	2.6	1.3	2.4	55	50	NO	NO	NO
3	3_0638		Residential	G	S	48	42	54	49	49	42	55	50	6.1	7.2	6.2	7.4	55	50	NO	NO	NO
3	3_0638		Residential	1	S	51	45	56	51	52	45	57	52	5	6	5	6.1	55	50	NO	NO	YES
3	3_0639		Residential	G	S	49	43	54	49	50	44	55	50	5	5.9	5.1	6	55	50	NO	NO	NO
3	3_0640		Residential	G	W	52	46	53	48	53	46	54	49	1.3	2.4	1	2.2	55	50	NO	NO	NO
3	3_0641		Residential	G	W	52	45	53	48	53	46	53	48	1.1	2.4	0.8	2.1	55	50	NO	NO	NO
3	3_0641		Residential	1	S	51	45	56	51	52	46	57	52	5.2	6.2	5.4	6.2	55	50	NO	NO	YES
3	3_0642		Residential	G	W	52	46	53	48	53	46	54	49	1.3	2.4	1.1	2.2	55	50	NO	NO	NO
3	3_0643		Residential	G	S	49	43	53	48	50	44	54	48	3.8	4.6	3.7	4.6	55	50	NO	NO	NO
3	3_0644		Residential	G	W	51	45	52	47	52	45	53	48	1.5	2.5	1.3	2.3	55	50	NO	NO	NO
3	3_0645		Residential	G	W	51	45	53	48	52	46	53	48	1.4	2.4	1.2	2.2	55	50	NO	NO	NO
3	3_0646		Residential	G	W	51	45	53	48	52	46	54	48	1.6	2.5	1.3	2.4	55	50	NO	NO	NO
3	3_0647		Residential	G	W	53	46	54	48	53	47	54	49	1	2	0.7	1.9	55	50	NO	NO	NO
3	3_0648		Residential	G	W	52	46	54	48	53	47	54	49	1.5	2.6	1.3	2.4	55	50	NO	NO	NO
3	3_0649		Residential	G	S	49	43	54	49	50	44	55	50	4.8	5.8	4.9	5.8	55	50	NO	NO	NO
3	3_0650		Residential	G	S	50	44	55	49	50	44	55	50	4.9	5.8	5	5.8	55	50	NO	NO	NO
3	3_0651		Residential	G	S	50	43	54	49	50	44	55	50	4.9	5.8	4.9	5.9	55	50	NO	NO	NO
3	3_0652		Residential	G	S	49	43	54	49	50	44	55	50	4.9	5.9	4.9	5.9	55	50	NO	NO	NO
3	3_0653		Residential	G	W	51	45	54	48	52	46	54	49	2.4	3.5	2.2	3.3	55	50	NO	NO	NO
3	3_0654		Residential	G	W	52	45	54	48	52	46	54	49	2	3.1	1.8	3	55	50	NO	NO	NO
3	3_0655		Residential	G	W	52	45	54	48	52	46	54	49	2	3.2	1.8	3	55	50	NO	NO	NO
3	3_0656		Residential	G	W	51	45	53	48	52	46	54	49	2.3	3.4	2.1	3.2	55	50	NO	NO	NO
3	3_0657		Residential	G	W	52	45	54	49	53	46	54	49	2	3.1	1.8	2.9	55	50	NO	NO	NO
3	3_0658		Residential	G	SW	51	45	54	48	52	46	54	49	2.2	3.3	2	3.2	55	50	NO	NO	NO
3	3_0659		Residential	G	W	51	45	53	48	52	46	54	49	2.2	3.3	1.9	3.1	55	50	NO	NO	NO
3	3_0660		Residential	G	SW	51	45	53	48	52	46	54	49	2.1	3.2	1.9	3	55	50	NO	NO	NO
3	3_0661		Residential	G	SE	50	44	54	48	50	45	54	49	3.7	4.3	3.7	4.4	55	50	NO	NO	NO
3	3_0662		Residential	G	SW	51	45	53	48	52	45	54	48	2.1	3.2	1.9	3	55	50	NO	NO	NO
3	3_0663		Residential	G	SW	51	45	53	48	52	46	54	48	1.8	2.9	1.6	2.7	55	50	NO	NO	NO
3	3_0664		Residential	G	SW	51	45	53	47	52	46	53	48	1.5	2.7	1.3	2.5	55	50	NO	NO	NO
3	3_0665		Residential	G	SW	52	46	53	47	53	46	53	48	0.5	1.7	0.3	1.4	55	50	NO	NO	NO
3	3_0666		Residential	G	SW	52	45	52	47	53	46	53	48	0.4	1.6	0.1	1.3	55	50	NO	NO	NO
3	3_0667		Residential	G	W	50	44	52	47	51	44	53	47	2	3.3	1.6	3	55	50	NO	NO	NO
3	3_0667		Residential	1	SE	51	45	54	49	52	46	55	50	3.4	4.1	3.4	4.1	55	50	NO	NO	NO
3	3_0668		Residential	G	SW	51	45	53	47	52	46	53	48	1.5	2.7	1.3	2.5	55	50	NO	NO	NO
3	3_0669		Residential	G	SE	48	42	53	47	49	43	53	48	4.5	5	4.6	5.1	55	50	NO	NO	NO
3	3_0669		Residential	1	SE	51	45	55	49	52	46	55	50	3.2	3.9	3.3	3.9	55	50	NO	NO	NO
3	3_0670		Residential	G	SE	49	44	53	48	50	44	53	48	3.4	3.9	3.4	3.9	55	50	NO	NO	NO
3	3_0671		Residential	G	SW	51	44	53	48	51	45	54	48	2.5	3.6	2.3	3.4	55	50	NO	NO	NO
3	3_0672		Residential	G	SW	50	44	53	48	51	44	54	48	3.2	4.2	3	4.1	55	50	NO	NO	NO
3	3_0673		Residential	G	SW	51	44	53	48	51	45	54	48	2.5	3.6	2.4	3.5	55	50	NO	NO	NO
3	3_0674		Residential	G	SW	50	44	53	48	51	44	54	49	3.4	4.5	3.3	4.4	55	50	NO	NO	NO
3	3_0675		Residential	G	S	50	43	54	49	50	44	55	50	4.5	5.5	4.6	5.5	55	50	NO	NO	NO
3	3_0676		Residential	G	S	50	44	54	49	50	44	55	50	4.6	5.5	4.6	5.7	55	50	NO	NO	NO
3	3_0677		Residential	G	SW	52	45	54	49	52	46	55	49	2.5	3.7	2.4	3.5	55	50	NO	NO	NO
3	3_0678		Residential	G	SW	51	45	54	49	52	45	54	49	2.7	3.9	2.5	3.8	55	50	NO	NO	NO
3	3_0679		Residential	G	S	49	43	54	48	50	43	54	49	4.6	5.5	4.6	5.6	55	50	NO	NO	NO
3	3_0680		Residential	G	S	49	43	54	49	50	44	54	49	4.5	5.4	4.5	5.5	55	50	NO	NO	NO
3	3_0681		Residential	G	SW	50	44	53	48	51	45	54	48	2.9	4	2.7	3.9	55	50	NO	NO	NO
3	3_0682		Residential	G	SE	50	44	53	48	50	44	54	48	3.4	4.1	3.4	4.1	55	50	NO	NO	NO
3	3_0683		Residential	G	SE	50	44	53	48	51	45	54	48	2.8	3.5	2.8	3.6	55	50	NO	NO	NO
3	3_0684		Residential	G	SE	50	44	53	47	50	45	53	48	2.8	3.5	2.8	3.6	55	50	NO	NO	NO
3	3_0685		Residential	G	SE	50	44	52	47	51	45	53	48	2.6	3.2	2.5	3.2	55	50	NO	NO	NO
3	3_0686		Residential	G	S	49	44	53	48	50	44	54	49	3.9	4.5	3.9	4.5	55	50	NO	NO	NO
3	3_0687		Residential	G	S	49	44	53	48	50	44	54	49	3.8	4.4	3.8	4.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0688		Residential	G	S	49	43	53	48	50	44	54	49	3.9	4.5	3.9	4.6	55	50	NO	NO	NO
3	3_0689		Residential	G	S	49	43	53	48	50	44	54	49	4	4.8	4	4.8	55	50	NO	NO	NO
3	3_0690		Residential	G	S	49	43	53	48	50	44	53	48	3.7	4.4	3.7	4.5	55	50	NO	NO	NO
3	3_0691		Residential	G	S	49	43	53	48	50	44	54	48	3.9	4.6	3.9	4.6	55	50	NO	NO	NO
3	3_0692		Residential	G	SW	51	45	53	47	52	45	53	48	1.8	2.8	1.5	2.6	55	50	NO	NO	NO
3	3_0693		Residential	G	W	51	45	52	47	52	45	53	48	1.4	2.4	1.2	2.3	55	50	NO	NO	NO
3	3_0694		Residential	G	SW	50	43	53	48	50	44	53	48	3.2	4.2	3	4	55	50	NO	NO	NO
3	3_0695		Residential	G	S	49	43	53	47	50	44	53	48	3.8	4.4	3.7	4.5	55	50	NO	NO	NO
3	3_0696		Residential	G	S	49	43	53	48	50	44	53	48	3.8	4.5	3.8	4.4	55	50	NO	NO	NO
3	3_0697		Residential	G	S	49	43	53	48	50	44	53	48	3.7	4.4	3.8	4.3	55	50	NO	NO	NO
3	3_0698		Residential	G	S	49	43	53	48	50	44	54	48	3.7	4.3	3.7	4.3	55	50	NO	NO	NO
3	3_0699		Residential	G	S	49	43	53	48	50	44	54	48	3.8	4.3	3.8	4.4	55	50	NO	NO	NO
3	3_0700		Residential	G	W	52	46	53	47	53	47	53	48	0.4	1.4	0.1	1.2	55	50	NO	NO	NO
3	3_0701		Residential	G	W	52	45	52	47	52	46	53	48	0.7	1.7	0.4	1.5	55	50	NO	NO	NO
3	3_0702		Residential	G	W	51	45	52	47	52	46	53	47	0.6	1.7	0.3	1.4	55	50	NO	NO	NO
3	3_0703		Residential	G	W	52	46	52	47	53	47	53	48	0.2	1.2	0	1	55	50	NO	NO	NO
3	3_0704		Residential	G	S	49	43	52	47	50	44	53	48	3.3	3.9	3.2	3.9	55	50	NO	NO	NO
3	3_0705		Residential	G	S	49	43	53	47	50	44	53	48	3.7	4.5	3.6	4.4	55	50	NO	NO	NO
3	3_0706		Residential	G	SE	50	45	52	47	51	46	53	48	1.9	2.3	1.8	2.3	55	50	NO	NO	NO
3	3_0707		Residential	G	SW	50	44	53	47	51	45	53	48	2.4	3.3	2.2	3.1	55	50	NO	NO	NO
3	3_0708		Residential	G	SW	50	44	53	48	50	44	53	48	3	4	2.9	3.9	55	50	NO	NO	NO
3	3_0709		Residential	G	SW	50	44	53	48	50	44	54	48	3.2	4.1	3.2	4	55	50	NO	NO	NO
3	3_0710		Residential	G	S	49	43	52	47	50	44	52	47	2.8	3.4	2.7	3.3	55	50	NO	NO	NO
3	3_0711		Residential	G	SW	53	46	54	49	54	47	55	49	1.3	2.4	1	2.2	55	50	NO	NO	NO
3	3_0712		Residential	G	SW	53	46	55	49	54	47	55	50	1.6	2.7	1.5	2.6	55	50	NO	NO	NO
3	3_0713		Residential	G	SW	53	46	54	49	54	47	55	49	1	2.2	0.7	1.9	55	50	NO	NO	NO
3	3_0714		Residential	G	SW	53	46	53	48	54	47	54	48	0.3	1.4	0	1.2	55	50	NO	NO	NO
3	3_0715		Residential	G	W	53	46	54	48	54	47	54	49	0.5	1.7	0.2	1.4	55	50	NO	NO	NO
3	3_0716		Residential	G	SW	53	47	54	48	54	48	54	49	0.2	1.5	-0.1	1.2	55	50	NO	NO	NO
3	3_0717		Residential	G	SW	54	47	54	48	54	48	54	49	0.1	1.3	-0.3	1	55	50	NO	NO	NO
3	3_0718		Residential	G	SW	53	46	53	48	54	47	54	48	0.6	1.6	0.2	1.4	55	50	NO	NO	NO
3	3_0719		Residential	G	SW	53	46	53	48	54	47	54	48	0.3	1.5	0	1.2	55	50	NO	NO	NO
3	3_0720		Residential	G	SE	51	45	53	48	52	46	54	48	2	2.6	2	2.7	55	50	NO	NO	NO
3	3_0721		Residential	G	SE	51	45	54	48	52	46	54	49	2.3	3	2.4	3	55	50	NO	NO	NO
3	3_0722		Residential	G	SW	51	45	53	48	52	46	53	48	1.6	2.6	1.2	2.4	55	50	NO	NO	NO
3	3_0723		Residential	G	SE	50	44	53	48	51	45	53	48	2.5	3.1	2.5	3.1	55	50	NO	NO	NO
3	3_0724		Residential	G	SW	50	44	52	47	51	44	53	48	2.2	3.2	2	3.1	55	50	NO	NO	NO
3	3_0725		Residential	G	SE	50	44	53	48	50	45	54	49	3.6	4.4	3.6	4.3	55	50	NO	NO	NO
3	3_0726		Residential	G	SW	52	46	52	47	53	47	53	48	0.2	1.4	-0.1	1.1	55	50	NO	NO	NO
3	3_0727		Residential	G	SW	53	46	53	47	54	47	53	48	-0.3	0.8	-0.6	0.5	55	50	NO	NO	NO
3	3_0728		Residential	G	NW	56	50	53	47	57	51	53	47	-3.7	-2.9	-4.2	-3.4	55	50	NO	NO	NO
3	3_0729		Residential	G	NW	56	50	53	47	57	51	53	48	-3.8	-3	-4.2	-3.4	55	50	NO	NO	NO
3	3_0730		Residential	G	NW	56	50	53	47	57	51	53	47	-3.8	-3	-4.3	-3.5	55	50	NO	NO	NO
3	3_0731		Residential	G	NW	57	50	53	47	57	51	53	47	-4	-3.1	-4.4	-3.7	55	50	NO	NO	NO
3	3_0732		Residential	G	SE	48	42	51	46	48	43	52	47	3.8	4.2	3.9	4.3	55	50	NO	NO	NO
3	3_0732		Residential	1	SE	52	46	54	49	52	47	54	49	2.3	2.7	2.3	2.8	55	50	NO	NO	NO
3	3_0733		Residential	G	N	57	50	52	47	58	51	53	47	-4.2	-3.5	-4.8	-4	55	50	NO	NO	NO
3	3_0734		Residential	G	N	56	50	52	46	57	51	53	47	-4.1	-3.3	-4.7	-3.9	55	50	NO	NO	NO
3	3_0735		Residential	G	E	55	49	54	49	55	50	54	49	-0.8	-0.6	-0.9	-0.8	55	50	NO	NO	NO
3	3_0735		Residential	1	E	56	51	55	50	57	52	56	51	-0.8	-0.6	-1	-0.7	55	50	NO	NO	NO
3	3_0736		Residential	G	W	52	46	52	47	53	47	53	48	0	1	-0.3	0.7	55	50	NO	NO	NO
3	3_0737		Residential	G	S	50	44	53	48	50	44	54	48	3.4	4	3.3	4	55	50	NO	NO	NO
3	3_0738		Residential	G	S	50	44	53	48	51	45	54	49	2.9	3.8	2.8	3.8	55	50	NO	NO	NO
3	3_0739		Residential	G	W	54	47	52	47	55	48	53	47	-1.5	-0.6	-1.9	-0.8	55	50	NO	NO	NO
3	3_0740		Residential	G	SW	51	45	52	47	52	46	53	48	1.3	2.2	0.9	2	55	50	NO	NO	NO
3	3_0741		Residential	G	W	52	46	52	46	53	47	52	47	-0.5	0.4	-0.7	0.2	55	50	NO	NO	NO
3	3_0742		Residential	G	W	52	46	50	45	53	46	51	46	-1.3	-0.5	-1.6	-0.7	55	50	NO	NO	NO
3	3_0743		Residential	G	E	55	50	54	49	56	51	55	50	-1.4	-1	-1.5	-1.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0744		Residential	G	W	54	48	52	46	55	48	52	47	-2.4	-1.4	-2.8	-1.8	55	50	NO	NO	NO
3	3_0745		Residential	G	E	56	51	54	49	57	51	55	50	-1.8	-1.6	-2.1	-1.7	55	50	NO	NO	NO
3	3_0746		Residential	G	E	56	51	54	49	57	52	55	50	-2.1	-1.9	-2.4	-2.1	55	50	NO	NO	NO
3	3_0747		Residential	G	E	56	51	53	48	57	51	54	49	-2.6	-2.3	-2.9	-2.5	55	50	NO	NO	NO
3	3_0748		Residential	G	NW	57	51	53	48	58	52	53	48	-4.3	-3.7	-4.7	-4.1	55	50	NO	NO	NO
3	3_0749		Residential	G	W	55	49	53	47	56	49	53	48	-2.3	-1.3	-2.7	-1.6	55	50	NO	NO	NO
3	3_0750		Residential	G	S	50	45	52	47	51	45	53	48	2.3	2.7	2.3	2.6	55	50	NO	NO	NO
3	3_0751		Residential	G	E	56	51	54	49	57	51	54	49	-2.3	-2.2	-2.5	-2.4	55	50	NO	NO	NO
3	3_0752		Residential	G	E	55	50	53	48	56	51	54	49	-2	-1.7	-2.2	-1.9	55	50	NO	NO	NO
3	3_0753		Residential	G	N	58	52	53	48	58	53	53	48	-4.5	-4.3	-4.9	-4.6	55	50	NO	NO	NO
3	3_0754		Residential	G	E	56	51	53	48	56	51	53	48	-3.2	-3.1	-3.3	-3.2	55	50	NO	NO	NO
3	3_0755		Residential	G	E	54	48	53	47	55	49	53	48	-1.2	-0.9	-1.4	-1	55	50	NO	NO	NO
3	3_0756		Residential	G	N	58	52	53	48	58	53	53	48	-4.6	-4.4	-5	-4.6	55	50	NO	NO	NO
3	3_0757		Residential	G	N	57	52	53	48	58	53	53	48	-4.7	-4.5	-5.1	-4.8	55	50	NO	NO	NO
3	3_0758		Residential	G	E	55	50	53	48	56	51	54	49	-1.9	-2.1	-2.1	-2.1	55	50	NO	NO	NO
3	3_0759		Residential	G	N	58	53	53	48	58	53	53	48	-4.8	-4.7	-5.1	-5	55	50	NO	NO	NO
3	3_0760		Residential	G	E	56	51	54	49	57	52	54	49	-2.3	-2.6	-2.3	-2.6	55	50	NO	NO	NO
3	3_0761		Residential	G	NW	58	53	53	48	59	53	54	49	-4.4	-4.3	-4.7	-4.5	55	50	NO	NO	NO
3	3_0762		Residential	G	E	60	56	54	49	60	56	55	50	-5.5	-6.3	-5.4	-6.2	55	50	NO	NO	NO
3	3_0763		Residential	G	E	53	48	54	49	54	49	54	49	0.4	0.4	0.3	0.4	55	50	NO	NO	NO
3	3_0764		Residential	G	E	54	49	53	48	55	50	54	49	-1	-0.8	-1.1	-0.9	55	50	NO	NO	NO
3	3_0765		Residential	G	S	50	44	53	48	50	45	53	48	3	3.5	3	3.4	55	50	NO	NO	NO
3	3_0766		Residential	G	E	53	48	53	48	54	49	53	48	-0.5	-0.6	-0.5	-0.6	55	50	NO	NO	NO
3	3_0766		Residential	1	E	56	51	55	50	57	52	56	51	-0.8	-0.8	-0.9	-0.9	55	50	NO	NO	NO
3	3_0767		Residential	G	S	48	43	52	47	49	44	53	48	4.1	4.3	4.2	4.3	55	50	NO	NO	NO
3	3_0767		Residential	1	E	56	51	55	50	57	52	56	51	-1	-1.2	-1	-1.2	55	50	NO	NO	NO
3	3_0768		Residential	G	S	50	45	53	48	50	45	53	48	2.9	3.1	2.9	3	55	50	NO	NO	NO
3	3_0769		Residential	G	S	50	45	52	47	51	46	53	48	2.2	2.3	2.3	2.4	55	50	NO	NO	NO
3	3_0770		Residential	G	E	55	50	53	48	55	51	53	49	-1.8	-2	-1.8	-2	55	50	NO	NO	NO
3	3_0771		Residential	G	S	56	52	54	49	57	52	55	50	-1.8	-2.3	-1.5	-2.1	55	50	NO	NO	NO
3	3_0772		Residential	G	S	54	49	55	49	54	50	55	50	0.7	0.3	0.8	0.4	55	50	NO	NO	NO
3	3_0773		Residential	G	S	53	48	55	50	53	48	55	50	1.9	1.8	2	1.9	55	50	NO	NO	NO
3	3_0774		Residential	G	E	54	49	55	50	54	50	55	50	0.8	0.5	0.8	0.5	55	50	NO	NO	NO
3	3_0775		Residential	G	W	60	55	54	48	61	56	54	49	-6.6	-7	-6.6	-7	55	50	NO	NO	NO
3	3_0776		Residential	G	E	54	50	54	49	55	50	54	50	-0.5	-0.8	-0.5	-0.8	55	50	NO	NO	NO
3	3_0777		Residential	G	E	55	51	54	49	56	51	54	50	-1.3	-1.6	-1.2	-1.6	55	50	NO	NO	NO
3	3_0778		Residential	G	E	55	51	54	49	56	51	55	50	-1.3	-1.6	-1.2	-1.6	55	50	NO	NO	NO
3	3_0779		Residential	G	S	52	47	55	50	53	48	55	50	2.5	2.4	2.6	2.5	55	50	NO	NO	NO
3	3_0780		Residential	G	SE	53	48	54	49	53	48	55	50	1.7	1.5	1.7	1.5	55	50	NO	NO	NO
3	3_0781		Residential	G	NE	56	51	54	49	57	52	54	49	-2.3	-2.5	-2.4	-2.6	55	50	NO	NO	NO
3	3_0782		Residential	G	NE	56	52	54	49	57	52	55	50	-1.9	-2.2	-1.9	-2.2	55	50	NO	NO	NO
3	3_0783		Residential	G	SE	52	47	54	49	53	48	55	50	2	1.9	2	1.9	55	50	NO	NO	NO
3	3_0784		Residential	G	SE	52	47	54	49	53	48	55	50	1.9	1.8	2	1.8	55	50	NO	NO	NO
3	3_0785		Residential	G	SW	54	48	54	49	54	49	55	50	0.4	0.6	0.3	0.6	55	50	NO	NO	NO
3	3_0786		Residential	G	NE	55	51	54	49	56	51	54	49	-1.5	-1.7	-1.4	-1.8	55	50	NO	NO	NO
3	3_0787		Residential	G	SW	53	48	54	49	54	48	55	49	0.8	1.1	0.7	1	55	50	NO	NO	NO
3	3_0788		Residential	G	SE	53	48	54	49	53	48	54	49	1.2	0.9	1.2	1	55	50	NO	NO	NO
3	3_0789		Residential	G	SW	55	49	54	49	55	50	54	49	-0.8	-0.4	-1	-0.5	55	50	NO	NO	NO
3	3_0790		Residential	G	NE	57	52	54	49	57	53	55	50	-2.5	-2.8	-2.6	-2.8	55	50	NO	NO	NO
3	3_0791		Residential	G	NE	57	53	55	50	58	53	55	50	-2.7	-2.9	-2.8	-2.9	55	50	NO	NO	NO
3	3_0792		Residential	G	NE	58	54	55	50	59	54	55	51	-3.3	-3.5	-3.4	-3.6	55	50	NO	NO	NO
3	3_0793		Residential	G	NE	58	53	55	50	58	54	55	51	-3	-3.1	-3	-3.2	55	50	NO	NO	NO
3	3_0794		Residential	G	NE	57	53	55	50	58	54	55	51	-2.7	-2.9	-2.8	-3	55	50	NO	NO	NO
3	3_0795		Residential	G	SE	53	48	54	49	54	49	55	50	1.2	1	1.3	1	55	50	NO	NO	NO
3	3_0796		Residential	G	SE	53	48	54	49	53	49	55	50	1.1	0.9	1.1	0.9	55	50	NO	NO	NO
3	3_0797		Residential	G	NE	59	54	55	51	59	55	56	51	-3.2	-3.4	-3.2	-3.4	55	50	NO	NO	NO
3	3_0798		Residential	G	SW	57	52	55	50	57	52	56	51	-1.4	-1.4	-1.6	-1.4	55	50	NO	NO	NO
3	3_0799		Residential	G	SW	56	51	55	50	57	52	56	51	-1	-0.9	-1.1	-0.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0800		Residential	G	SW	55	50	55	50	56	51	55	51	-0.4	-0.3	-0.6	-0.3	55	50	NO	NO	NO
3	3_0801		Residential	G	SW	55	50	55	50	56	51	55	50	-0.3	-0.3	-0.5	-0.3	55	50	NO	NO	NO
3	3_0802		Residential	G	SW	55	50	55	50	55	50	55	50	-0.3	-0.2	-0.3	-0.2	55	50	NO	NO	NO
3	3_0803		Residential	G	SW	54	49	55	50	55	50	55	50	0.1	0.2	0.1	0.2	55	50	NO	NO	NO
3	3_0804		Residential	G	SW	54	49	55	50	55	50	56	51	0.5	0.5	0.5	0.6	55	50	NO	NO	NO
3	3_0805		Residential	G	SW	55	50	55	50	55	50	55	50	-0.1	-0.1	-0.1	0	55	50	NO	NO	NO
3	3_0806		Residential	G	NE	59	55	56	51	60	56	56	52	-3.5	-3.7	-3.5	-3.7	55	50	NO	NO	NO
3	3_0807		Residential	G	NE	57	53	54	49	58	54	55	50	-3.3	-3.6	-3.4	-3.7	55	50	NO	NO	NO
3	3_0808		Residential	G	SW	57	52	56	51	57	52	56	51	-1	-1.1	-1	-1	55	50	NO	NO	NO
3	3_0809		Residential	G	NE	57	53	54	49	58	53	54	50	-3.1	-3.4	-3.2	-3.5	55	50	NO	NO	NO
3	3_0809		Residential	1	NE	60	56	57	52	60	56	57	53	-3.2	-3.4	-3.2	-3.5	55	50	NO	NO	NO
3	3_0810		Residential	G	SW	55	51	55	50	56	51	56	51	-0.1	-0.2	-0.2	-0.2	55	50	NO	NO	NO
3	3_0811		Residential	G	SW	52	47	54	49	53	48	55	50	1.6	1.7	1.6	1.6	55	50	NO	NO	NO
3	3_0812		Residential	G	E	55	51	55	50	56	51	56	51	-0.1	-0.5	-0.1	-0.5	55	50	NO	NO	NO
3	3_0813		Residential	G	S	52	47	55	50	52	47	55	50	2.9	2.8	2.9	2.7	55	50	NO	NO	NO
3	3_0814		Residential	G	S	52	47	54	49	52	47	55	50	2.7	2.6	2.8	2.6	55	50	NO	NO	NO
3	3_0815		Residential	G	S	50	45	54	49	50	45	55	50	4.4	4.6	4.6	4.6	55	50	NO	NO	NO
3	3_0815		Residential	1	W	57	53	57	52	58	53	57	53	-0.7	-0.9	-0.7	-0.8	55	50	NO	NO	NO
3	3_0815		Residential	1	S	53	48	57	52	54	49	57	52	3.5	3.6	3.7	3.6	55	50	NO	NO	YES
3	3_0816		Residential	G	S	52	47	55	50	53	48	55	50	2.5	2.3	2.5	2.3	55	50	NO	NO	NO
3	3_0817		Residential	G	S	52	47	55	50	53	48	55	50	2.3	2.2	2.4	2.1	55	50	NO	NO	NO
3	3_0818		Residential	G	S	52	47	55	50	53	48	55	50	2.6	2.6	2.7	2.6	55	50	NO	NO	NO
3	3_0819		Residential	G	S	53	48	55	50	53	48	56	51	2.4	2.3	2.5	2.3	55	50	NO	NO	YES
3	3_0820		Residential	G	S	53	48	55	50	54	49	56	51	2.4	2.3	2.5	2.2	55	50	NO	NO	YES
3	3_0821		Residential	G	S	53	48	55	50	54	49	56	51	2.2	2	2.2	1.9	55	50	NO	NO	YES
3	3_0822		Residential	G	S	53	48	55	50	54	49	56	51	1.9	1.6	1.9	1.7	55	50	NO	NO	NO
3	3_0823		Residential	G	W	56	51	55	51	57	52	56	51	-0.5	-0.6	-0.5	-0.6	55	50	NO	NO	NO
3	3_0824		Residential	G	W	55	51	55	50	56	51	56	51	-0.3	-0.6	-0.3	-0.6	55	50	NO	NO	NO
3	3_0825		Residential	G	S	54	49	55	50	54	50	55	50	1.1	0.9	1.3	0.8	55	50	NO	NO	NO
3	3_0826		Residential	G	S	53	49	54	49	54	49	55	50	1	0.8	1.1	0.7	55	50	NO	NO	NO
3	3_0827		Residential	G	E	56	51	54	49	56	52	55	50	-1.6	-1.9	-1.5	-2	55	50	NO	NO	NO
3	3_0828		Residential	G	E	56	52	55	50	57	52	55	50	-1.7	-2.1	-1.8	-2.2	55	50	NO	NO	NO
3	3_0829		Residential	G	SE	58	53	55	51	58	54	56	51	-2.3	-2.6	-2.2	-2.7	55	50	NO	NO	NO
3	3_0830		Residential	G	NE	59	55	55	51	60	55	56	51	-4	-4.2	-4	-4.2	55	50	NO	NO	NO
3	3_0831		Residential	G	N	60	55	56	51	60	56	56	51	-4	-4.3	-4.2	-4.4	55	50	NO	NO	NO
3	3_0832		Residential	G	NE	59	55	55	51	60	55	56	51	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0833		Residential	G	NE	59	55	55	51	60	55	56	51	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0834		Residential	G	NE	60	56	56	51	60	56	56	52	-4	-4.2	-4.1	-4.3	55	50	NO	NO	NO
3	3_0835		Residential	G	NE	61	57	57	52	62	57	57	53	-4.1	-4.3	-4.2	-4.4	55	50	NO	NO	NO
3	3_0836		Residential	G	E	63	58	59	54	63	59	59	55	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0837		Residential	G	N	63	59	59	54	64	60	59	55	-4.6	-4.7	-4.7	-4.7	55	50	NO	NO	NO
3	3_0838		Residential	G	NE	63	59	59	54	64	60	59	55	-4.6	-4.7	-4.7	-4.8	55	50	NO	NO	NO
3	3_0839		Residential	G	N	63	58	58	54	63	59	59	54	-4.6	-4.7	-4.7	-4.8	55	50	NO	NO	NO
3	3_0840		Residential	G	SE	60	56	57	52	61	57	57	53	-3.7	-4	-3.8	-4	55	50	NO	NO	NO
3	3_0841		Residential	G	N	61	57	57	52	62	57	57	53	-4.5	-4.7	-4.5	-4.7	55	50	NO	NO	NO
3	3_0842		Residential	G	E	60	55	56	51	60	56	56	52	-4.1	-4.4	-4.2	-4.4	55	50	NO	NO	NO
3	3_0843		Residential	G	E	58	53	55	50	58	54	56	51	-2.6	-2.9	-2.6	-2.9	55	50	NO	NO	NO
3	3_0844		Residential	G	E	57	53	55	50	58	53	55	51	-2.3	-2.6	-2.3	-2.7	55	50	NO	NO	NO
3	3_0845		Residential	G	E	57	52	55	50	57	53	56	51	-1.6	-1.9	-1.5	-2	55	50	NO	NO	NO
3	3_0846		Residential	G	W	57	52	56	51	58	53	56	52	-1.2	-1.5	-1.2	-1.5	55	50	NO	NO	NO
3	3_0847		Residential	G	S	54	49	55	50	54	50	56	51	1.5	1.2	1.6	1.3	55	50	NO	NO	NO
3	3_0848		Residential	G	W	55	50	55	50	55	51	56	51	0.2	0	0.3	0	55	50	NO	NO	NO
3	3_0849		Residential	G	W	56	52	55	51	57	52	56	51	-0.8	-1	-0.8	-1	55	50	NO	NO	NO
3	3_0850		Residential	G	W	55	51	54	49	56	51	55	50	-1	-1.3	-1	-1.3	55	50	NO	NO	NO
3	3_0851		Residential	G	W	55	50	54	50	55	51	55	50	-0.3	-0.6	-0.3	-0.6	55	50	NO	NO	NO
3	3_0852		Residential	G	W	56	51	55	50	56	52	55	51	-1.2	-1.4	-1.1	-1.4	55	50	NO	NO	NO
3	3_0853		Residential	G	E	56	51	54	49	56	52	55	50	-1.6	-2	-1.6	-2	55	50	NO	NO	NO
3	3_0854		Residential	G	W	55	50	54	49	56	51	55	50	-0.9	-0.9	-0.9	-1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0855		Residential	G	W	56	51	54	50	57	52	55	50	-1.6	-1.8	-1.7	-1.9	55	50	NO	NO	NO
3	3_0856		Residential	G	E	58	54	56	51	59	54	56	52	-2.4	-2.7	-2.4	-2.7	55	50	NO	NO	NO
3	3_0857		Residential	G	W	58	54	56	51	59	54	57	52	-2.3	-2.5	-2.3	-2.6	55	50	NO	NO	NO
3	3_0858		Residential	G	W	58	54	56	51	59	54	57	52	-2.2	-2.4	-2.3	-2.5	55	50	NO	NO	NO
3	3_0859		Residential	G	W	59	54	56	51	60	55	57	52	-2.8	-3	-2.8	-3	55	50	NO	NO	NO
3	3_0860		Residential	G	W	58	53	55	50	58	54	56	51	-2.6	-2.7	-2.7	-2.8	55	50	NO	NO	NO
3	3_0861		Residential	G	W	58	54	55	51	59	54	56	51	-2.9	-3	-3	-3.1	55	50	NO	NO	NO
3	3_0862		Residential	G	W	58	54	55	51	59	54	56	51	-2.9	-3	-2.9	-3.1	55	50	NO	NO	NO
3	3_0863		Residential	G	E	57	52	55	50	57	53	55	50	-2.2	-2.5	-2.1	-2.6	55	50	NO	NO	NO
3	3_0864		Residential	G	W	58	53	55	50	58	54	55	51	-3	-3.2	-3	-3.2	55	50	NO	NO	NO
3	3_0865		Residential	G	E	57	53	56	51	58	53	56	52	-1.5	-1.9	-1.6	-1.9	55	50	NO	NO	NO
3	3_0866		Residential	G	SW	57	53	56	51	58	53	57	52	-1.3	-1.4	-1.2	-1.3	55	50	NO	NO	NO
3	3_0867		Residential	G	E	58	54	56	51	59	55	57	52	-2.4	-2.7	-2.4	-2.8	55	50	NO	NO	NO
3	3_0868		Residential	G	S	49	44	53	47	50	44	53	48	3.2	3.8	3.2	3.9	55	50	NO	NO	NO
3	3_0869		Residential	G	S	49	43	52	47	50	44	52	47	2.7	3.2	2.6	3.2	55	50	NO	NO	NO
3	3_0870		Residential	G	E	53	47	52	47	54	48	52	47	-0.8	-0.2	-1.1	-0.4	55	50	NO	NO	NO
3	3_0871		Residential	G	N	59	53	54	48	60	53	54	49	-5	-4.5	-5.5	-4.9	55	50	NO	NO	NO
3	3_0872		Residential	G	S	50	44	53	48	50	44	54	48	3.3	4.1	3.2	4	55	50	NO	NO	NO
3	3_0873		Residential	G	W	51	45	52	46	52	46	52	47	0.6	1.5	0.3	1.3	55	50	NO	NO	NO
3	3_0874		Residential	G	S	49	44	52	47	50	44	53	47	2.6	3.2	2.5	3.3	55	50	NO	NO	NO
3	3_0875		Residential	G	S	50	44	53	48	50	44	54	49	3.4	4.1	3.3	4.1	55	50	NO	NO	NO
4	4_0001		Residential	G	E	67	60	66	60	67	60	67	60	-0.1	0	-0.2	-0.1	59	54	NO	NO	YES
4	4_0002		Residential	G	W	65	59	65	59	66	59	66	59	0.3	0.5	0.3	0.6	59	54	NO	NO	YES
5	5_0001		Residential	G	W	72	67	72	67	73	67	73	67	0.1	0.2	0	0	55	50	NO	NO	NO
5	5_0002		Residential	G	W	72	67	72	67	73	67	73	67	0.1	0.1	0	0.1	55	50	NO	NO	NO
5	5_0003		Residential	G	N	70	64	70	63	74	67	71	64	-0.4	-0.6	-3.3	-3.1	55	50	NO	NO	NO
5	5_0004		Residential	G	N	75	68	74	67	78	71	75	68	-0.5	-0.6	-3.4	-3.3	55	50	NO	NO	NO
5	5_0004		Residential	1	N	76	69	75	68	79	72	76	69	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
5	5_0005		Residential	G	N	72	65	72	65	76	69	72	66	-0.4	-0.5	-3.4	-3.2	55	50	NO	NO	NO
5	5_0006		Residential	G	N	72	65	71	65	76	69	72	65	-0.5	-0.5	-3.3	-3.3	55	50	NO	NO	NO
5	5_0007		Residential	G	N	71	65	71	64	75	68	72	65	-0.4	-0.5	-3.4	-3.2	55	50	NO	NO	NO
5	5_0008		Residential	G	N	72	65	71	65	76	69	72	65	-0.4	-0.5	-3.4	-3.2	55	50	NO	NO	NO
5	5_0009		Residential	G	N	70	63	70	63	74	67	70	64	-0.4	-0.5	-3.3	-3.2	55	50	NO	NO	NO
5	5_0010		Residential	G	N	73	66	73	66	77	70	73	67	-0.5	-0.6	-3.4	-3.3	55	50	NO	NO	NO
5	5_0010		Residential	G	S	54	48	57	51	57	50	57	52	2.4	3.2	0.1	1.2	55	50	NO	NO	YES
5	5_0011		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.3	-3.2	55	50	NO	NO	NO
5	5_0011		Residential	G	S	56	49	57	51	59	52	58	52	1.5	2.1	-1.2	-0.2	55	50	NO	NO	YES
5	5_0012		Residential	G	N	73	66	72	65	76	69	73	66	-0.4	-0.5	-3.3	-3.1	55	50	NO	NO	NO
5	5_0012		Residential	G	E	59	53	60	54	63	56	61	55	0.8	1.4	-2	-1.3	55	50	NO	NO	YES
5	5_0013		Residential	G	N	72	65	72	65	76	69	73	66	-0.5	-0.6	-3.4	-3.2	55	50	NO	NO	NO
5	5_0014		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.3	-3.1	55	50	NO	NO	NO
5	5_0014		Residential	G	E	62	55	63	57	66	59	64	57	0.8	1.4	-2	-1.3	55	50	NO	NO	YES
5	5_0015		Residential	G	E	58	51	59	53	61	54	60	54	1.5	2.2	-1.2	-0.3	55	50	NO	NO	YES
5	5_0016		Residential	G	E	58	51	60	54	61	54	60	54	2	2.7	-0.9	0.1	55	50	NO	NO	YES
5	5_0017		Residential	G	N	71	64	71	64	75	68	72	65	-0.4	-0.3	-3.2	-3	55	50	NO	NO	NO
5	5_0017		Residential	G	S	56	49	58	52	59	52	58	53	2	2.9	-0.6	0.5	55	50	NO	NO	YES
5	5_0018		Residential	G	N	70	63	69	63	73	66	70	63	-0.2	-0.1	-3.1	-2.9	55	50	NO	NO	NO
5	5_0018		Residential	G	S	56	49	59	53	59	52	59	54	3	4.3	0.7	2.1	55	50	NO	NO	YES
5	5_0019		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.2	-3	55	50	NO	NO	NO
5	5_0019		Residential	G	E	64	57	65	59	67	60	65	59	0.4	1.2	-2.1	-1.2	55	50	NO	NO	YES
5	5_0020		Residential	G	N	70	63	70	63	74	67	71	64	-0.2	0	-3	-2.6	55	50	NO	NO	NO
5	5_0020		Residential	G	S	61	54	62	56	63	57	62	57	0.3	1.4	-1.2	0	55	50	NO	NO	YES
5	5_0021		Residential	G	E	61	54	62	57	64	57	63	57	1.4	2.5	-0.9	0.4	55	50	NO	NO	YES
5	5_0022		Residential	G	N	59	52	60	55	62	55	61	55	1.5	2.4	-1.1	-0.1	55	50	NO	NO	YES
5	5_0023		Residential	G	N	56	50	57	52	58	52	58	53	1.6	2.3	-0.4	0.6	55	50	NO	NO	YES
5	5_0024		Residential	G	N	57	50	58	52	59	53	58	53	1	1.9	-0.9	0.1	55	50	NO	NO	NO
5	5_0025		Residential	G	N	56	50	57	52	59	52	58	52	1.1	1.9	-0.8	0.2	55	50	NO	NO	NO
5	5_0025		Residential	G	E	53	47	56	51	56	50	57	51	2.9	3.7	0.5	1.6	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0026		Residential	G	N	56	50	58	52	59	52	58	53	1.3	2.2	-0.6	0.5	55	50	NO	NO	YES
5	5_0027		Residential	G	N	57	50	58	52	59	52	58	53	1.3	2.3	-0.5	0.6	55	50	NO	NO	YES
5	5_0028		Residential	G	N	57	50	58	53	59	53	59	53	1.2	2.2	-0.5	0.6	55	50	NO	NO	YES
5	5_0029		Residential	G	N	57	51	58	53	59	53	59	53	1.1	2.2	-0.6	0.7	55	50	NO	NO	YES
5	5_0030		Residential	G	N	57	51	58	53	59	53	59	54	1.2	2.3	-0.5	0.8	55	50	NO	NO	YES
5	5_0031		Residential	G	N	57	51	58	53	60	53	59	54	1.2	2.3	-0.4	0.8	55	50	NO	NO	YES
5	5_0032		Residential	G	E	56	50	60	55	59	52	60	55	3.2	4.7	1.5	3	55	50	NO	NO	YES
5	5_0033		Residential	G	E	59	52	61	56	62	55	62	56	2.1	3.4	0	1.4	55	50	NO	NO	YES
5	5_0034		Residential	G	N	58	52	59	54	61	54	60	54	0.8	1.9	-1.1	0	55	50	NO	NO	YES
5	5_0035		Residential	G	N	58	51	59	53	60	54	59	54	0.9	1.9	-1.1	0	55	50	NO	NO	NO
5	5_0035		Residential	G	S	52	46	57	52	55	48	58	53	4.6	5.7	2.8	4.2	55	50	NO	NO	YES
5	5_0036		Residential	G	N	58	51	59	53	60	54	59	54	0.9	1.9	-1.1	0.1	55	50	NO	NO	NO
5	5_0036		Residential	G	E	55	48	57	51	58	51	58	52	2.4	3.1	-0.2	0.9	55	50	NO	NO	YES
5	5_0037		Residential	G	N	57	51	59	53	60	54	59	54	1.5	2.2	-1	0	55	50	NO	NO	YES
5	5_0038		Residential	G	N	58	51	59	53	60	54	59	54	1	1.9	-1.2	-0.2	55	50	NO	NO	NO
5	5_0038		Residential	G	S	53	47	57	52	55	49	57	52	3.9	5	2.2	3.5	55	50	NO	NO	YES
5	5_0039		Residential	G	N	58	52	59	54	61	54	60	54	1.4	2.2	-1	0	55	50	NO	NO	YES
5	5_0040		Residential	G	N	56	50	58	52	60	53	59	53	1.7	2.1	-1	-0.1	55	50	NO	NO	YES
5	5_0041		Residential	G	N	57	50	58	53	60	53	59	53	1.7	2.4	-0.8	0.1	55	50	NO	NO	YES
5	5_0042		Residential	G	N	55	48	57	51	57	51	57	52	2.1	3	0.2	1.4	55	50	NO	NO	YES
5	5_0043		Residential	G	N	55	48	57	51	57	51	57	52	1.9	2.8	0.1	1.2	55	50	NO	NO	YES
5	5_0044		Residential	G	N	55	49	57	52	57	51	58	52	2	3	0.3	1.5	55	50	NO	NO	YES
5	5_0045		Residential	G	E	54	48	58	53	56	50	59	54	3.9	5.4	2.4	3.9	55	50	NO	NO	YES
5	5_0045		Residential	1	E	56	50	60	54	58	52	60	55	3.5	4.8	1.9	3.3	55	50	NO	NO	YES
5	5_0046		Residential	G	E	54	47	58	53	56	49	58	53	3.6	5.2	2.3	4	55	50	NO	NO	YES
5	5_0047		Residential	G	E	54	47	57	52	56	49	58	53	3.6	5	2.4	3.9	55	50	NO	NO	YES
5	5_0048		Residential	G	E	54	47	57	52	55	49	58	53	3.6	5.1	2.3	4	55	50	NO	NO	YES
5	5_0049		Residential	G	E	53	47	57	52	55	49	58	52	4.3	5.2	2.6	3.8	55	50	NO	NO	YES
5	5_0050		Residential	G	N	58	51	59	53	61	54	59	53	1	1.5	-1.6	-0.9	55	50	NO	NO	NO
5	5_0050		Residential	G	E	55	48	58	52	58	51	58	53	3	3.9	0.7	1.7	55	50	NO	NO	YES
5	5_0051		Residential	G	N	58	52	59	53	61	55	59	54	0.9	1.4	-1.7	-0.9	55	50	NO	NO	NO
5	5_0051		Residential	G	S	52	47	55	50	55	49	56	51	3	3.6	1.2	2.2	55	50	NO	NO	YES
5	5_0052		Residential	G	E	54	47	56	50	57	50	56	51	2	2.6	-0.5	0.5	55	50	NO	NO	NO
5	5_0052		Residential	G	S	53	47	55	50	55	49	56	51	2.9	3.5	1.2	2.2	55	50	NO	NO	YES
5	5_0053		Residential	G	N	59	52	59	54	62	55	60	54	0.8	1.3	-1.7	-1	55	50	NO	NO	NO
5	5_0053		Residential	G	E	57	51	59	53	61	54	60	54	1.6	2.2	-1.1	-0.2	55	50	NO	NO	YES
5	5_0054		Residential	G	S	52	47	55	50	55	49	56	50	2.7	3.2	0.9	1.8	55	50	NO	NO	NO
5	5_0055		Residential	G	N	57	51	57	52	60	53	58	52	0.8	1.1	-1.7	-1	55	50	NO	NO	NO
5	5_0056		Residential	G	N	59	53	59	53	62	55	60	54	0.3	0.6	-2.1	-1.6	55	50	NO	NO	NO
5	5_0057		Residential	G	N	57	51	58	52	60	54	59	53	0.7	0.9	-1.8	-1.1	55	50	NO	NO	NO
5	5_0058		Residential	G	W	58	52	58	52	61	55	59	53	0	0	-2	-1.6	55	50	NO	NO	NO
5	5_0059		Residential	G	N	55	49	56	50	58	51	56	51	0.8	1.1	-1.3	-0.7	55	50	NO	NO	NO
5	5_0060		Residential	G	N	60	54	60	54	63	57	61	55	0.2	0.2	-2	-1.6	55	50	NO	NO	NO
5	5_0061		Residential	G	N	58	52	59	53	61	55	59	54	0.3	0.5	-2	-1.5	55	50	NO	NO	NO
5	5_0062		Residential	G	W	62	57	62	57	64	58	63	57	0	-0.1	-1.2	-0.9	55	50	NO	NO	NO
5	5_0063		Residential	G	N	56	50	57	52	58	52	58	52	1.5	2.2	-0.4	0.5	55	50	NO	NO	YES
5	5_0064		Residential	G	N	55	49	56	51	58	51	57	52	1.9	2.4	-0.5	0.4	55	50	NO	NO	YES
5	5_0064		Residential	1	N	58	52	59	54	61	54	60	54	0.9	1.6	-0.9	0	55	50	NO	NO	YES
5	5_0065		Residential	G	N	56	50	57	51	58	52	58	52	1.2	1.8	-0.7	0.1	55	50	NO	NO	NO
5	5_0065		Residential	G	N	55	49	56	51	58	51	57	52	1.8	2.2	-0.5	0.3	55	50	NO	NO	YES
5	5_0066		Residential	G	N	56	50	57	51	58	52	58	52	1.1	1.7	-0.8	0	55	50	NO	NO	NO
5	5_0066		Residential	G	E	55	48	56	51	57	51	57	51	1.3	2.2	-0.7	0.4	55	50	NO	NO	YES
5	5_0067		Residential	G	N	56	50	57	51	58	52	58	52	1	1.6	-0.8	-0.1	55	50	NO	NO	NO
5	5_0068		Residential	G	N	56	50	57	51	58	52	57	52	1.1	1.7	-0.8	0	55	50	NO	NO	NO
5	5_0068		Residential	G	N	54	48	56	51	57	51	57	51	1.9	2.4	-0.3	0.5	55	50	NO	NO	YES
5	5_0069		Residential	G	N	56	50	57	52	59	52	58	52	0.9	1.3	-1	-0.3	55	50	NO	NO	NO
5	5_0070		Residential	G	N	57	51	57	52	59	53	58	53	0.7	1	-1.1	-0.5	55	50	NO	NO	NO
5	5_0071		Residential	G	N	57	51	57	52	59	53	58	53	0.8	1	-1	-0.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0072		Residential	G	N	57	52	58	52	59	53	58	53	0.7	0.8	-0.9	-0.4	55	50	NO	NO	NO
5	5_0073		Residential	G	N	58	52	58	53	59	54	59	54	0.7	0.8	-0.6	-0.1	55	50	NO	NO	NO
5	5_0074		Residential	G	N	54	48	56	51	57	50	57	52	2.1	2.9	0.3	1.4	55	50	NO	NO	YES
5	5_0075		Residential	G	N	54	48	56	51	57	50	57	52	2.2	3	0.4	1.5	55	50	NO	NO	YES
5	5_0076		Residential	G	N	55	49	56	51	57	51	57	51	1.4	2	-0.3	0.6	55	50	NO	NO	NO
5	5_0077		Residential	G	N	55	49	56	51	57	51	57	51	1.2	1.7	-0.5	0.3	55	50	NO	NO	NO
5	5_0078		Residential	G	N	55	49	56	51	57	51	57	51	1.4	1.9	-0.4	0.5	55	50	NO	NO	NO
5	5_0079		Residential	G	N	54	48	55	50	56	50	56	51	1.7	2	-0.3	0.5	55	50	NO	NO	NO
5	5_0080		Residential	G	N	54	48	55	50	57	50	56	51	1.3	1.7	-0.5	0.3	55	50	NO	NO	NO
5	5_0081		Residential	G	N	55	50	56	51	58	52	57	52	1.2	1.4	-0.5	0.1	55	50	NO	NO	NO
5	5_0081		Residential	G	E	53	48	56	51	56	50	57	51	2.5	2.9	0.4	1.2	55	50	NO	NO	YES
5	5_0082		Residential	G	N	55	50	56	51	57	51	57	51	0.9	1	-0.8	-0.2	55	50	NO	NO	NO
5	5_0082		Residential	1	N	58	52	59	54	60	54	59	54	0.9	1.2	-0.6	-0.1	55	50	NO	NO	NO
5	5_0082		Residential	1	E	55	49	58	53	58	52	59	53	2.9	3.3	1	1.8	55	50	NO	NO	YES
5	5_0083		Residential	G	W	57	52	57	52	58	53	58	53	0.4	0.5	-0.5	-0.2	55	50	NO	NO	NO
5	5_0084		Residential	G	W	56	51	56	51	57	52	56	51	0.3	0.3	-0.5	-0.2	55	50	NO	NO	NO
5	5_0085		Residential	G	N	53	47	56	51	56	49	57	51	2.9	3.6	1	2.1	55	50	NO	NO	YES
5	5_0086		Residential	G	N	54	48	56	51	56	50	57	52	2.7	3.3	1	1.9	55	50	NO	NO	YES
5	5_0087		Residential	G	N	54	48	56	51	56	50	57	51	2.3	3	0.7	1.6	55	50	NO	NO	YES
5	5_0088		Residential	G	N	54	48	56	50	56	50	56	51	1.9	2.5	0.3	1.2	55	50	NO	NO	NO
5	5_0089		Residential	G	N	54	48	56	50	56	50	56	51	1.9	2.4	0.3	1.1	55	50	NO	NO	NO
5	5_0090		Residential	G	N	54	48	56	50	56	50	56	51	1.8	2.3	0.2	1	55	50	NO	NO	NO
5	5_0091		Residential	G	N	54	48	55	50	56	50	56	51	1.5	2	0	0.8	55	50	NO	NO	NO
5	5_0092		Residential	G	N	54	48	55	50	56	50	56	51	1.4	1.8	0.1	0.8	55	50	NO	NO	NO
5	5_0093		Residential	G	E	53	47	57	52	55	49	58	53	4.1	5.4	2.8	4.3	55	50	NO	NO	YES
5	5_0094		Residential	G	E	52	46	56	51	54	47	57	52	4.4	5.6	3.3	4.7	55	50	NO	NO	YES
5	5_0095		Residential	G	E	53	47	57	52	55	48	57	52	3.8	5.3	2.7	4.3	55	50	NO	NO	YES
5	5_0096		Residential	G	E	53	46	57	52	55	48	58	53	4.2	5.5	3.1	4.5	55	50	NO	NO	YES
5	5_0097		Residential	G	E	52	46	56	51	54	47	57	52	4.1	5.3	3.2	4.6	55	50	NO	NO	YES
5	5_0098		Residential	G	SE	52	46	56	51	53	47	57	52	4.3	5.4	3.4	4.7	55	50	NO	NO	YES
5	5_0099		Residential	G	NE	52	46	56	51	54	47	57	52	4.3	5.4	3.2	4.5	55	50	NO	NO	YES
5	5_0100		Residential	G	SE	52	46	56	51	53	47	56	51	3.8	4.8	3.2	4.3	55	50	NO	NO	YES
5	5_0101		Residential	G	SE	50	45	55	50	51	46	55	50	4.4	4.9	3.9	4.5	55	50	NO	NO	NO
5	5_0102		Residential	G	SE	50	44	55	50	51	45	55	50	4.7	5.2	4.1	4.9	55	50	NO	NO	NO
5	5_0103		Residential	G	SE	52	46	55	50	53	47	56	51	3.7	4.1	3.3	4	55	50	NO	NO	YES
5	5_0104		Residential	G	S	52	47	55	50	53	48	56	51	3.1	3.3	2.9	3.2	55	50	NO	NO	YES
5	5_0105		Residential	G	S	53	49	55	51	54	49	56	51	2	2.1	1.9	2	55	50	NO	NO	YES
5	5_0106		Residential	G	S	52	47	55	50	53	48	56	51	3.1	3.3	2.9	3.2	55	50	NO	NO	YES
5	5_0107		Residential	G	SE	52	47	55	50	53	47	56	51	3.4	3.6	3.1	3.4	55	50	NO	NO	YES
5	5_0108		Residential	G	SE	51	45	55	50	51	46	55	50	3.9	4.5	3.7	4.5	55	50	NO	NO	NO
5	5_0108		Residential	1	NE	54	48	57	52	56	49	58	53	3.5	4.4	2.3	3.4	55	50	NO	NO	YES
5	5_0109		Residential	G	SE	51	45	55	50	52	46	55	50	4	4.5	3.3	4.1	55	50	NO	NO	NO
5	5_0110		Residential	G	SE	52	46	56	51	53	47	56	51	3.6	4.5	2.9	3.9	55	50	NO	NO	YES
5	5_0111		Residential	G	SE	53	46	56	51	54	48	57	52	3.7	4.8	2.9	4.1	55	50	NO	NO	YES
5	5_0112		Residential	G	N	53	46	56	51	54	48	57	52	3.8	4.9	2.6	3.9	55	50	NO	NO	YES
5	5_0113		Residential	G	E	52	46	57	51	54	48	57	52	4.1	5.3	2.9	4.3	55	50	NO	NO	YES
5	5_0114		Residential	G	E	52	46	57	51	54	48	57	52	4.2	5.4	2.9	4.3	55	50	NO	NO	YES
5	5_0115		Residential	G	E	53	46	57	52	55	48	57	52	4.1	5.3	2.8	4.1	55	50	NO	NO	YES
5	5_0116		Residential	G	E	53	46	57	51	55	48	57	52	4	5.1	2.7	4	55	50	NO	NO	YES
5	5_0117		Residential	G	N	54	48	55	50	56	50	56	51	1.7	2	0.3	1	55	50	NO	NO	NO
5	5_0118		Residential	G	N	53	48	55	50	55	49	56	51	2.1	2.5	0.7	1.4	55	50	NO	NO	NO
5	5_0119		Residential	G	N	53	48	56	50	55	49	56	51	2.4	2.9	1	1.8	55	50	NO	NO	YES
5	5_0120		Residential	G	N	53	47	55	50	55	49	56	51	2.3	3	0.8	1.7	55	50	NO	NO	NO
5	5_0121		Residential	G	NE	53	47	56	51	55	49	57	52	3.6	4.4	2	3.1	55	50	NO	NO	YES
5	5_0122		Residential	G	E	53	46	56	51	55	48	57	52	3.6	4.5	2.2	3.3	55	50	NO	NO	YES
5	5_0123		Residential	G	NE	52	46	56	51	54	47	56	51	3.8	4.8	2.6	3.8	55	50	NO	NO	YES
5	5_0124		Residential	G	E	52	46	56	51	54	48	56	51	4	4.8	2.7	3.7	55	50	NO	NO	YES
5	5_0125		Residential	G	E	52	47	56	50	54	48	56	51	3.1	3.8	1.7	2.7	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0126		Residential	G	E	51	46	54	49	53	47	55	50	3	3.7	1.7	2.6	55	50	NO	NO	NO
5	5_0127		Residential	G	E	52	46	56	51	54	48	56	51	3.9	4.7	2.7	3.7	55	50	NO	NO	YES
5	5_0128		Residential	G	N	53	47	55	50	55	48	56	51	2.5	3.2	1.4	2.4	55	50	NO	NO	YES
5	5_0129		Residential	G	E	52	47	55	50	55	48	55	50	2.4	2.9	0.9	1.7	55	50	NO	NO	NO
5	5_0130		Residential	G	W	55	50	55	50	56	51	56	51	0.4	0.4	-0.3	-0.1	55	50	NO	NO	NO
5	5_0131		Residential	G	N	54	49	56	51	56	50	56	51	1.5	1.7	0.4	0.9	55	50	NO	NO	NO
5	5_0132		Residential	G	W	55	50	55	50	56	51	55	50	0.1	0.1	-0.5	-0.3	55	50	NO	NO	NO
5	5_0132		Residential	1	N	57	52	58	53	59	53	59	54	1.1	1.3	0.2	0.6	55	50	NO	NO	NO
5	5_0132		Residential	1	E	54	48	57	52	56	50	58	53	3	3.7	1.7	2.5	55	50	NO	NO	YES
5	5_0133		Residential	G	E	52	46	55	50	54	48	56	50	3	3.6	1.7	2.5	55	50	NO	NO	NO
5	5_0134		Residential	G	E	52	47	55	50	54	48	56	51	2.9	3.5	1.7	2.5	55	50	NO	NO	YES
5	5_0135		Residential	G	W	55	50	55	51	56	51	56	51	0.3	0.4	-0.1	0.1	55	50	NO	NO	NO
5	5_0135		Residential	G	E	52	47	55	50	54	48	56	51	2.8	3.2	1.6	2.3	55	50	NO	NO	YES
5	5_0136		Residential	G	W	55	50	56	51	56	51	56	51	0.4	0.4	-0.1	0.2	55	50	NO	NO	NO
5	5_0137		Residential	G	W	55	51	56	51	56	51	56	51	0.4	0.4	0	0.1	55	50	NO	NO	NO
5	5_0138		Residential	G	E	52	46	55	50	54	48	55	50	2.9	3.4	1.8	2.5	55	50	NO	NO	NO
5	5_0139		Residential	G	E	51	45	55	50	52	46	56	50	4.5	5.2	3.2	4.2	55	50	NO	NO	YES
5	5_0139		Residential	1	S	56	51	58	53	56	51	58	53	1.9	1.9	1.8	1.9	55	50	NO	NO	NO
5	5_0139		Residential	1	E	54	48	57	52	55	49	58	52	3.3	3.9	2.4	3.2	55	50	NO	NO	YES
5	5_0140		Residential	G	E	52	46	55	50	53	47	56	51	3.5	4.1	2.6	3.3	55	50	NO	NO	YES
5	5_0141		Residential	G	SE	53	48	56	51	54	48	56	51	2.6	2.9	2.1	2.7	55	50	NO	NO	YES
5	5_0142		Residential	G	SE	55	50	57	52	56	51	57	53	1.8	2	1.6	1.9	55	50	NO	NO	NO
5	5_0142		Residential	G	NE	52	47	55	50	53	48	56	51	3.1	3.6	2.5	3.2	55	50	NO	NO	YES
5	5_0143		Residential	G	E	52	46	56	51	53	47	57	52	4.7	5.9	3.7	5	55	50	NO	NO	YES
5	5_0144		Residential	G	E	50	45	56	51	52	46	56	51	5.1	6	4.1	5.2	55	50	NO	NO	YES
5	5_0145		Residential	G	N	52	47	55	50	54	48	55	50	2.2	2.8	1.5	2.2	55	50	NO	NO	NO
5	5_0146		Residential	G	N	53	48	55	50	54	49	56	51	2.3	2.7	1.5	2.2	55	50	NO	NO	YES
5	5_0147		Residential	G	NW	53	48	55	50	54	49	55	50	1.9	2.4	1.2	1.9	55	50	NO	NO	NO
5	5_0148		Residential	G	N	52	47	54	49	53	48	55	50	2.2	2.6	1.3	2	55	50	NO	NO	NO
5	5_0149		Residential	G	NW	54	49	55	50	55	50	56	51	0.9	1	0.4	0.6	55	50	NO	NO	NO
5	5_0149		Residential	1	NE	53	47	57	52	54	49	57	52	3.7	4.3	2.9	3.6	55	50	NO	NO	YES
5	5_0150		Residential	G	NW	55	50	56	51	56	51	56	51	0.9	1	0.5	0.7	55	50	NO	NO	NO
5	5_0151		Residential	G	N	55	50	56	51	56	50	57	52	1.6	1.9	1.2	1.6	55	50	NO	NO	NO
5	5_0151		Residential	G	S	53	48	55	50	53	48	56	51	2.7	2.7	2.7	2.8	55	50	NO	NO	YES
5	5_0152		Residential	G	NW	54	49	54	49	54	49	55	50	0.8	0.8	0.2	0.3	55	50	NO	NO	NO
5	5_0152		Residential	1	NE	54	49	57	52	56	50	58	53	2.9	3.2	2.3	2.9	55	50	NO	NO	YES
5	5_0153		Residential	G	NW	54	48	55	50	55	49	56	51	1.6	2	1	1.5	55	50	NO	NO	NO
5	5_0154		Residential	G	NW	54	48	55	50	55	49	56	51	1.8	2.2	1.2	1.7	55	50	NO	NO	NO
5	5_0155		Residential	G	N	52	47	55	50	54	48	55	50	2.5	2.7	1.6	2.2	55	50	NO	NO	NO
5	5_0156		Residential	G	E	51	45	56	51	53	47	56	51	4.4	5.4	3.5	4.6	55	50	NO	NO	YES
5	5_0157		Residential	G	E	51	45	56	51	53	46	57	52	5.1	6.2	4.3	5.4	55	50	NO	NO	YES
5	5_0158		Residential	G	E	51	45	56	51	52	46	57	52	5.2	6.3	4.4	5.6	55	50	NO	NO	YES
5	5_0159		Residential	G	E	51	45	56	51	52	46	57	52	5.3	6.3	4.4	5.6	55	50	NO	NO	YES
5	5_0160		Residential	G	E	51	45	56	51	52	46	57	52	5.3	6.3	4.4	5.7	55	50	NO	NO	YES
5	5_0161		Residential	G	E	51	45	56	51	52	46	57	52	5.2	6.3	4.5	5.7	55	50	NO	NO	YES
5	5_0162		Residential	G	E	51	44	56	51	52	46	56	51	5.2	6.3	4.5	5.7	55	50	NO	NO	YES
5	5_0163		Residential	G	E	50	44	55	50	52	45	56	51	5	6	4.5	5.5	55	50	NO	NO	YES
5	5_0164		Residential	G	E	49	44	55	50	51	45	55	50	5.4	6.1	4.9	5.8	55	50	NO	NO	NO
5	5_0165		Residential	G	N	53	47	56	51	54	48	57	52	3.9	4.4	3.2	3.9	55	50	NO	NO	YES
5	5_0166		Residential	G	N	53	47	55	50	54	48	56	51	2.5	3	1.8	2.5	55	50	NO	NO	YES
5	5_0167		Residential	G	N	53	48	56	51	54	49	56	51	2.7	3.1	2.1	2.7	55	50	NO	NO	YES
5	5_0168		Residential	G	N	52	47	54	49	53	48	55	50	2.2	2.5	1.6	2.2	55	50	NO	NO	NO
5	5_0169		Residential	G	E	51	45	55	50	52	46	56	51	4.5	5.1	3.9	4.7	55	50	NO	NO	YES
5	5_0170		Residential	G	N	52	46	56	51	53	47	57	52	4.1	4.7	3.5	4.3	55	50	NO	NO	YES
5	5_0171		Residential	G	N	54	49	56	51	55	49	56	51	1.8	2.1	1.3	1.8	55	50	NO	NO	YES
5	5_0171		Residential	1	N	56	51	57	52	57	51	58	53	1.5	1.7	1.1	1.4	55	50	NO	NO	NO
5	5_0171		Residential	1	N	55	49	57	52	56	50	57	52	2.1	2.3	1.6	1.9	55	50	NO	NO	YES
5	5_0172		Residential	G	N	52	46	54	49	53	47	55	50	2.8	3.4	2.2	2.8	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0173		Residential	G	N	52	46	56	51	53	47	57	52	4.1	4.8	3.5	4.3	55	50	NO	NO	YES
5	5_0174		Residential	G	NE	51	46	55	50	53	47	56	51	3.9	4.6	3.2	4	55	50	NO	NO	YES
5	5_0175		Residential	G	NE	51	45	55	49	52	46	55	50	3.7	4.4	2.9	3.7	55	50	NO	NO	NO
5	5_0176		Residential	G	NE	50	44	55	50	52	46	55	50	4.2	5.1	3.5	4.4	55	50	NO	NO	NO
5	5_0177		Residential	G	NE	49	44	54	49	51	45	55	50	5	5.5	4.2	4.9	55	50	NO	NO	NO
5	5_0178		Residential	G	SE	48	43	53	48	49	44	54	49	4.7	5.1	4.6	5.1	55	50	NO	NO	NO
5	5_0179		Residential	G	NE	50	45	56	50	52	46	56	51	5.1	5.9	4.3	5.3	55	50	NO	NO	YES
5	5_0180		Residential	G	NE	51	45	55	50	52	46	55	50	4	4.6	3.2	4.1	55	50	NO	NO	NO
5	5_0181		Residential	G	SE	50	44	55	50	51	45	55	50	4.9	5.5	4.6	5.3	55	50	NO	NO	NO
5	5_0182		Residential	G	E	50	44	55	50	51	45	55	50	4.5	5.4	4	4.9	55	50	NO	NO	NO
5	5_0183		Residential	G	NE	51	45	55	50	52	46	55	50	4.2	4.9	3.6	4.4	55	50	NO	NO	NO
5	5_0184		Residential	G	N	50	45	53	48	51	46	54	49	2.8	3.4	2.1	2.9	55	50	NO	NO	NO
5	5_0185		Residential	G	N	50	45	54	49	52	46	55	50	3.7	4.2	3	3.7	55	50	NO	NO	NO
5	5_0186		Residential	G	E	50	44	54	49	51	45	54	49	4.1	4.8	3.4	4.3	55	50	NO	NO	NO
5	5_0187		Residential	G	NE	49	43	53	48	50	44	53	48	3.9	4.5	3.2	4	55	50	NO	NO	NO
5	5_0188		Residential	G	NE	50	44	54	49	51	45	55	50	4.3	5.3	3.6	4.7	55	50	NO	NO	NO
5	5_0189		Residential	G	NE	50	44	54	49	51	45	55	50	4.4	5.2	3.6	4.7	55	50	NO	NO	NO
5	5_0190		Residential	G	NE	50	44	54	49	51	45	55	50	4.5	5.4	3.7	4.7	55	50	NO	NO	NO
5	5_0191		Residential	G	NE	49	43	54	49	51	45	55	49	4.6	5.5	3.8	4.8	55	50	NO	NO	NO
5	5_0192		Residential	G	N	49	43	54	49	51	45	54	49	4.5	5.4	3.8	4.8	55	50	NO	NO	NO
5	5_0192		Residential	1	N	51	45	56	51	52	46	57	52	5.1	5.9	4.5	5.4	55	50	NO	NO	YES
5	5_0193		Residential	G	SE	48	41	53	47	48	42	53	48	4.9	6	4.7	5.9	55	50	NO	NO	NO
5	5_0193		Residential	1	SE	50	44	55	50	51	45	56	51	5.3	6	5	5.9	55	50	NO	NO	YES
5	5_0194		Residential	G	E	49	43	53	48	50	44	53	48	4.1	4.8	3.9	4.7	55	50	NO	NO	NO
5	5_0195		Residential	G	SE	49	43	53	47	49	44	53	48	3.9	4.4	3.6	4.3	55	50	NO	NO	NO
5	5_0196		Residential	G	E	49	43	52	47	50	44	52	47	2.7	3.3	2.3	3	55	50	NO	NO	NO
5	5_0197		Residential	G	N	50	44	54	49	51	45	54	49	4	4.6	3.2	4.1	55	50	NO	NO	NO
5	5_0198		Residential	G	N	50	44	53	48	51	45	54	49	3.1	3.8	2.5	3.2	55	50	NO	NO	NO
5	5_0199		Residential	G	N	50	44	54	49	51	45	54	49	3.7	4.3	3.1	3.9	55	50	NO	NO	NO
5	5_0200		Residential	G	N	50	45	54	49	52	46	55	50	3.7	4.3	3.1	3.9	55	50	NO	NO	NO
5	5_0201		Residential	G	N	50	44	53	48	51	45	54	49	3.8	4.4	3	3.9	55	50	NO	NO	NO
5	5_0201		Residential	1	N	52	47	56	51	53	47	56	52	4	4.4	3.5	4.1	55	50	NO	NO	YES
5	5_0202		Residential	G	NE	50	44	55	50	51	45	55	50	5	5.9	4.3	5.4	55	50	NO	NO	NO
5	5_0202		Residential	1	NE	52	47	56	51	54	48	57	52	3.9	4.3	3.3	4	55	50	NO	NO	YES
5	5_0203		Residential	G	W	55	50	56	51	55	50	56	51	0.7	0.7	0.4	0.6	55	50	NO	NO	NO
5	5_0204		Residential	G	W	50	45	52	47	51	46	52	47	1.4	1.4	1	1.2	55	50	NO	NO	NO
5	5_0205		Residential	G	N	49	43	54	49	50	44	55	50	5.2	5.9	4.8	5.5	55	50	NO	NO	NO
5	5_0205		Residential	1	N	51	45	56	51	52	46	56	51	5	5.5	4.6	5.3	55	50	NO	NO	YES
5	5_0206		Residential	G	N	49	43	54	49	50	44	55	50	5.4	6	5	5.7	55	50	NO	NO	NO
5	5_0207		Residential	G	N	49	44	55	50	50	45	55	50	5.4	6	5	5.7	55	50	NO	NO	NO
5	5_0208		Residential	G	N	49	44	55	50	50	45	55	50	5.3	5.9	4.9	5.6	55	50	NO	NO	NO
5	5_0209		Residential	G	N	49	43	54	49	50	44	55	50	5.6	6.2	5.3	5.9	55	50	NO	NO	NO
5	5_0210		Residential	G	N	49	43	55	50	50	44	55	50	6.2	7	5.7	6.7	55	50	NO	NO	NO
5	5_0210		Residential	1	N	50	44	56	51	51	45	57	52	5.9	6.5	5.4	6.2	55	50	NO	NO	YES
5	5_0211		Residential	G	N	48	43	55	50	49	43	55	50	6.1	7	5.7	6.7	55	50	NO	NO	NO
5	5_0212		Residential	G	E	48	42	54	49	49	43	55	50	6.2	7.2	5.9	7	55	50	NO	NO	NO
5	5_0213		Residential	G	E	47	41	54	49	48	41	55	50	7	8.3	6.9	8.3	55	50	NO	NO	NO
5	5_0213		Residential	1	N	50	44	56	51	51	45	57	52	6.2	7.1	5.6	6.6	55	50	NO	NO	YES
5	5_0214		Residential	G	E	48	42	54	49	49	43	55	50	6.1	7.2	5.9	7	55	50	NO	NO	NO
5	5_0215		Residential	G	N	49	44	56	51	51	45	56	51	6.4	7.3	5.8	6.8	55	50	NO	NO	YES
5	5_0216		Residential	G	NE	49	43	55	50	51	44	56	51	6	7	5.5	6.5	55	50	NO	NO	YES
5	5_0217		Residential	G	NE	49	43	55	50	51	44	56	51	5.8	6.8	5.3	6.3	55	50	NO	NO	YES
5	5_0218		Residential	G	NE	49	43	55	50	50	44	56	51	6.2	7.2	5.6	6.7	55	50	NO	NO	YES
5	5_0219		Residential	G	NE	49	43	55	50	50	44	56	51	6.1	6.9	5.5	6.5	55	50	NO	NO	YES
5	5_0220		Residential	G	NE	49	43	55	50	50	44	55	50	5.8	6.8	5.2	6.3	55	50	NO	NO	NO
5	5_0221		Residential	G	E	49	43	54	49	50	44	55	50	5.7	6.6	5	6.1	55	50	NO	NO	NO
5	5_0222		Residential	G	N	47	41	54	49	48	42	54	49	7.1	7.9	6.8	7.7	55	50	NO	NO	NO
5	5_0223		Residential	G	N	49	43	56	51	51	44	56	51	6.7	7.6	5.9	7	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0223		Residential	1	N	50	45	57	52	52	46	57	52	6.3	7.1	5.5	6.5	55	50	NO	NO	YES
5	5_0224		Residential	G	NE	49	43	56	51	51	45	57	52	6.5	7.5	5.8	6.9	55	50	NO	NO	YES
5	5_0225		Residential	G	NE	50	43	56	51	51	45	57	52	6.4	7.5	5.8	6.9	55	50	NO	NO	YES
5	5_0226		Residential	G	NE	49	43	56	51	51	45	57	52	6.5	7.5	5.9	7	55	50	NO	NO	YES
5	5_0227		Residential	G	NE	49	43	56	51	50	44	56	51	7.1	8.2	6.5	7.8	55	50	NO	NO	YES
5	5_0228		Residential	G	NE	49	43	56	51	50	44	57	52	6.9	7.9	6.3	7.5	55	50	NO	NO	YES
5	5_0229		Residential	G	NE	49	43	56	51	50	44	57	52	6.8	7.9	6.2	7.4	55	50	NO	NO	YES
5	5_0230		Residential	G	E	49	42	56	50	50	43	56	51	7	8.1	6.5	7.8	55	50	NO	NO	YES
5	5_0231		Residential	G	E	49	43	55	50	50	43	56	51	6.4	7.3	6.2	7.2	55	50	NO	NO	YES
5	5_0232		Residential	G	NE	49	42	55	50	50	43	56	51	6.7	7.8	6.2	7.4	55	50	NO	NO	YES
5	5_0233		Residential	G	E	48	42	54	49	49	42	55	50	6.7	7.7	6.4	7.5	55	50	NO	NO	NO
5	5_0234		Residential	G	N	48	43	52	47	50	44	53	48	3.8	4.4	3.2	4	55	50	NO	NO	NO
5	5_0235		Residential	G	N	49	44	54	49	50	45	54	49	4.3	4.9	3.8	4.4	55	50	NO	NO	NO
5	5_0236		Residential	G	N	50	44	53	48	51	45	53	48	3.3	3.8	2.8	3.4	55	50	NO	NO	NO
5	5_0237		Residential	G	N	50	44	54	49	51	45	55	50	4.5	5.1	3.9	4.7	55	50	NO	NO	NO
5	5_0238		Residential	G	N	48	42	53	48	49	43	54	49	5	5.5	4.7	5.3	55	50	NO	NO	NO
5	5_0239		Residential	G	E	49	43	55	50	50	44	55	50	5.8	6.9	5.2	6.4	55	50	NO	NO	NO
5	5_0240		Residential	G	NE	49	43	55	50	50	44	56	51	6.3	7.4	5.7	6.8	55	50	NO	NO	YES
5	5_0240		Residential	1	NE	50	44	56	51	51	45	57	52	6.2	7.1	5.6	6.6	55	50	NO	NO	YES
5	5_0241		Residential	G	NE	50	44	55	50	51	45	56	51	5.4	6.2	4.8	5.8	55	50	NO	NO	YES
5	5_0242		Residential	G	N	50	44	55	50	51	45	56	51	5.5	6.2	4.9	5.8	55	50	NO	NO	YES
5	5_0243		Residential	G	NW	50	45	53	48	51	46	53	48	2.9	3.3	2.3	2.9	55	50	NO	NO	NO
5	5_0244		Residential	G	SE	49	43	53	48	49	44	54	49	4.7	5.4	4.6	5.2	55	50	NO	NO	NO
5	5_0245		Residential	G	SE	49	43	53	48	50	44	53	48	4.1	4.7	3.9	4.6	55	50	NO	NO	NO
5	5_0246		Residential	G	SE	49	43	53	48	50	44	53	48	3.7	4.3	3.6	4.2	55	50	NO	NO	NO
5	5_0247		Residential	G	NE	48	42	52	47	50	43	53	48	4.2	5.1	3.4	4.5	55	50	NO	NO	NO
5	5_0247		Residential	1	NE	50	45	56	51	52	46	56	51	5.1	5.8	4.6	5.4	55	50	NO	NO	YES
5	5_0248		Residential	G	NW	51	46	53	48	52	47	54	49	1.9	2.1	1.5	1.9	55	50	NO	NO	NO
5	5_0249		Residential	G	NE	51	45	56	51	52	46	57	52	5.2	6	4.3	5.4	55	50	NO	NO	YES
5	5_0250		Residential	G	NE	50	44	56	51	52	46	56	51	5.5	6.5	4.7	5.8	55	50	NO	NO	YES
5	5_0251		Residential	G	NE	50	44	56	51	51	45	56	51	5.8	6.8	4.9	6	55	50	NO	NO	YES
5	5_0251		Residential	1	NE	51	45	57	51	53	47	57	52	5.3	6.1	4.5	5.4	55	50	NO	NO	YES
5	5_0252		Residential	G	NE	50	44	54	49	51	45	55	50	4.7	5.7	3.8	4.9	55	50	NO	NO	NO
5	5_0253		Residential	G	NE	50	44	56	51	52	46	57	51	5.6	6.4	4.8	5.8	55	50	NO	NO	YES
5	5_0254		Residential	G	NE	50	44	56	51	52	46	57	52	5.6	6.5	4.9	5.9	55	50	NO	NO	YES
5	5_0255		Residential	G	NE	50	44	56	51	52	46	57	52	5.8	6.7	5	6.1	55	50	NO	NO	YES
5	5_0256		Residential	G	NE	50	44	56	51	51	45	57	52	5.9	6.9	5.2	6.3	55	50	NO	NO	YES
5	5_0257		Residential	G	E	50	44	56	51	51	45	57	52	6.2	7.2	5.5	6.6	55	50	NO	NO	YES
5	5_0258		Residential	G	N	50	44	54	49	51	45	55	50	4.8	5.6	4.2	5.2	55	50	NO	NO	NO
5	5_0259		Residential	G	N	50	44	56	51	51	46	57	52	5.9	6.7	5.2	6.1	55	50	NO	NO	YES
5	5_0260		Residential	G	E	49	43	54	49	50	44	55	50	4.9	5.9	4.3	5.4	55	50	NO	NO	NO
5	5_0261		Residential	G	E	49	43	54	49	50	44	55	50	5.2	6.2	4.7	5.8	55	50	NO	NO	NO
5	5_0262		Residential	G	N	49	43	54	49	50	44	55	50	5.4	6.3	4.8	5.8	55	50	NO	NO	NO
5	5_0263		Residential	G	E	48	42	53	48	49	43	54	49	5	5.9	4.8	5.7	55	50	NO	NO	NO
5	5_0264		Residential	G	NE	49	43	54	49	50	44	54	49	5.1	6	4.6	5.6	55	50	NO	NO	NO
5	5_0265		Residential	G	SE	49	43	53	48	49	43	54	49	4.8	5.5	4.6	5.4	55	50	NO	NO	NO
5	5_0266		Residential	G	SE	49	43	54	49	49	44	55	50	5.3	6.2	5.1	6	55	50	NO	NO	NO
5	5_0267		Residential	G	SE	48	43	53	48	49	43	53	48	4.6	5.2	4.4	5.1	55	50	NO	NO	NO
5	5_0268		Residential	G	NE	49	43	53	48	50	44	53	48	4	4.6	3.5	4.2	55	50	NO	NO	NO
5	5_0269		Residential	G	NW	51	46	53	48	52	46	53	49	2.2	2.4	1.7	2.2	55	50	NO	NO	NO
5	5_0270		Residential	G	SE	51	44	51	45	51	45	51	45	0.4	0.7	0.4	0.7	55	50	NO	NO	NO
5	5_0270		Residential	1	SE	53	46	53	47	53	47	54	48	0.6	1	0.6	1	55	50	NO	NO	NO
5	5_0271		Residential	G	SE	51	45	52	46	52	45	52	46	0.5	0.9	0.5	0.9	55	50	NO	NO	NO
5	5_0272		Residential	G	SE	51	45	52	46	52	45	52	46	0.5	0.9	0.5	0.9	55	50	NO	NO	NO
5	5_0273		Residential	G	SE	51	45	52	46	52	45	52	46	0.6	1	0.6	1	55	50	NO	NO	NO
5	5_0274		Residential	G	SE	51	45	52	46	52	45	52	46	0.6	0.9	0.5	0.9	55	50	NO	NO	NO
5	5_0275		Residential	G	SE	51	45	52	46	52	45	52	46	0.7	1	0.6	1.1	55	50	NO	NO	NO
5	5_0276		Residential	G	NE	49	43	52	46	50	44	53	47	2.5	3.3	2.4	3.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0276		Residential	1	NE	51	45	54	48	52	45	55	49	2.8	3.7	2.8	3.7	55	50	NO	NO	NO
5	5_0277		Residential	G	NE	51	44	53	47	51	45	53	48	2.3	3.1	2.2	3.2	55	50	NO	NO	NO
5	5_0278		Residential	G	NE	50	44	53	48	51	44	54	48	2.9	3.8	2.9	3.8	55	50	NO	NO	NO
5	5_0279		Residential	G	NE	49	43	53	47	50	43	53	48	3.8	4.9	3.6	4.9	55	50	NO	NO	NO
5	5_0280		Residential	G	E	52	46	54	49	53	46	55	49	2	2.8	2	2.9	55	50	NO	NO	NO
5	5_0281		Residential	G	NE	49	43	53	48	50	43	54	48	3.7	4.8	3.6	4.8	55	50	NO	NO	NO
5	5_0281		Residential	1	NE	51	45	54	49	52	45	55	49	2.9	3.9	2.9	3.8	55	50	NO	NO	NO
5	5_0282		Residential	G	NE	50	43	53	48	50	44	54	48	3.5	4.5	3.4	4.4	55	50	NO	NO	NO
5	5_0283		Residential	G	N	49	43	53	48	50	44	54	48	3.7	4.8	3.6	4.8	55	50	NO	NO	NO
5	5_0284		Residential	G	E	49	42	52	47	49	43	53	47	3.5	4.7	3.5	4.7	55	50	NO	NO	NO
5	5_0285		Residential	G	N	49	42	52	47	50	43	52	47	3.1	4.1	2.9	4	55	50	NO	NO	NO
5	5_0286		Residential	G	E	49	43	51	46	50	43	52	46	2.2	3	2.2	3.1	55	50	NO	NO	NO
5	5_0287		Residential	G	NW	46	40	51	46	47	40	52	46	4.8	6	4.6	5.9	55	50	NO	NO	NO
5	5_0288		Residential	G	W	46	39	50	45	46	40	51	46	4.7	5.8	4.5	5.7	55	50	NO	NO	NO
5	5_0289		Residential	G	SE	48	41	50	44	48	42	50	45	2	2.8	2.1	3	55	50	NO	NO	NO
5	5_0289		Residential	1	NE	51	44	53	48	51	45	54	48	2.9	3.8	2.9	3.9	55	50	NO	NO	NO
5	5_0290		Residential	G	SE	49	43	51	45	50	43	51	45	1.3	1.8	1.2	1.9	55	50	NO	NO	NO
5	5_0291		Residential	G	SE	48	42	50	44	49	42	50	45	1.6	2.3	1.6	2.3	55	50	NO	NO	NO
5	5_0292		Residential	G	SE	48	42	49	43	49	42	50	44	1.2	1.7	1.2	1.8	55	50	NO	NO	NO
5	5_0293		Residential	G	E	50	43	53	47	50	44	53	48	2.7	3.8	2.8	3.8	55	50	NO	NO	NO
5	5_0294		Residential	G	E	50	43	52	46	50	44	53	47	2.3	3.1	2.3	3.2	55	50	NO	NO	NO
5	5_0295		Residential	G	E	50	44	53	48	51	44	54	49	3.2	4.4	3.3	4.4	55	50	NO	NO	NO
5	5_0296		Residential	G	E	50	44	54	48	51	44	54	49	3.5	4.6	3.5	4.7	55	50	NO	NO	NO
5	5_0297		Residential	G	E	50	43	53	47	50	44	54	48	3.2	4.2	3.2	4.3	55	50	NO	NO	NO
5	5_0298		Residential	G	E	50	43	54	48	51	44	54	49	3.7	4.8	3.7	4.9	55	50	NO	NO	NO
5	5_0299		Residential	G	N	49	43	54	48	50	43	54	49	4.6	5.7	4.4	5.6	55	50	NO	NO	NO
5	5_0300		Residential	G	SE	50	43	51	45	50	44	51	46	1.4	2	1.4	2.1	55	50	NO	NO	NO
5	5_0301		Residential	G	SE	49	43	51	45	50	43	51	45	1.4	2	1.5	2.1	55	50	NO	NO	NO
5	5_0302		Residential	G	E	48	41	49	43	48	42	50	44	1.6	2.2	1.7	2.3	55	50	NO	NO	NO
5	5_0302		Residential	1	E	50	44	52	46	51	44	52	46	1.4	1.9	1.3	2	55	50	NO	NO	NO
5	5_0303		Residential	G	SE	48	42	50	44	49	42	50	45	1.7	2.5	1.8	2.6	55	50	NO	NO	NO
5	5_0303		Residential	1	NE	50	44	53	48	51	44	54	48	3	4	2.9	3.9	55	50	NO	NO	NO
5	5_0304		Residential	G	E	49	43	51	45	50	43	51	46	1.8	2.6	1.8	2.6	55	50	NO	NO	NO
5	5_0305		Residential	G	E	49	43	52	46	50	43	52	47	2.2	3	2.3	3.2	55	50	NO	NO	NO
5	5_0305		Residential	1	E	51	44	53	47	51	45	54	48	2.1	2.9	2.1	3	55	50	NO	NO	NO
5	5_0306		Residential	G	E	49	43	52	46	50	43	52	47	2.4	3.3	2.5	3.4	55	50	NO	NO	NO
5	5_0307		Residential	G	E	49	43	53	47	50	43	53	48	3.1	4.2	3.2	4.3	55	50	NO	NO	NO
5	5_0307		Residential	1	E	50	44	54	48	51	44	54	49	3.6	4.6	3.5	4.6	55	50	NO	NO	NO
5	5_0308		Residential	G	E	49	43	53	48	50	43	54	48	3.7	4.8	3.7	4.9	55	50	NO	NO	NO
5	5_0309		Residential	G	E	49	43	53	48	50	43	54	48	3.8	4.9	3.7	4.9	55	50	NO	NO	NO
5	5_0310		Residential	G	E	49	43	53	48	50	43	54	48	4	5.1	3.9	5.2	55	50	NO	NO	NO
5	5_0311		Residential	G	E	49	43	53	48	50	43	54	48	3.8	5.1	3.8	5.1	55	50	NO	NO	NO
5	5_0312		Residential	G	E	49	42	53	47	49	43	53	48	3.7	4.8	3.7	4.8	55	50	NO	NO	NO
5	5_0313		Residential	G	E	49	42	52	47	49	43	53	47	3.7	4.9	3.7	4.9	55	50	NO	NO	NO
5	5_0314		Residential	G	E	49	42	52	47	49	43	53	48	3.7	4.9	3.7	4.9	55	50	NO	NO	NO
5	5_0315		Residential	G	N	49	42	54	48	49	43	54	49	5	6.1	4.8	6	55	50	NO	NO	NO
5	5_0316		Residential	G	N	48	41	53	48	48	42	54	49	5.7	6.8	5.4	6.5	55	50	NO	NO	NO
5	5_0316		Residential	1	N	49	43	54	49	50	43	55	49	5.1	6.2	4.9	6	55	50	NO	NO	NO
5	5_0317		Residential	G	N	48	42	53	48	49	43	54	49	5.3	6.4	5.1	6.2	55	50	NO	NO	NO
5	5_0318		Residential	G	NW	47	41	53	48	48	41	53	48	5.9	7	5.6	6.8	55	50	NO	NO	NO
5	5_0319		Residential	G	NW	47	41	52	47	48	42	53	48	5.3	6.4	5	6.1	55	50	NO	NO	NO
5	5_0320		Residential	G	NE	48	42	54	48	49	43	54	49	5.1	6.2	4.8	6.1	55	50	NO	NO	NO
5	5_0321		Residential	G	SE	47	40	49	44	47	41	50	44	2.6	3.4	2.6	3.5	55	50	NO	NO	NO
5	5_0322		Residential	G	NE	49	43	53	47	50	43	53	48	3.4	4.4	3.3	4.4	55	50	NO	NO	NO
5	5_0323		Residential	G	NE	49	42	52	47	50	43	53	47	3.1	4.1	3.1	4.1	55	50	NO	NO	NO
5	5_0324		Residential	G	NE	48	42	52	47	49	43	53	48	3.9	5.1	3.8	5	55	50	NO	NO	NO
5	5_0325		Residential	G	E	49	42	52	47	49	43	53	47	3.6	4.7	3.6	4.7	55	50	NO	NO	NO
5	5_0326		Residential	G	E	48	42	52	47	49	42	53	47	3.7	4.7	3.6	4.8	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0327		Residential	G	W	47	40	51	45	47	41	51	46	4	5	3.7	4.7	55	50	NO	NO	NO
5	5_0328		Residential	G	NW	46	40	51	46	47	41	52	47	4.7	5.8	4.4	5.5	55	50	NO	NO	NO
5	5_0329		Residential	G	W	47	40	51	46	48	41	52	47	4.8	5.8	4.5	5.6	55	50	NO	NO	NO
5	5_0330		Residential	G	NW	47	41	52	46	48	41	52	47	4.8	5.9	4.5	5.7	55	50	NO	NO	NO
5	5_0331		Residential	G	NW	46	40	51	46	47	41	52	47	4.8	5.9	4.5	5.6	55	50	NO	NO	NO
5	5_0332		Residential	G	NW	46	40	51	46	47	41	52	46	4.7	5.8	4.4	5.6	55	50	NO	NO	NO
5	5_0333		Residential	G	SE	48	41	50	45	48	42	51	45	2.5	3.3	2.6	3.5	55	50	NO	NO	NO
5	5_0334		Residential	G	NE	47	40	52	46	48	41	52	47	4.6	5.9	4.4	5.8	55	50	NO	NO	NO
5	5_0335		Residential	G	NW	46	40	51	45	47	41	51	46	4.3	5.4	4	5.1	55	50	NO	NO	NO
5	5_0336		Residential	G	NW	46	40	51	46	47	41	52	46	4.8	5.9	4.4	5.6	55	50	NO	NO	NO
5	5_0337		Residential	G	E	47	41	51	45	48	42	51	46	3.1	4	3.1	4.1	55	50	NO	NO	NO
5	5_0338		Residential	G	E	48	41	52	47	49	42	53	47	4	5.2	4	5.2	55	50	NO	NO	NO
5	5_0339		Residential	G	N	48	42	53	47	49	42	53	48	4.7	5.7	4.5	5.6	55	50	NO	NO	NO
5	5_0340		Residential	G	NE	48	41	52	47	48	42	53	47	4.4	5.6	4.1	5.4	55	50	NO	NO	NO
5	5_0341		Residential	G	NW	47	41	53	48	48	42	53	48	5.5	6.6	5.1	6.3	55	50	NO	NO	NO
5	5_0342		Residential	G	NE	48	42	53	48	49	43	54	48	4.6	5.7	4.3	5.5	55	50	NO	NO	NO
5	5_0343		Residential	G	NW	48	41	53	47	49	42	53	48	4.9	6	4.6	5.8	55	50	NO	NO	NO
5	5_0344		Residential	G	NW	47	41	53	48	48	42	53	48	5.5	6.6	5.2	6.3	55	50	NO	NO	NO
5	5_0345		Residential	G	NE	48	42	51	46	49	42	52	46	3.2	4.1	2.9	4	55	50	NO	NO	NO
5	5_0346		Residential	G	NE	49	43	54	48	50	43	54	49	4.6	5.8	4.4	5.7	55	50	NO	NO	NO
5	5_0347		Residential	G	NE	49	42	53	48	50	43	54	49	4.6	5.8	4.4	5.6	55	50	NO	NO	NO
5	5_0348		Residential	G	NE	49	42	53	48	50	43	54	49	4.4	5.6	4.3	5.5	55	50	NO	NO	NO
5	5_0349		Residential	G	NE	49	42	53	48	49	43	53	48	4.2	5.4	4.1	5.3	55	50	NO	NO	NO
5	5_0350		Residential	G	SE	47	41	50	45	48	41	51	45	3.1	4	3.2	4.1	55	50	NO	NO	NO
5	5_0351		Residential	G	NE	49	42	53	47	50	43	53	48	3.8	4.9	3.6	4.8	55	50	NO	NO	NO
5	5_0352		Residential	G	NE	49	42	53	47	50	43	53	48	4.1	5.2	3.8	5	55	50	NO	NO	NO
5	5_0353		Residential	G	NE	49	42	53	48	50	43	53	48	4	5.1	3.8	5	55	50	NO	NO	NO
5	5_0354		Residential	G	NE	49	42	53	47	50	43	53	48	3.9	4.9	3.6	4.8	55	50	NO	NO	NO
5	5_0355		Residential	G	NE	48	42	51	46	49	42	52	47	3.4	4.5	3.3	4.4	55	50	NO	NO	NO
5	5_0356		Residential	G	NE	48	41	51	46	49	42	52	46	3.2	4.2	3	4.1	55	50	NO	NO	NO
5	5_0357		Residential	G	NE	48	41	51	46	48	42	52	47	3.7	4.8	3.6	4.7	55	50	NO	NO	NO
5	5_0358		Residential	G	NW	46	40	50	45	47	41	51	46	4.4	5.4	4	5.2	55	50	NO	NO	NO
5	5_0359		Residential	G	NW	45	39	50	45	46	40	51	46	5.3	6.3	4.8	5.9	55	50	NO	NO	NO
5	5_0359		Residential	1	NE	49	43	53	48	50	44	54	48	3.9	4.9	3.7	4.8	55	50	NO	NO	NO
5	5_0360		Residential	G	SE	46	40	50	44	47	40	50	45	3.3	4.3	3.4	4.3	55	50	NO	NO	NO
5	5_0361		Residential	G	NW	46	40	50	45	47	41	51	46	4.3	5.4	4	5.1	55	50	NO	NO	NO
5	5_0362		Residential	G	NE	49	42	53	48	49	43	53	48	4.3	5.4	4.1	5.3	55	50	NO	NO	NO
5	5_0363		Residential	G	NE	48	42	53	48	49	43	53	48	4.6	5.7	4.4	5.6	55	50	NO	NO	NO
5	5_0364		Residential	G	NE	48	42	53	47	49	42	53	48	4.5	5.8	4.3	5.6	55	50	NO	NO	NO
5	5_0365		Residential	G	NE	48	42	53	47	49	43	53	48	4.4	5.6	4.2	5.4	55	50	NO	NO	NO
5	5_0366		Residential	G	NE	49	42	53	48	50	43	54	48	4.3	5.4	4.1	5.2	55	50	NO	NO	NO
5	5_0367		Residential	G	NE	48	42	53	48	49	43	54	48	4.6	5.7	4.3	5.6	55	50	NO	NO	NO
5	5_0368		Residential	G	NE	48	42	53	48	49	43	54	49	5	6.1	4.6	5.9	55	50	NO	NO	NO
5	5_0369		Residential	G	NE	49	43	53	48	50	43	54	49	4.5	5.6	4.3	5.4	55	50	NO	NO	NO
5	5_0370		Residential	G	NE	49	43	54	49	50	43	54	49	4.8	5.8	4.6	5.7	55	50	NO	NO	NO
5	5_0371		Residential	G	NE	49	42	54	49	50	43	54	49	5	6.2	4.7	6	55	50	NO	NO	NO
5	5_0372		Residential	G	NE	49	42	54	48	49	43	54	49	5.1	6.1	4.8	5.9	55	50	NO	NO	NO
5	5_0373		Residential	G	NE	49	42	53	48	49	43	54	49	4.9	6	4.6	5.7	55	50	NO	NO	NO
5	5_0374		Residential	G	NE	49	42	53	48	49	43	54	49	4.7	5.7	4.4	5.5	55	50	NO	NO	NO
5	5_0375		Residential	G	NE	48	42	53	48	49	43	54	49	4.9	5.9	4.6	5.6	55	50	NO	NO	NO
5	5_0376		Residential	G	NE	49	43	53	48	50	43	54	49	4.8	5.7	4.5	5.5	55	50	NO	NO	NO
5	5_0377		Residential	G	N	49	43	53	48	50	43	54	49	4.6	5.5	4.3	5.3	55	50	NO	NO	NO
5	5_0378		Residential	G	N	49	43	54	49	50	44	54	49	5	5.8	4.7	5.6	55	50	NO	NO	NO
5	5_0379		Residential	G	N	48	43	53	48	49	43	54	49	5	5.8	4.6	5.6	55	50	NO	NO	NO
5	5_0379		Residential	1	N	50	44	54	49	50	45	55	50	4.8	5.3	4.5	5.2	55	50	NO	NO	NO
5	5_0380		Residential	G	N	49	43	53	48	50	44	54	49	4.5	5.1	4.2	4.9	55	50	NO	NO	NO
5	5_0381		Residential	G	N	49	44	54	49	50	45	54	49	4.2	4.6	3.9	4.5	55	50	NO	NO	NO
5	5_0382		Residential	G	N	49	44	53	48	50	45	54	49	4.1	4.5	3.9	4.4	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0383		Residential	G	N	50	44	53	48	51	45	54	49	3.7	4	3.5	4	55	50	NO	NO	NO
5	5_0384		Residential	G	N	50	45	53	48	51	45	54	49	3.3	3.7	3.2	3.5	55	50	NO	NO	NO
5	5_0385		Residential	G	NW	51	46	54	49	52	46	55	50	3.4	3.6	3.2	3.6	55	50	NO	NO	NO
5	5_0386		Residential	G	N	50	45	54	49	51	46	54	49	3.4	3.7	3.2	3.6	55	50	NO	NO	NO
5	5_0387		Residential	G	N	50	45	54	49	51	46	55	50	3.7	4	3.5	3.9	55	50	NO	NO	NO
5	5_0388		Residential	G	N	49	43	53	48	50	44	54	49	4.5	5.3	4.2	5	55	50	NO	NO	NO
5	5_0389		Residential	G	N	49	43	53	48	50	44	54	49	4.3	4.8	4	4.7	55	50	NO	NO	NO
5	5_0390		Residential	G	N	49	43	54	49	50	44	54	49	4.6	5.3	4.5	5.3	55	50	NO	NO	NO
5	5_0391		Residential	G	N	49	43	54	49	50	44	54	49	4.9	5.7	4.5	5.5	55	50	NO	NO	NO
5	5_0392		Residential	G	NE	49	42	54	49	50	43	54	49	5	6.1	4.7	5.9	55	50	NO	NO	NO
5	5_0393		Residential	G	NE	49	42	54	48	50	43	54	49	5.1	6.1	4.7	5.9	55	50	NO	NO	NO
5	5_0394		Residential	G	NE	48	42	54	48	49	43	54	49	5.2	6.3	4.9	6.1	55	50	NO	NO	NO
5	5_0395		Residential	G	N	49	43	54	49	50	44	54	49	4.7	5.7	4.5	5.5	55	50	NO	NO	NO
5	5_0396		Residential	G	NW	47	41	52	47	48	41	53	48	5.3	6.2	5.1	6.1	55	50	NO	NO	NO
5	5_0397		Residential	G	NE	49	42	53	48	49	43	54	49	4.9	6.1	4.7	5.9	55	50	NO	NO	NO
5	5_0398		Residential	G	NE	49	42	54	48	49	43	54	49	5.2	6.2	4.8	6.1	55	50	NO	NO	NO
5	5_0399		Residential	G	NE	48	42	54	48	49	42	54	49	5.6	6.8	5.3	6.5	55	50	NO	NO	NO
5	5_0400		Residential	G	NE	49	43	54	49	50	43	55	49	5.1	6.2	4.9	6	55	50	NO	NO	NO
5	5_0401		Residential	G	N	49	42	54	49	49	43	55	49	5.4	6.5	5.1	6.3	55	50	NO	NO	NO
5	5_0402		Residential	G	NE	48	42	54	49	49	43	54	49	5.4	6.6	5.1	6.4	55	50	NO	NO	NO
5	5_0403		Residential	G	NE	48	42	54	49	49	43	54	49	5.5	6.6	5.2	6.4	55	50	NO	NO	NO
5	5_0404		Residential	G	NE	48	42	54	49	49	43	54	49	5.5	6.7	5.3	6.6	55	50	NO	NO	NO
5	5_0405		Residential	G	NE	48	42	54	49	49	43	54	49	5.6	6.7	5.2	6.4	55	50	NO	NO	NO
5	5_0406		Residential	G	NE	48	42	54	49	49	43	54	49	5.8	6.9	5.4	6.6	55	50	NO	NO	NO
5	5_0407		Residential	G	NE	48	42	54	49	49	42	54	49	5.9	7.2	5.5	6.9	55	50	NO	NO	NO
5	5_0407		Residential	1	NE	49	43	55	49	50	44	55	50	5.5	6.5	5.2	6.2	55	50	NO	NO	NO
5	5_0408		Residential	G	NE	48	42	54	49	49	43	55	50	5.7	6.8	5.4	6.5	55	50	NO	NO	NO
5	5_0409		Residential	G	NE	48	42	54	49	49	43	55	50	5.8	6.8	5.4	6.6	55	50	NO	NO	NO
5	5_0410		Residential	G	NE	48	42	54	49	49	43	55	50	5.8	6.9	5.4	6.6	55	50	NO	NO	NO
5	5_0411		Residential	G	NE	48	42	54	49	49	43	55	50	5.8	6.8	5.4	6.5	55	50	NO	NO	NO
5	5_0412		Residential	G	NE	48	42	54	49	49	43	55	50	5.8	6.9	5.4	6.6	55	50	NO	NO	NO
5	5_0413		Residential	G	N	48	42	54	49	49	43	55	50	5.9	6.7	5.5	6.4	55	50	NO	NO	NO
5	5_0414		Residential	G	N	49	43	54	49	50	44	55	50	5.7	6.5	5.4	6.2	55	50	NO	NO	NO
5	5_0415		Residential	G	E	48	42	54	49	49	42	54	49	5.9	7.1	5.5	6.8	55	50	NO	NO	NO
5	5_0416		Residential	G	E	48	42	54	49	49	42	55	49	6.1	7.3	5.7	7	55	50	NO	NO	NO
5	5_0417		Residential	G	NE	48	42	54	49	49	43	55	50	6.3	7.4	5.9	7	55	50	NO	NO	NO
5	5_0418		Residential	G	NE	48	42	55	50	49	43	55	50	6.3	7.2	5.8	6.9	55	50	NO	NO	NO
5	5_0419		Residential	G	N	49	43	55	50	50	44	55	50	6.1	6.9	5.6	6.6	55	50	NO	NO	NO
5	5_0420		Residential	G	NE	47	41	53	48	48	42	54	48	6	7.1	5.3	6.5	55	50	NO	NO	NO
5	5_0420		Residential	1	NE	49	43	55	50	50	44	56	51	6.2	7.2	5.8	6.8	55	50	NO	NO	YES
5	5_0421		Residential	G	NE	48	42	54	49	49	43	54	49	5.6	6.7	5.2	6.3	55	50	NO	NO	NO
5	5_0422		Residential	G	E	48	42	54	49	49	42	55	50	6.3	7.4	5.9	7.1	55	50	NO	NO	NO
5	5_0423		Residential	G	NE	47	42	53	48	49	43	54	49	5.9	6.6	5.3	6.2	55	50	NO	NO	NO
5	5_0424		Residential	G	E	47	41	53	48	48	42	54	49	5.8	7	5.6	6.8	55	50	NO	NO	NO
5	5_0425		Residential	G	N	48	42	53	48	49	43	54	49	5.5	6.5	5.2	6.2	55	50	NO	NO	NO
5	5_0425		Residential	1	N	49	44	55	50	50	44	55	50	5.4	6	5	5.8	55	50	NO	NO	NO
5	5_0426		Residential	G	N	48	43	54	49	49	44	55	50	5.7	6.4	5.3	6.1	55	50	NO	NO	NO
5	5_0427		Residential	G	N	49	43	54	49	50	44	55	50	5.4	5.9	4.9	5.6	55	50	NO	NO	NO
5	5_0427		Residential	1	N	50	45	55	50	51	45	55	50	4.8	5.3	4.5	5.1	55	50	NO	NO	NO
5	5_0428		Residential	G	N	49	43	54	49	50	44	54	49	4.8	5.2	4.3	4.9	55	50	NO	NO	NO
5	5_0428		Residential	1	N	50	45	54	49	51	45	55	50	4.3	4.7	4	4.5	55	50	NO	NO	NO
5	5_0429		Residential	G	N	49	44	52	47	50	45	53	48	3	3.4	2.5	3.1	55	50	NO	NO	NO
5	5_0430		Residential	G	NW	50	45	53	48	51	45	54	49	3.4	3.7	3.3	3.6	55	50	NO	NO	NO
5	5_0431		Residential	G	NW	50	45	53	48	51	46	53	48	2.3	2.4	2	2.3	55	50	NO	NO	NO
5	5_0432		Residential	G	N	48	43	54	49	49	44	54	49	5.2	5.9	4.8	5.6	55	50	NO	NO	NO
5	5_0432		Residential	1	N	50	44	54	49	51	45	55	50	4.8	5.3	4.4	5.1	55	50	NO	NO	NO
5	5_0433		Residential	G	NW	49	44	52	47	50	45	53	48	3.1	3.3	2.8	3.1	55	50	NO	NO	NO
5	5_0434		Residential	G	N	48	43	52	47	49	44	52	47	3.4	3.7	3.2	3.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0434		Residential	1	N	50	45	54	49	51	46	55	50	3.9	4.1	3.7	4.1	55	50	NO	NO	NO
5	5_0435		Residential	G	N	49	43	53	48	49	44	53	48	4.1	4.4	4	4.4	55	50	NO	NO	NO
5	5_0436		Residential	G	N	48	43	53	48	49	44	54	49	5	5.5	4.8	5.4	55	50	NO	NO	NO
5	5_0437		Residential	G	N	48	43	53	48	49	43	54	49	5.2	5.7	4.8	5.4	55	50	NO	NO	NO
5	5_0438		Residential	G	N	48	43	54	49	49	44	54	49	5.2	5.7	4.8	5.6	55	50	NO	NO	NO
5	5_0439		Residential	G	N	49	43	54	49	50	44	55	50	5.5	6.2	5.2	6	55	50	NO	NO	NO
5	5_0440		Residential	G	N	49	43	54	49	50	44	55	50	5.5	6.3	5.1	6	55	50	NO	NO	NO
5	5_0441		Residential	G	N	48	42	54	49	49	43	55	50	5.7	6.6	5.3	6.3	55	50	NO	NO	NO
5	5_0442		Residential	G	NE	48	42	54	49	49	43	55	49	5.7	6.8	5.3	6.5	55	50	NO	NO	NO
5	5_0443		Residential	G	NE	48	42	54	49	49	42	54	49	6	7.1	5.6	6.8	55	50	NO	NO	NO
5	5_0444		Residential	G	N	49	43	54	49	50	44	55	50	5.5	6.3	5.1	6	55	50	NO	NO	NO
5	5_0445		Residential	G	N	49	43	54	49	50	44	55	50	5.4	6.1	5	5.9	55	50	NO	NO	NO
5	5_0446		Residential	G	N	49	43	54	49	50	44	55	50	5.3	6	5	5.7	55	50	NO	NO	NO
5	5_0447		Residential	G	N	49	43	54	49	50	44	55	49	4.9	5.5	4.6	5.2	55	50	NO	NO	NO
5	5_0448		Residential	G	N	49	43	53	47	50	44	53	48	3.8	4.2	3.4	4	55	50	NO	NO	NO
5	5_0449		Residential	G	N	49	43	53	48	50	44	54	49	4.4	4.9	4.1	4.7	55	50	NO	NO	NO
5	5_0450		Residential	G	NW	50	44	53	48	50	45	54	49	3.8	4	3.6	4	55	50	NO	NO	NO
5	5_0451		Residential	G	NW	49	44	52	47	50	45	52	47	2.4	2.5	2.2	2.5	55	50	NO	NO	NO
5	5_0453		Residential	G	N	68	61	67	61	71	65	68	62	-0.3	-0.4	-3.2	-3	55	50	NO	NO	NO
5	5_0453		Residential	G	S	55	49	57	51	58	52	57	52	1.6	2.2	-0.7	0.2	55	50	NO	NO	YES
5	5_0454		Residential	G	N	58	52	59	53	62	55	60	54	0.9	1.4	-1.9	-1.2	55	50	NO	NO	NO
6	6_0001		Residential	G	N	73	66	68	62	74	67	69	62	-4.8	-4.6	-5.3	-5.2	55	50	NO	NO	NO
6	6_0001		Residential	G	S	62	55	62	56	63	56	62	57	-0.3	0.8	-1.1	0.1	55	50	NO	NO	YES
6	6_0002		Residential	G	N	58	52	56	50	59	53	56	51	-2.4	-1.9	-3	-2.3	55	50	NO	NO	NO
7	7_0001		Residential	G	SE	72	65	67	60	73	66	68	61	-4.9	-4.9	-5.4	-5.4	55	50	NO	NO	NO
7	7_0002		Residential	G	SE	73	66	68	61	74	67	69	62	-5	-5.1	-5.5	-5.6	55	50	NO	NO	NO
7	7_0003		Residential	G	SE	72	66	67	60	73	67	68	61	-5.1	-5.1	-5.5	-5.5	55	50	NO	NO	NO
7	7_0004		Residential	G	S	59	52	55	49	60	53	56	50	-3.9	-3.2	-4.4	-3.7	55	50	NO	NO	NO
7	7_0004		Residential	1	S	61	54	56	50	62	55	57	51	-4.2	-3.4	-4.7	-4	55	50	NO	NO	NO
7	7_0005		Residential	G	SE	61	55	56	50	62	56	56	50	-5.5	-5	-6.1	-5.6	55	50	NO	NO	NO
7	7_0006		Residential	G	SW	58	51	54	48	59	52	54	49	-3.7	-2.9	-4.2	-3.4	55	50	NO	NO	NO
7	7_0007		Residential	G	SW	55	49	53	47	56	50	53	48	-2.5	-1.6	-3	-2.1	55	50	NO	NO	NO
7	7_0008		Residential	G	SE	60	53	54	48	61	54	55	48	-5.5	-4.8	-6.2	-5.5	55	50	NO	NO	NO
7	7_0008		Residential	1	SE	62	55	57	50	63	56	57	51	-5.2	-4.6	-5.9	-5.3	55	50	NO	NO	NO
7	7_0009		Residential	G	SE	60	53	54	48	61	54	55	49	-5.3	-4.6	-6	-5.2	55	50	NO	NO	NO
7	7_0010		Residential	G	SE	59	52	54	48	60	53	54	48	-5.1	-4.3	-5.7	-4.9	55	50	NO	NO	NO
7	7_0011		Residential	G	SE	58	51	53	47	59	52	54	48	-4.5	-3.7	-5.1	-4.3	55	50	NO	NO	NO
7	7_0012		Residential	G	SE	57	50	53	47	58	51	53	48	-4.2	-3.3	-4.8	-3.9	55	50	NO	NO	NO
7	7_0013		Residential	G	SW	55	48	53	47	56	49	53	48	-2.3	-1.4	-2.8	-1.8	55	50	NO	NO	NO
7	7_0014		Residential	G	SE	55	49	52	46	56	50	52	47	-3.6	-2.7	-4.1	-3.2	55	50	NO	NO	NO
7	7_0015		Residential	G	SE	55	49	51	46	56	50	52	46	-3.8	-3	-4.3	-3.4	55	50	NO	NO	NO
7	7_0015		Residential	1	SW	58	51	54	49	59	52	55	49	-3.3	-2.4	-3.8	-2.9	55	50	NO	NO	NO
7	7_0016		Residential	G	NW	54	49	52	47	55	49	53	48	-1.6	-1.2	-1.9	-1.4	55	50	NO	NO	NO
7	7_0017		Residential	G	NW	54	49	53	48	55	49	53	48	-1.6	-1.2	-1.9	-1.4	55	50	NO	NO	NO
7	7_0018		Residential	G	NW	53	48	52	47	54	49	53	47	-1.5	-1	-1.7	-1.2	55	50	NO	NO	NO
7	7_0019		Residential	G	W	55	49	53	48	55	50	53	48	-1.7	-1.4	-1.9	-1.5	55	50	NO	NO	NO
7	7_0020		Residential	G	E	56	50	52	48	56	51	53	48	-3.3	-2.7	-3.5	-2.8	55	50	NO	NO	NO
7	7_0021		Residential	G	SW	58	51	54	48	59	52	54	49	-4.1	-3.1	-4.7	-3.7	55	50	NO	NO	NO
7	7_0022		Residential	G	NW	55	49	53	47	56	50	53	48	-2.2	-1.6	-2.6	-1.9	55	50	NO	NO	NO
7	7_0023		Residential	G	NW	54	49	52	47	55	49	53	48	-2	-1.4	-2.3	-1.6	55	50	NO	NO	NO
7	7_0024		Residential	G	NW	54	49	52	47	55	49	53	48	-2.1	-1.5	-2.4	-1.7	55	50	NO	NO	NO
7	7_0025		Residential	G	NW	54	49	52	47	55	50	53	48	-2.1	-1.6	-2.3	-1.7	55	50	NO	NO	NO
7	7_0026		Residential	G	SW	56	49	53	47	57	50	53	48	-3.1	-2.1	-3.7	-2.6	55	50	NO	NO	NO
7	7_0027		Residential	G	SW	57	50	53	48	58	51	54	48	-3.5	-2.6	-4.1	-3	55	50	NO	NO	NO
7	7_0028		Residential	G	SE	58	52	53	48	59	53	54	48	-4.8	-4	-5.4	-4.5	55	50	NO	NO	NO
7	7_0029		Residential	G	SE	59	52	54	48	60	53	54	48	-5.1	-4.3	-5.7	-5	55	50	NO	NO	NO
7	7_0030		Residential	G	SE	59	53	54	48	60	54	54	49	-5.2	-4.5	-5.9	-5.1	55	50	NO	NO	NO
7	7_0031		Residential	G	SE	60	53	55	48	61	54	55	49	-5.4	-4.7	-6.2	-5.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
7	7_0032		Residential	G	SE	60	53	55	49	61	54	55	49	-5.5	-4.8	-6.2	-5.5	55	50	NO	NO	NO
7	7_0033		Residential	G	SW	62	55	56	50	63	56	57	50	-5.3	-4.6	-6	-5.4	55	50	NO	NO	NO
7	7_0034		Residential	G	SW	57	50	53	47	58	51	53	47	-4	-3	-4.6	-3.5	55	50	NO	NO	NO
7	7_0034		Residential	1	SW	60	54	56	50	61	55	56	50	-4.6	-3.8	-5.2	-4.4	55	50	NO	NO	NO
7	7_0035		Residential	G	SW	57	51	54	48	58	52	54	48	-3.8	-2.8	-4.3	-3.3	55	50	NO	NO	NO
7	7_0036		Residential	G	SE	62	55	56	50	63	56	57	50	-5.9	-5.5	-6.7	-6.2	55	50	NO	NO	NO
7	7_0036		Residential	1	SE	64	57	58	52	65	58	58	52	-5.7	-5.2	-6.4	-5.9	55	50	NO	NO	NO
7	7_0037		Residential	G	SE	63	56	57	51	64	57	57	51	-6.1	-5.6	-6.8	-6.4	55	50	NO	NO	NO
7	7_0038		Residential	G	SE	65	58	59	52	66	59	59	52	-6.1	-5.8	-6.8	-6.5	55	50	NO	NO	NO
7	7_0039		Residential	G	SE	67	60	60	54	68	61	61	54	-6.2	-5.9	-6.9	-6.7	55	50	NO	NO	NO
7	7_0040		Residential	G	SE	68	61	62	55	69	62	62	55	-6	-5.8	-6.6	-6.6	55	50	NO	NO	NO
7	7_0041		Residential	G	S	70	64	65	58	72	65	65	58	-5.5	-5.6	-6.2	-6.2	55	50	NO	NO	NO
7	7_0042		Residential	G	S	72	65	67	60	73	66	67	60	-5.3	-5.3	-5.8	-5.9	55	50	NO	NO	NO
7	7_0043		Residential	G	S	73	66	68	61	74	67	68	61	-5.2	-5.3	-5.8	-5.8	55	50	NO	NO	NO
7	7_0044		Residential	G	S	73	66	68	61	74	67	69	62	-5.1	-5.1	-5.6	-5.7	55	50	NO	NO	NO
7	7_0045		Residential	G	S	71	65	66	60	72	66	67	60	-5	-5	-5.5	-5.6	55	50	NO	NO	NO
8	8_0001		Residential	G	S	73	66	68	61	74	67	68	62	-4.7	-4.6	-5.2	-5.2	55	50	NO	NO	NO
8	8_0002		Residential	G	S	72	65	67	61	73	66	68	61	-4.6	-4.4	-5.1	-5	55	50	NO	NO	NO
8	8_0003		Residential	G	S	72	66	68	61	74	67	68	62	-4.6	-4.4	-5.1	-4.9	55	50	NO	NO	NO
8	8_0004		Residential	G	S	64	58	62	56	66	59	62	56	-2.6	-1.9	-3.3	-2.5	55	50	NO	NO	YES
8	8_0005		Residential	G	SW	59	52	61	55	60	53	61	56	2	3.3	1.2	2.6	55	50	NO	NO	YES
8	8_0006		Residential	G	SW	55	49	58	52	57	50	58	53	2.3	3.3	1.5	2.6	55	50	NO	NO	YES
8	8_0007		Residential	G	W	54	48	57	52	55	49	57	52	3	3.6	2.2	2.9	55	50	NO	NO	YES
8	8_0008		Residential	G	SW	60	53	60	55	61	54	61	55	0.6	1.9	-0.2	1.2	55	50	NO	NO	YES
9	9_0001	First floor apartments	Residential	G	S	73	66	72	66	77	70	73	67	-0.5	-0.7	-3.3	-3.2	55	50	NO	NO	NO
9	9_0001	First floor apartments	Residential	1	S	74	67	73	67	78	71	74	68	-0.5	-0.6	-3.3	-3.1	55	50	NO	NO	NO
9	9_0002	First floor apartments	Residential	G	S	73	67	73	66	77	70	74	67	-0.6	-0.7	-3.4	-3.3	55	50	NO	NO	NO
9	9_0002	First floor apartments	Residential	1	S	75	68	74	67	78	71	75	68	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
9	9_0003		Residential	G	S	66	59	66	59	69	62	66	60	-0.3	0	-2.9	-2.5	55	50	NO	NO	NO
9	9_0003		Residential	G	E	65	58	65	59	68	61	66	60	0.5	1.3	-2	-1.2	55	50	NO	NO	YES
9	9_0004		Residential	G	E	62	56	63	57	66	59	64	58	1	1.6	-1.9	-1.2	55	50	NO	NO	YES
9	9_0005		Residential	G	S	71	65	71	64	75	68	72	65	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
9	9_0005		Residential	G	N	60	54	60	54	63	56	60	55	-0.5	0.4	-2.2	-1.3	55	50	NO	NO	YES
9	9_0006		Residential	G	S	73	67	73	66	77	70	74	67	-0.6	-0.7	-3.4	-3.4	55	50	NO	NO	NO
9	9_0006		Residential	G	N	58	52	60	54	61	54	61	55	2.2	2.9	-0.4	0.6	55	50	NO	NO	YES
9	9_0007		Residential	G	E	61	55	63	57	65	58	63	57	1.2	1.9	-1.5	-0.5	55	50	NO	NO	YES
9	9_0008		Residential	G	S	67	61	67	60	71	64	68	61	-0.4	-0.4	-3.2	-3.1	55	50	NO	NO	NO
9	9_0008		Residential	G	N	55	49	57	52	58	52	58	52	2	2.8	-0.3	0.7	55	50	NO	NO	YES
9	9_0009		Residential	G	S	73	66	72	65	77	70	73	66	-0.6	-0.7	-3.4	-3.3	55	50	NO	NO	NO
9	9_0010	World of Learning Child Care	Childcare Sleeping	G	S	70	63	69	62	73	66	70	63	-0.4	-0.6	-3.4	-3.2	45	-	NO	-	NO
9	9_0010	World of Learning Child Care	Childcare Sleeping	G	N	55	49	58	53	57	51	58	53	3.1	3.5	1.2	2	45	-	NO	-	YES
9	9_0011		Residential	G	S	72	65	72	65	76	69	72	66	-0.6	-0.6	-3.4	-3.3	55	50	NO	NO	NO
9	9_0012		Residential	G	S	71	64	70	64	75	68	71	65	-0.6	-0.6	-3.4	-3.3	55	50	NO	NO	NO
9	9_0013		Residential	G	S	60	53	60	54	64	57	61	55	0.2	0.5	-2.6	-2.2	55	50	NO	NO	NO
9	9_0013		Residential	G	E	56	50	59	54	59	53	60	54	2.8	3.7	0.6	1.8	55	50	NO	NO	YES
9	9_0013		Residential	1	E	62	55	63	57	65	58	63	58	1.1	1.9	-1.4	-0.4	55	50	NO	NO	YES
9	9_0014		Residential	G	W	73	68	72	68	74	69	73	68	-1	-0.9	-1	-0.9	60	55	YES	YES	YES
10	10_0001		Residential	G	SE	66	62	66	61	67	63	66	62	-0.2	-0.3	-0.2	-0.4	57	52	NO	NO	YES
10	10_0002		Residential	G	SE	61	57	62	57	62	58	62	58	0.4	0.3	0.2	0.1	55	50	NO	NO	NO
10	10_0002		Residential	G	NE	59	55	60	56	60	56	61	57	1.3	0.9	1	0.8	55	50	NO	NO	YES
10	10_0003		Residential	G	E	59	54	60	55	60	55	61	56	1.3	1.2	1	0.9	55	50	NO	NO	YES
10	10_0003		Residential	1	E	60	56	61	57	61	57	62	58	1.2	1	0.9	0.7	55	50	NO	NO	YES
10	10_0004		Residential	G	E	55	50	57	53	56	51	58	53	2.3	2.1	1.8	1.7	55	50	NO	NO	YES
10	10_0005		Residential	G	NE	64	60	64	60	65	60	65	61	0.3	0.3	0.1	0.2	55	50	NO	NO	NO
10	10_0006		Residential	G	E	53	48	55	51	54	49	56	51	2.4	2.4	1.8	1.8	55	50	NO	NO	YES
10	10_0007		Residential	G	S	53	48	54	49	55	50	55	50	0.6	0.8	-0.4	-0.1	55	50	NO	NO	NO
10	10_0008		Residential	G	S	54	49	54	50	55	50	55	50	0.6	0.8	-0.3	0	55	50	NO	NO	NO
10	10_0009		Residential	G	S	54	49	55	50	56	51	55	50	0.6	0.7	-0.3	-0.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
10	10_0010		Residential	G	S	54	50	55	50	56	51	56	51	0.6	0.7	-0.3	0	55	50	NO	NO	NO
10	10_0011		Residential	G	S	55	50	55	51	56	51	56	51	0.5	0.6	-0.4	-0.1	55	50	NO	NO	NO
10	10_0012		Residential	G	E	57	52	59	54	58	53	59	55	1.9	1.8	1.3	1.3	55	50	NO	NO	YES
10	10_0013		Residential	G	S	51	47	52	47	53	48	53	48	0.7	0.7	-0.5	-0.4	55	50	NO	NO	NO
10	10_0014		Residential	G	S	53	48	53	48	54	49	54	49	0.5	0.7	-0.5	-0.3	55	50	NO	NO	NO
10	10_0015		Residential	G	S	53	48	53	49	55	50	54	49	0.6	0.6	-0.5	-0.2	55	50	NO	NO	NO
10	10_0016		Residential	G	S	53	48	53	49	55	50	54	49	0.6	0.7	-0.5	-0.2	55	50	NO	NO	NO
10	10_0017		Residential	G	S	53	48	53	49	55	50	54	49	0.5	0.6	-0.5	-0.3	55	50	NO	NO	NO
10	10_0018		Residential	G	S	53	48	54	49	55	50	54	50	0.4	0.5	-0.6	-0.3	55	50	NO	NO	NO
10	10_0019		Residential	G	N	53	49	55	51	55	50	56	51	1.7	1.4	1.2	1.1	55	50	NO	NO	NO
10	10_0020		Residential	G	NE	57	52	58	53	58	53	58	54	0.8	0.8	0.3	0.5	55	50	NO	NO	NO
10	10_0021		Residential	G	E	52	48	54	50	54	49	55	50	1.9	1.8	1.2	1.1	55	50	NO	NO	NO
10	10_0022		Residential	G	S	52	47	53	48	54	49	54	49	1.1	1.2	0	0.2	55	50	NO	NO	NO
10	10_0023	Albion Public School	School Classroom	G	E	53	49	55	50	54	50	55	51	1.7	1.6	1	1.1	50	-	NO	-	YES
10	10_0024	Albion Public School	School Classroom	G	S	67	62	66	61	69	64	67	62	-0.9	-0.9	-2.1	-2.1	50	-	NO	-	NO
10	10_0024	Albion Public School	School Classroom	1	S	68	63	67	62	70	65	68	63	-0.8	-0.9	-2.2	-2.1	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	G	S	57	52	56	51	59	54	57	52	-0.5	-0.5	-1.7	-1.7	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	1	E	59	54	59	54	60	56	60	55	0.5	0.4	-0.5	-0.4	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	1	N	54	50	56	51	55	51	57	52	1.7	1.5	1.2	1.1	50	-	NO	-	YES
10	10_0026	Albion Public School	School Classroom	G	S	67	62	66	61	69	65	67	62	-0.9	-0.9	-2.2	-2.1	50	-	NO	-	NO
10	10_0026	Albion Public School	School Classroom	G	N	54	49	55	50	55	50	56	51	1.5	1.3	0.9	0.8	50	-	NO	-	YES
10	10_0027	Albion Public School	School Classroom	G	E	54	50	55	51	55	51	56	52	1.1	1.1	0.7	0.7	50	-	NO	-	NO
10	10_0028	Albion Public School	School Classroom	G	E	56	52	57	53	57	53	58	53	1.2	1.1	0.9	0.8	50	-	NO	-	YES
10	10_0029	Albion Public School	School Classroom	G	E	59	54	60	55	60	56	60	56	0.8	0.8	0	0.2	50	-	NO	-	NO
10	10_0029	Albion Public School	School Classroom	G	N	57	52	58	54	58	53	59	54	1.2	1.2	1	0.9	50	-	NO	-	YES
10	10_0031		Residential	G	E	68	65	68	65	69	65	69	65	-0.1	0	-0.3	-0.2	55	50	NO	NO	NO
10	10_0032		Residential	G	E	70	66	70	66	71	67	71	67	-0.3	-0.2	-0.4	-0.3	55	50	NO	NO	NO
10	10_0033		Residential	G	E	70	67	70	66	71	67	71	67	-0.2	-0.2	-0.3	-0.2	55	50	NO	NO	NO
10	10_0034		Residential	G	E	69	65	69	65	70	66	70	66	-0.1	0	-0.2	-0.2	55	50	NO	NO	NO
10	10_0035		Residential	G	NE	58	54	59	55	59	55	60	56	0.5	0.5	0.3	0.4	55	50	NO	NO	NO
10	10_0036		Residential	G	NE	59	55	60	56	60	56	61	57	0.6	0.5	0.3	0.4	55	50	NO	NO	NO
10	10_0037		Residential	G	NE	61	57	61	57	62	58	62	58	0.4	0.3	0.2	0.3	55	50	NO	NO	NO
10	10_0038		Residential	G	NE	62	58	63	59	63	59	64	59	0.3	0.2	0.1	0.1	55	50	NO	NO	NO
10	10_0039		Residential	G	N	62	58	62	58	63	59	63	59	0.3	0.2	0	0.1	55	50	NO	NO	NO
10	10_0040	Albion Public School	School Classroom	G	S	64	59	63	58	66	61	64	59	-0.9	-0.8	-2.2	-2.1	50	-	NO	-	NO
10	10_0041	Albion Public School	School Classroom	G	S	57	53	57	52	60	55	58	53	-0.4	-0.4	-1.6	-1.5	50	-	NO	-	NO
10	10_0041	Albion Public School	School Classroom	G	N	54	49	55	50	55	51	56	51	1.2	1.1	0.6	0.6	50	-	NO	-	YES
10	10_0042	Albion Public School	School Classroom	G	S	56	51	56	51	58	53	57	52	-0.1	0	-1.3	-1.1	50	-	NO	-	NO
10	10_0042	Albion Public School	School Classroom	G	N	53	48	55	50	54	49	55	51	1.9	1.7	1.2	1.2	50	-	NO	-	YES
10	10_0043	Albion Public School	School Classroom	G	E	57	52	58	53	58	53	58	54	1.1	1.1	0	0.3	50	-	NO	-	NO
10	10_0043	Albion Public School	School Classroom	G	N	53	49	55	50	54	50	56	51	1.8	1.6	1.2	1.1	50	-	NO	-	YES
10	10_0044		Residential	G	S	53	48	53	48	55	50	54	49	0	0	-1.3	-1.2	55	50	NO	NO	NO
10	10_0045		Residential	G	E	51	46	52	47	53	48	53	48	0.9	0.9	-0.3	-0.2	55	50	NO	NO	NO
10	10_0046		Residential	G	E	53	48	54	49	55	50	55	50	0.6	0.5	-0.7	-0.6	55	50	NO	NO	NO
10	10_0047		Residential	G	E	54	50	55	50	56	51	56	51	0.7	0.6	-0.5	-0.5	55	50	NO	NO	NO
10	10_0048		Residential	G	E	51	46	53	48	53	48	53	49	1.6	1.6	0.5	0.8	55	50	NO	NO	NO
10	10_0049		Residential	G	E	51	46	53	48	53	48	54	49	1.8	1.8	0.8	1	55	50	NO	NO	NO
10	10_0050		Residential	G	S	51	46	52	47	53	48	53	48	1	1	-0.3	-0.1	55	50	NO	NO	NO
10	10_0051		Residential	G	S	51	46	52	47	53	48	53	48	0.8	0.9	-0.4	-0.3	55	50	NO	NO	NO
10	10_0052		Residential	G	S	51	46	52	47	53	48	53	48	0.8	0.8	-0.5	-0.4	55	50	NO	NO	NO
10	10_0053		Residential	G	S	51	46	52	47	53	48	53	48	0.7	0.7	-0.5	-0.3	55	50	NO	NO	NO
10	10_0054		Residential	G	S	51	46	52	47	53	48	52	47	0.7	0.7	-0.5	-0.4	55	50	NO	NO	NO
10	10_0055		Residential	G	S	51	46	52	47	53	48	52	47	0.7	0.7	-0.5	-0.4	55	50	NO	NO	NO
10	10_0056		Residential	G	S	51	46	51	47	53	48	52	47	0.6	0.7	-0.6	-0.5	55	50	NO	NO	NO
10	10_0057		Residential	G	S	51	46	52	47	53	48	52	47	0.7	0.7	-0.6	-0.5	55	50	NO	NO	NO
10	10_0058		Residential	G	S	51	46	52	47	53	48	53	48	0.8	0.8	-0.5	-0.4	55	50	NO	NO	NO
10	10_0059		Residential	G	S	51	46	52	47	53	48	53	48	0.6	0.6	-0.7	-0.5	55	50	NO	NO	NO
10	10_0060		Residential	G	S	52	47	52	47	54	49	53	48	0.6	0.6	-0.6	-0.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
10	10_0061		Residential	G	S	52	47	52	47	54	49	53	48	0.4	0.5	-0.9	-0.7	55	50	NO	NO	NO
10	10_0062		Residential	G	S	52	47	52	47	54	49	53	48	0.5	0.5	-0.8	-0.7	55	50	NO	NO	NO
10	10_0063		Residential	G	S	51	47	52	47	54	48	53	48	0.5	0.4	-0.9	-0.7	55	50	NO	NO	NO
10	10_0064		Residential	G	E	51	46	53	48	53	48	53	48	1.7	1.7	0.7	0.9	55	50	NO	NO	NO
10	10_0065		Residential	G	E	51	46	53	48	53	48	54	49	2	1.9	0.9	1.1	55	50	NO	NO	NO
10	10_0066		Residential	G	E	51	46	53	48	52	47	53	49	1.9	1.9	1	1.1	55	50	NO	NO	NO
10	10_0067		Residential	G	E	52	47	53	48	53	48	54	49	1.7	1.7	0.9	1.1	55	50	NO	NO	NO
10	10_0068		Residential	G	E	51	46	53	48	52	47	53	49	2.1	2.1	1.2	1.3	55	50	NO	NO	NO
10	10_0069		Residential	G	S	51	46	52	47	53	48	53	48	1	1.1	-0.2	0	55	50	NO	NO	NO
10	10_0070		Residential	G	E	50	46	52	48	52	47	53	48	2.1	2	1.2	1.2	55	50	NO	NO	NO
10	10_0070		Residential	1	E	53	48	55	50	54	49	55	51	2	1.9	1.1	1.3	55	50	NO	NO	NO
10	10_0071		Residential	G	S	51	46	52	47	53	48	53	48	1	1.1	-0.2	0	55	50	NO	NO	NO
10	10_0072		Residential	G	S	50	45	50	46	52	47	51	46	0.7	0.7	-0.4	-0.3	55	50	NO	NO	NO
10	10_0073		Residential	G	S	51	46	52	47	53	48	52	47	0.8	0.9	-0.4	-0.2	55	50	NO	NO	NO
10	10_0074		Residential	G	S	50	45	51	46	52	47	52	47	0.9	0.9	-0.3	-0.2	55	50	NO	NO	NO
10	10_0075		Residential	G	S	51	46	52	47	53	48	52	47	0.8	0.9	-0.4	-0.2	55	50	NO	NO	NO
10	10_0076		Residential	G	S	50	45	51	46	52	47	52	47	0.9	0.9	-0.3	-0.2	55	50	NO	NO	NO
10	10_0077		Residential	G	S	51	46	52	47	53	48	52	47	0.6	0.8	-0.5	-0.3	55	50	NO	NO	NO
10	10_0078		Residential	G	S	51	45	51	46	52	47	52	47	0.5	0.6	-0.7	-0.5	55	50	NO	NO	NO
10	10_0078		Residential	1	E	52	47	54	49	54	49	54	50	1.7	1.6	0.7	0.9	55	50	NO	NO	NO
10	10_0079		Residential	G	S	51	45	51	46	53	47	52	47	0.6	0.7	-0.7	-0.4	55	50	NO	NO	NO
10	10_0080		Residential	G	E	50	45	52	48	52	47	53	48	2.2	2.2	1.3	1.5	55	50	NO	NO	NO
10	10_0081		Residential	G	E	51	46	53	48	52	47	54	49	2.3	2.3	1.5	1.5	55	50	NO	NO	NO
10	10_0082		Residential	G	S	51	46	52	47	53	48	53	48	1.2	1.3	0	0.3	55	50	NO	NO	NO
10	10_0083		Residential	G	E	52	47	54	49	53	48	55	50	2.3	2.2	1.4	1.6	55	50	NO	NO	NO
10	10_0084		Residential	G	E	52	47	54	50	53	48	55	50	2.4	2.4	1.6	1.7	55	50	NO	NO	NO
10	10_0085		Residential	G	E	52	47	54	49	53	48	55	50	2.4	2.3	1.6	1.7	55	50	NO	NO	NO
10	10_0086		Residential	G	E	52	47	54	49	53	48	55	50	2.4	2.4	1.7	1.8	55	50	NO	NO	NO
10	10_0087		Residential	G	E	52	47	54	49	53	48	55	50	2.6	2.5	2	1.9	55	50	NO	NO	NO
10	10_0088		Residential	G	E	52	47	54	49	53	48	55	50	2.4	2.3	1.8	1.9	55	50	NO	NO	NO
10	10_0089		Residential	G	E	51	46	53	48	52	47	54	49	2.5	2.2	1.9	1.7	55	50	NO	NO	NO
10	10_0090		Residential	G	E	52	48	56	51	53	49	57	52	4	3.6	3.6	3.3	55	50	NO	NO	YES
10	10_0091		Residential	G	E	52	47	53	48	54	49	54	49	0.9	0.9	-0.3	-0.2	55	50	NO	NO	NO
10	10_0092		Residential	G	S	52	47	52	47	54	49	53	48	0.4	0.4	-0.8	-0.8	55	50	NO	NO	NO
10	10_0093		Residential	G	S	52	47	52	47	54	49	53	48	0.2	0.2	-1.1	-1	55	50	NO	NO	NO
10	10_0094	First floor apartments	Residential	G	S	69	64	68	63	71	66	69	64	-0.9	-0.9	-2.2	-2.2	55	50	NO	NO	NO
10	10_0094	First floor apartments	Residential	1	S	70	65	69	64	72	67	70	65	-0.9	-0.8	-2.2	-2.2	55	50	NO	NO	NO
11	11_0001		Residential	G	NW	57	53	57	53	58	54	58	53	0	-0.7	0.1	-0.6	55	50	NO	NO	NO
11	11_0002		Residential	G	NW	57	53	58	53	57	53	58	54	0.9	0.2	1	0.2	55	50	NO	NO	NO
11	11_0003		Residential	G	W	56	52	58	53	57	52	58	53	1.6	0.8	1.6	0.9	55	50	NO	NO	NO
11	11_0004		Residential	G	NW	56	52	57	52	57	53	58	53	0.9	0.1	1	0.2	55	50	NO	NO	NO
11	11_0004		Residential	G	SW	54	50	57	52	55	51	57	52	2.4	1.6	2.4	1.6	55	50	NO	NO	YES
11	11_0005		Residential	G	NW	58	54	57	53	59	55	58	53	-1	-1.5	-0.9	-1.4	55	50	NO	NO	NO
11	11_0006		Residential	G	NW	57	53	56	52	57	53	57	52	-0.7	-1.2	-0.5	-1.2	55	50	NO	NO	NO
11	11_0007		Residential	G	NW	56	52	56	51	57	53	57	52	-0.4	-1	-0.3	-0.9	55	50	NO	NO	NO
11	11_0008		Residential	G	NE	57	53	54	50	57	53	55	51	-2.4	-2.6	-2.3	-2.5	55	50	NO	NO	NO
11	11_0009		Residential	G	NE	56	52	54	49	56	52	54	50	-2.1	-2.4	-2	-2.3	55	50	NO	NO	NO
11	11_0010		Residential	G	SW	52	48	54	49	53	49	55	50	1.8	1.2	1.8	1.2	55	50	NO	NO	NO
11	11_0011		Residential	G	NE	56	52	54	49	56	52	54	50	-2	-2.3	-1.9	-2.2	55	50	NO	NO	NO
11	11_0012		Residential	G	NE	56	52	54	49	56	52	54	50	-2	-2.3	-2	-2.2	55	50	NO	NO	NO
11	11_0013		Residential	G	NE	56	52	54	49	56	52	54	50	-2	-2.3	-1.9	-2.2	55	50	NO	NO	NO
11	11_0014		Residential	G	SW	52	48	55	50	53	48	55	50	2.6	1.9	2.4	1.9	55	50	NO	NO	NO
11	11_0015		Residential	G	SW	50	46	54	49	51	47	55	50	3.8	3.2	3.6	3	55	50	NO	NO	NO
11	11_0015		Residential	1	NW	57	53	57	52	57	53	57	53	0.2	-0.5	0.3	-0.3	55	50	NO	NO	NO
11	11_0015		Residential	1	SW	53	49	56	51	54	50	56	51	2.4	1.8	2.3	1.8	55	50	NO	NO	YES
11	11_0016		Residential	G	SW	52	47	54	49	52	48	55	50	2.2	1.7	2.2	1.5	55	50	NO	NO	NO
11	11_0017		Residential	G	SW	53	49	55	50	53	49	56	51	2.3	1.7	2.3	1.7	55	50	NO	NO	YES
11	11_0018		Residential	G	SW	53	48	55	50	53	49	56	51	2.5	1.7	2.3	1.7	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
11	11_0019		Residential	G	SW	53	48	55	50	53	49	56	51	2.5	1.8	2.5	1.8	55	50	NO	NO	YES
11	11_0020		Residential	G	SW	53	48	55	50	53	49	56	51	2.5	1.9	2.5	1.9	55	50	NO	NO	YES
11	11_0021		Residential	G	SW	53	49	55	50	54	49	56	51	2.5	1.8	2.4	1.8	55	50	NO	NO	YES
11	11_0022		Residential	G	SW	53	49	56	51	54	49	56	51	2.6	1.9	2.5	1.8	55	50	NO	NO	YES
11	11_0023		Residential	G	SW	53	49	55	50	54	49	56	51	2.5	1.8	2.4	1.7	55	50	NO	NO	YES
11	11_0024		Residential	G	SW	53	49	56	51	54	50	57	52	2.8	2	2.6	2	55	50	NO	NO	YES
11	11_0025		Residential	G	SW	54	50	56	51	55	50	57	52	2.4	1.7	2.3	1.7	55	50	NO	NO	YES
11	11_0026		Residential	G	SW	54	50	57	52	55	51	57	52	2.6	1.9	2.5	1.9	55	50	NO	NO	YES
11	11_0027		Residential	G	SW	54	49	57	52	54	50	57	52	2.9	2.1	2.8	2.1	55	50	NO	NO	YES
11	11_0028		Residential	G	NW	57	53	58	54	58	54	59	54	0.9	0.1	0.9	0.1	55	50	NO	NO	NO
11	11_0028		Residential	G	SW	53	49	55	50	54	49	56	51	2.4	1.7	2.3	1.7	55	50	NO	NO	YES
11	11_0029		Residential	G	NE	57	53	54	50	57	53	55	51	-2.7	-2.8	-2.6	-2.7	55	50	NO	NO	NO
11	11_0029		Residential	1	NW	58	54	58	53	59	55	58	54	-0.3	-1	-0.2	-0.8	55	50	NO	NO	NO
11	11_0029		Residential	1	SW	54	50	57	52	55	51	57	52	2.1	1.4	2.1	1.5	55	50	NO	NO	YES
11	11_0030		Residential	G	NE	57	53	55	51	57	53	55	51	-2.2	-2.4	-2.1	-2.3	55	50	NO	NO	NO
11	11_0031		Residential	G	NW	56	52	56	51	57	53	56	52	-0.7	-1.2	-0.5	-1.1	55	50	NO	NO	NO
11	11_0032		Residential	G	NW	57	53	56	52	57	53	57	52	-0.3	-0.9	-0.2	-0.9	55	50	NO	NO	NO
11	11_0033		Residential	G	NW	57	53	56	52	57	53	57	52	-0.8	-1.3	-0.7	-1.2	55	50	NO	NO	NO
11	11_0034		Residential	G	NW	57	53	58	53	58	54	59	54	1.3	0.4	1.3	0.5	55	50	NO	NO	NO
11	11_0034		Residential	G	SW	55	51	57	52	56	51	58	53	2.5	1.7	2.5	1.7	55	50	NO	NO	YES
11	11_0035		Residential	G	W	56	52	58	53	57	53	58	54	1.6	0.7	1.5	0.7	55	50	NO	NO	NO
11	11_0036		Residential	G	SW	55	51	58	53	56	52	58	53	2.4	1.6	2.4	1.5	55	50	NO	NO	YES
11	11_0037		Residential	G	SW	55	51	58	53	56	52	58	53	2.5	1.6	2.5	1.6	55	50	NO	NO	YES
11	11_0038		Residential	G	NE	59	55	57	53	60	56	58	54	-1.9	-2.2	-1.8	-2.1	55	50	NO	NO	NO
11	11_0038		Residential	G	SW	55	51	57	52	56	52	58	53	2.2	1.4	2.2	1.4	55	50	NO	NO	YES
11	11_0039		Residential	G	NW	59	55	59	55	59	55	60	55	0.9	0.1	1	0.1	55	50	NO	NO	YES
11	11_0040		Residential	G	N	61	57	61	56	62	58	61	57	-0.8	-1.5	-0.8	-1.3	55	50	NO	NO	YES
11	11_0041		Residential	G	NW	73	69	67	62	74	70	68	63	-5.7	-6.5	-5.9	-6.6	55	50	YES	YES	YES
11	11_0042		Residential	G	NW	74	70	67	62	75	70	68	63	-6.9	-7.4	-7.1	-7.6	55	50	YES	YES	YES
11	11_0043		Residential	G	NW	69	65	68	63	70	65	69	64	-0.6	-1.4	-0.7	-1.5	55	50	YES	YES	YES
11	11_0044		Residential	G	NW	67	63	68	63	68	64	68	63	0.5	-0.5	0.2	-0.7	55	50	YES	YES	YES
11	11_0045		Residential	G	W	54	50	58	53	55	51	58	53	3.3	2.5	3.1	2.4	55	50	NO	NO	YES
11	11_0046		Residential	G	NE	73	70	70	66	74	70	71	67	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0046		Residential	G	SW	61	57	61	56	61	57	61	57	-0.3	-1	-0.2	-0.8	55	50	NO	NO	YES
11	11_0047		Residential	G	NE	72	68	69	65	72	68	69	65	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0047		Residential	G	SW	59	56	60	55	60	56	60	56	0.4	-0.4	0.4	-0.3	55	50	NO	NO	YES
11	11_0048		Residential	G	NE	72	68	69	65	73	69	69	66	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0048		Residential	G	SW	59	55	60	55	60	56	60	55	0.4	-0.4	0.4	-0.3	55	50	NO	NO	YES
11	11_0049		Residential	G	NE	72	68	69	65	72	69	69	65	-3.3	-3.4	-3.1	-3.2	55	50	NO	NO	NO
11	11_0049		Residential	G	SW	59	55	60	55	59	55	60	55	0.6	-0.1	0.7	-0.1	55	50	NO	NO	YES
11	11_0050		Residential	G	NE	70	66	67	63	70	67	67	63	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0050		Residential	G	SW	59	55	59	55	59	55	60	55	0.7	-0.1	0.7	0	55	50	NO	NO	YES
11	11_0051		Residential	G	NE	71	68	68	64	72	68	69	65	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0051		Residential	G	SW	59	55	59	54	59	55	60	55	0.4	-0.4	0.4	-0.3	55	50	NO	NO	YES
11	11_0052		Residential	G	NE	70	67	67	63	71	67	68	64	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0052		Residential	G	SW	59	55	59	54	59	55	60	55	0.4	-0.3	0.5	-0.2	55	50	NO	NO	YES
11	11_0053		Residential	G	NE	73	70	70	66	74	70	71	67	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0053		Residential	G	SW	59	55	59	54	59	55	59	55	0	-0.7	0.1	-0.6	55	50	NO	NO	YES
11	11_0054		Residential	G	NE	69	66	66	62	70	66	67	63	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0054		Residential	G	NW	63	59	61	56	63	59	61	57	-1.8	-2.2	-1.7	-2.1	55	50	NO	NO	YES
11	11_0055		Residential	G	NE	70	66	67	63	70	67	67	63	-3.3	-3.4	-3.1	-3.2	55	50	NO	NO	NO
11	11_0056		Residential	G	NE	71	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0057		Residential	G	NE	72	68	68	65	72	68	69	65	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0058		Residential	G	NE	72	68	68	65	72	68	69	65	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0059		Residential	G	NE	71	67	68	64	72	68	68	65	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0060		Residential	G	NE	71	67	68	64	71	68	68	64	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0061		Residential	G	NE	72	69	69	65	73	69	70	66	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0062		Residential	G	NE	72	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
11	11_0063		Residential	G	NE	72	68	68	64	72	68	69	65	-3.3	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0064		Residential	G	NE	71	68	68	64	72	68	69	65	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0065		Residential	G	NE	72	68	68	65	72	68	69	65	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0066		Residential	G	NE	72	68	68	64	72	68	69	65	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0067		Residential	G	NE	72	69	69	65	73	69	69	66	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0068		Residential	G	N	62	58	60	56	62	58	60	56	-1.9	-2.3	-1.8	-2.2	55	50	NO	NO	YES
11	11_0069		Residential	G	NE	61	57	58	54	61	57	59	55	-2.5	-2.8	-2.3	-2.6	55	50	NO	NO	NO
11	11_0069		Residential	G	NW	60	56	59	54	60	56	59	55	-1	-1.5	-0.9	-1.4	55	50	NO	NO	YES
11	11_0070		Residential	G	NE	61	57	58	54	61	57	59	55	-2.6	-2.8	-2.4	-2.7	55	50	NO	NO	NO
11	11_0071		Residential	G	NE	61	57	58	54	61	57	58	54	-2.6	-2.8	-2.5	-2.7	55	50	NO	NO	NO
11	11_0072		Residential	G	NE	61	57	58	54	61	57	59	54	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
11	11_0073		Residential	G	NE	61	57	59	54	62	58	59	55	-2.6	-2.8	-2.5	-2.7	55	50	NO	NO	NO
11	11_0074		Residential	G	NE	60	57	58	54	61	57	58	54	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
11	11_0075		Residential	G	NE	61	57	58	54	61	57	59	55	-2.6	-2.8	-2.5	-2.7	55	50	NO	NO	NO
11	11_0076		Residential	G	NE	60	56	57	53	61	57	58	54	-2.9	-3.1	-2.8	-2.9	55	50	NO	NO	NO
11	11_0077		Residential	G	W	56	52	57	52	57	53	57	53	0.4	-0.3	0.5	-0.2	55	50	NO	NO	NO
11	11_0078		Residential	G	NE	62	58	59	55	62	59	60	56	-3	-3	-2.8	-2.9	55	50	NO	NO	NO
11	11_0079		Residential	G	NW	59	55	57	53	59	55	58	53	-1.7	-2.1	-1.6	-2	55	50	NO	NO	NO
11	11_0080		Residential	G	NW	59	55	57	53	59	55	58	53	-1.3	-1.8	-1.2	-1.7	55	50	NO	NO	NO
11	11_0081		Residential	G	NE	60	56	57	53	60	56	58	54	-2.9	-3	-2.7	-2.9	55	50	NO	NO	NO
11	11_0082		Residential	G	NE	60	56	57	53	60	56	57	53	-2.8	-3	-2.7	-2.8	55	50	NO	NO	NO
11	11_0083		Residential	G	NW	59	55	57	53	59	55	58	53	-1.7	-2.1	-1.6	-1.9	55	50	NO	NO	NO
11	11_0084		Residential	G	NW	57	53	56	52	58	54	57	52	-1.1	-1.7	-1	-1.6	55	50	NO	NO	NO
11	11_0085		Residential	G	NW	57	53	56	51	57	53	56	52	-1.1	-1.6	-1	-1.4	55	50	NO	NO	NO
11	11_0086		Residential	G	NW	57	53	55	51	57	53	56	52	-1.4	-1.8	-1.2	-1.6	55	50	NO	NO	NO
11	11_0087		Residential	G	NW	55	51	54	50	56	52	55	50	-0.7	-1.2	-0.6	-1.1	55	50	NO	NO	NO
11	11_0088		Residential	G	NE	56	52	54	50	57	52	54	50	-2.3	-2.5	-2.1	-2.3	55	50	NO	NO	NO
11	11_0089		Residential	G	NE	57	53	54	50	57	53	54	50	-2.6	-2.7	-2.5	-2.6	55	50	NO	NO	NO
11	11_0090		Residential	G	NE	57	53	55	51	58	54	55	51	-2.5	-2.7	-2.3	-2.6	55	50	NO	NO	NO
11	11_0091		Residential	G	NE	58	54	55	51	58	54	55	51	-2.6	-2.8	-2.4	-2.7	55	50	NO	NO	NO
11	11_0092		Residential	G	NE	58	54	55	51	58	54	56	51	-2.5	-2.8	-2.4	-2.6	55	50	NO	NO	NO
11	11_0093		Residential	G	NE	58	54	56	51	59	55	56	52	-2.6	-2.8	-2.4	-2.6	55	50	NO	NO	NO
11	11_0094		Residential	G	NE	59	55	56	52	59	55	57	52	-2.7	-2.8	-2.6	-2.7	55	50	NO	NO	NO
11	11_0095		Residential	G	NE	59	55	56	52	59	55	57	53	-2.8	-2.9	-2.6	-2.7	55	50	NO	NO	NO
12	12_0001		Residential	G	W	58	54	56	51	59	55	56	52	-2.5	-2.8	-2.6	-3	56	51	NO	NO	NO
12	12_0001		Residential	1	W	59	55	56	52	60	56	57	52	-2.6	-3	-2.8	-3.1	56	51	NO	NO	NO
12	12_0002		Residential	G	W	57	53	55	51	58	54	56	51	-2	-2.4	-2.2	-2.6	56	51	NO	NO	NO
12	12_0003		Residential	G	W	56	52	54	50	57	53	55	50	-1.8	-2.2	-2	-2.4	56	51	NO	NO	NO
12	12_0004		Residential	G	W	57	53	55	50	57	53	55	50	-2.2	-2.5	-2.3	-2.7	56	51	NO	NO	NO
12	12_0005		Residential	G	N	57	52	55	50	57	53	55	51	-1.7	-2.1	-1.9	-2.3	56	51	NO	NO	NO
12	12_0006		Residential	G	N	56	51	54	50	56	52	55	50	-1.5	-1.7	-1.7	-2.1	56	51	NO	NO	NO
12	12_0006		Residential	1	W	57	53	56	51	58	54	56	52	-1.8	-2.2	-1.9	-2.4	56	51	NO	NO	NO
12	12_0007		Residential	G	W	56	52	53	49	56	52	54	49	-2.3	-2.8	-2.5	-3	55	50	NO	NO	NO
12	12_0008		Residential	G	W	56	52	54	49	57	52	54	49	-2.4	-2.8	-2.6	-3	55	50	NO	NO	NO
12	12_0009		Residential	G	W	56	52	54	49	57	53	54	50	-2.4	-2.8	-2.6	-2.9	56	51	NO	NO	NO
12	12_0010		Residential	G	W	56	52	54	49	57	53	54	50	-2.1	-2.6	-2.3	-2.8	55	50	NO	NO	NO
12	12_0011		Residential	G	W	55	51	53	49	56	52	54	49	-1.9	-2.4	-2.1	-2.6	55	50	NO	NO	NO
12	12_0011		Residential	1	W	58	54	57	52	59	55	57	53	-1.2	-1.8	-1.4	-1.9	55	50	NO	NO	NO
12	12_0012		Residential	G	SW	55	51	53	48	56	52	54	49	-2.3	-2.8	-2.4	-2.9	55	50	NO	NO	NO
12	12_0013		Residential	G	W	55	51	52	48	55	51	53	48	-2.6	-2.9	-2.7	-3.2	55	50	NO	NO	NO
12	12_0013		Residential	1	W	58	54	56	51	59	55	56	52	-2.8	-3.2	-3	-3.3	55	50	NO	NO	NO
12	12_0014		Residential	G	W	55	51	53	48	56	52	53	49	-2.7	-3.1	-2.9	-3.3	55	50	NO	NO	NO
12	12_0015		Residential	G	SW	54	50	52	47	55	51	52	48	-2.3	-2.8	-2.5	-3	55	50	NO	NO	NO
12	12_0016		Residential	G	SW	55	51	53	48	56	52	53	49	-2.4	-2.9	-2.6	-3	55	50	NO	NO	NO
12	12_0016		Residential	1	SW	59	54	57	53	59	55	58	53	-1.3	-1.9	-1.4	-2	55	50	NO	NO	NO
12	12_0017		Residential	G	SW	55	51	53	48	56	52	53	49	-2.4	-3	-2.6	-3.1	55	50	NO	NO	NO
12	12_0018		Residential	G	SW	55	51	53	48	56	51	53	48	-2.4	-2.9	-2.6	-3	55	50	NO	NO	NO
12	12_0018		Residential	1	SW	59	54	57	53	59	55	58	53	-1.2	-1.8	-1.3	-1.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0019		Residential	G	W	52	48	50	45	53	49	51	46	-2.2	-2.7	-2.4	-2.9	55	50	NO	NO	NO
12	12_0020		Residential	G	NW	52	48	50	45	53	49	50	45	-2.6	-3.1	-2.8	-3.2	55	50	NO	NO	NO
12	12_0021		Residential	G	SW	54	49	51	47	54	50	52	47	-2.3	-2.7	-2.4	-2.9	55	50	NO	NO	NO
12	12_0021		Residential	1	SW	57	53	54	50	58	53	55	50	-2.5	-2.9	-2.6	-3.1	55	50	NO	NO	NO
12	12_0022		Residential	G	SE	54	50	53	48	54	50	53	49	-1.1	-1.7	-1	-1.7	55	50	NO	NO	NO
12	12_0022		Residential	1	SW	57	53	56	51	58	54	57	52	-1.4	-2	-1.4	-2	55	50	NO	NO	NO
12	12_0023		Residential	G	N	55	50	53	48	55	51	53	49	-1.9	-2.3	-2.2	-2.5	55	50	NO	NO	NO
12	12_0023		Residential	1	N	58	54	55	51	59	54	56	51	-2.5	-2.9	-2.7	-3.1	55	50	NO	NO	NO
12	12_0024		Residential	G	N	55	51	53	48	56	51	53	49	-1.9	-2.4	-2.2	-2.7	55	50	NO	NO	NO
12	12_0024		Residential	1	W	59	55	57	52	60	56	57	53	-2.6	-3.1	-2.8	-3.3	55	50	NO	NO	NO
12	12_0025		Residential	G	W	55	50	52	47	55	51	52	48	-2.6	-3	-2.8	-3.2	55	50	NO	NO	NO
12	12_0026		Residential	G	W	54	50	51	47	55	51	51	47	-3.3	-3.8	-3.7	-4	55	50	NO	NO	NO
12	12_0027		Residential	G	W	55	51	52	47	56	52	52	48	-3.3	-3.9	-3.8	-4.2	55	50	NO	NO	NO
12	12_0028		Residential	G	SW	56	51	53	48	56	52	53	49	-2.7	-3.2	-3	-3.4	55	50	NO	NO	NO
12	12_0029		Residential	G	SW	55	51	53	48	56	52	53	49	-2.7	-3.2	-2.9	-3.4	55	50	NO	NO	NO
12	12_0030		Residential	G	SW	56	52	53	49	57	52	54	49	-2.7	-3.2	-2.9	-3.3	55	50	NO	NO	NO
12	12_0031		Residential	G	SW	56	52	54	49	57	53	54	49	-2.6	-3.1	-2.9	-3.3	55	50	NO	NO	NO
12	12_0032		Residential	G	W	57	52	54	50	57	53	55	50	-2.4	-2.9	-2.6	-3.1	55	50	NO	NO	NO
12	12_0033		Residential	G	SW	57	53	54	50	58	53	55	50	-2.4	-3	-2.6	-3	55	50	NO	NO	NO
12	12_0034		Residential	G	SW	57	53	55	50	58	54	55	51	-2.3	-2.8	-2.4	-3	55	50	NO	NO	NO
12	12_0035		Residential	G	SW	58	54	56	51	58	54	56	52	-1.8	-2.4	-1.9	-2.5	55	50	NO	NO	NO
12	12_0036		Residential	G	SW	58	54	56	52	58	54	57	52	-1.5	-2.1	-1.6	-2.2	55	50	NO	NO	NO
12	12_0037		Residential	G	SW	58	53	56	51	58	54	56	51	-1.9	-2.5	-1.9	-2.5	55	50	NO	NO	NO
12	12_0037		Residential	1	SW	59	55	57	53	60	55	58	53	-1.7	-2.4	-1.7	-2.4	55	50	NO	NO	NO
12	12_0038		Residential	G	S	57	53	55	50	57	53	55	51	-1.9	-2.6	-2	-2.6	55	50	NO	NO	NO
12	12_0039		Residential	G	S	55	51	54	49	56	52	54	50	-1.5	-2.1	-1.5	-2.1	55	50	NO	NO	NO
12	12_0040		Residential	G	SE	58	54	55	50	59	55	55	50	-3.5	-3.9	-3.6	-4.1	55	50	NO	NO	NO
12	12_0040		Residential	1	SE	61	57	58	54	62	58	59	54	-3	-3.5	-3.1	-3.6	55	50	NO	NO	NO
12	12_0041		Residential	G	S	58	54	55	50	59	55	55	51	-3.8	-4.2	-3.9	-4.3	55	50	NO	NO	NO
12	12_0041		Residential	1	S	62	58	59	54	62	58	59	54	-3.3	-3.8	-3.4	-3.9	55	50	NO	NO	NO
12	12_0042		Residential	G	S	59	55	54	50	59	55	55	50	-4.3	-4.6	-4.4	-4.7	55	50	NO	NO	NO
12	12_0042		Residential	1	S	62	58	59	54	63	59	59	55	-3.6	-4	-3.7	-4.1	55	50	NO	NO	YES
12	12_0043		Residential	G	SE	60	56	55	51	61	57	56	51	-4.9	-5.2	-5	-5.2	55	50	NO	NO	NO
12	12_0044		Residential	G	SW	61	57	56	51	61	57	56	52	-5.2	-5.4	-5.4	-5.5	55	50	NO	NO	NO
12	12_0044		Residential	1	SW	64	60	60	56	65	61	60	56	-4.4	-4.8	-4.6	-4.9	55	50	NO	NO	YES
12	12_0045		Residential	G	W	62	58	56	52	62	58	57	53	-5.4	-5.5	-5.5	-5.6	55	50	NO	NO	NO
12	12_0046		Residential	G	W	62	57	56	52	62	58	56	52	-5.5	-5.7	-5.7	-5.8	55	50	NO	NO	NO
12	12_0046		Residential	1	W	65	61	60	56	66	62	60	56	-5.5	-5.7	-5.7	-5.9	55	50	NO	NO	NO
12	12_0047		Residential	G	W	63	59	58	53	64	60	58	54	-5.7	-5.8	-5.7	-5.9	55	50	NO	NO	NO
12	12_0047		Residential	1	W	68	64	62	58	68	64	63	58	-5.6	-5.8	-5.7	-5.9	55	50	NO	NO	NO
12	12_0048		Residential	G	W	64	59	58	54	64	60	58	54	-5.6	-5.7	-5.8	-5.8	55	50	NO	NO	NO
12	12_0048		Residential	1	W	68	63	62	58	68	64	63	58	-5.2	-5.4	-5.3	-5.5	55	50	NO	NO	NO
12	12_0049		Residential	G	W	70	65	65	60	70	66	65	61	-5	-5.2	-5	-5.1	55	50	NO	NO	NO
12	12_0050		Residential	G	S	59	55	55	50	59	55	55	51	-3.6	-4.1	-3.7	-4.1	55	50	NO	NO	NO
12	12_0051		Residential	G	S	59	55	55	51	60	56	56	51	-4	-4.4	-4.1	-4.5	55	50	NO	NO	NO
12	12_0052		Residential	G	S	59	55	55	51	60	56	56	51	-3.9	-4.5	-4.1	-4.6	55	50	NO	NO	NO
12	12_0053		Residential	G	SW	61	56	56	51	61	57	56	52	-4.7	-5	-4.9	-5.3	55	50	NO	NO	NO
12	12_0054		Residential	G	S	62	58	58	54	63	59	59	54	-3.7	-4.1	-3.7	-4.1	55	50	NO	NO	NO
12	12_0055		Residential	G	W	65	61	60	56	66	62	61	57	-4.9	-5.2	-5.1	-5.2	55	50	NO	NO	NO
12	12_0055		Residential	G	S	64	60	60	55	64	60	60	56	-4.4	-4.6	-4.4	-4.6	55	50	NO	NO	YES
12	12_0055		Residential	1	W	68	64	64	59	69	64	64	60	-4.5	-4.8	-4.6	-4.9	55	50	NO	NO	YES
12	12_0056		Residential	G	W	66	62	62	57	67	63	62	58	-4.5	-4.8	-4.5	-4.9	55	50	NO	NO	NO
12	12_0056		Residential	G	S	65	60	61	56	65	61	61	57	-3.8	-4.1	-3.8	-4.1	55	50	NO	NO	YES
12	12_0056		Residential	1	W	69	65	64	60	69	65	65	60	-4.4	-4.8	-4.5	-4.8	55	50	NO	NO	YES
12	12_0057		Residential	G	SE	59	55	56	51	59	55	56	52	-3.1	-3.7	-3.2	-3.7	55	50	NO	NO	NO
12	12_0058		Residential	G	S	59	55	56	51	60	56	56	52	-3.5	-3.9	-3.5	-4	55	50	NO	NO	NO
12	12_0059		Residential	G	SE	60	55	56	51	60	56	56	52	-3.9	-4.3	-4	-4.4	55	50	NO	NO	NO
12	12_0060		Residential	G	S	60	56	56	52	61	57	57	52	-3.7	-4.1	-3.9	-4.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0061		Residential	G	S	57	53	54	49	58	53	54	49	-3.5	-3.9	-3.6	-4	55	50	NO	NO	NO
12	12_0062		Residential	G	SE	58	54	54	50	58	54	55	50	-3.4	-3.9	-3.4	-3.9	55	50	NO	NO	NO
12	12_0063		Residential	G	SE	58	53	54	50	58	54	55	50	-3.5	-3.9	-3.6	-4	55	50	NO	NO	NO
12	12_0064		Residential	G	SE	59	55	56	51	60	56	56	52	-3.7	-4.1	-3.7	-4.2	55	50	NO	NO	NO
12	12_0065		Residential	G	S	59	55	56	51	60	56	56	51	-3.9	-4.3	-3.9	-4.4	55	50	NO	NO	NO
12	12_0066		Residential	G	SE	59	55	55	50	59	55	55	50	-4.3	-4.7	-4.4	-4.7	55	50	NO	NO	NO
12	12_0067		Residential	G	W	63	59	59	55	64	60	60	55	-3.9	-4.3	-4.1	-4.4	55	50	NO	NO	YES
12	12_0068		Residential	G	W	65	61	60	56	65	61	61	56	-4.4	-4.8	-4.6	-4.9	55	50	NO	NO	YES
12	12_0068		Residential	1	W	67	63	63	58	68	64	63	59	-4.4	-4.7	-4.4	-4.8	55	50	NO	NO	YES
12	12_0069		Residential	G	SE	61	57	57	53	61	57	58	53	-3.8	-4.2	-3.8	-4.2	55	50	NO	NO	NO
12	12_0070		Residential	G	SE	60	56	56	52	60	56	57	52	-3.6	-4.1	-3.7	-4.1	55	50	NO	NO	NO
12	12_0071		Residential	G	S	60	56	56	52	61	57	57	52	-3.8	-4.2	-3.9	-4.3	55	50	NO	NO	NO
12	12_0072		Residential	G	S	60	56	58	53	61	57	58	53	-2.7	-3.2	-2.7	-3.2	55	50	NO	NO	NO
12	12_0073		Residential	G	S	58	54	57	52	59	55	57	52	-1.9	-2.5	-1.8	-2.4	55	50	NO	NO	NO
12	12_0073		Residential	1	W	62	58	59	55	63	59	60	55	-2.9	-3.4	-2.9	-3.5	55	50	NO	NO	YES
12	12_0074		Residential	G	S	60	55	57	53	60	56	58	53	-2.2	-2.7	-2.1	-2.7	55	50	NO	NO	NO
12	12_0075		Residential	G	W	63	59	57	53	64	60	57	53	-5.6	-6.4	-6.8	-6.8	55	50	NO	NO	NO
12	12_0075		Residential	1	W	64	61	60	55	66	61	60	56	-4.7	-5.5	-5.7	-5.7	55	50	NO	NO	YES
12	12_0076		Residential	G	W	62	58	58	53	63	58	58	54	-3.9	-4.7	-4.6	-4.9	55	50	NO	NO	NO
12	12_0076		Residential	1	W	63	60	59	55	65	60	60	55	-4	-4.7	-4.8	-5	55	50	NO	NO	YES
12	12_0077		Residential	G	W	60	56	56	51	61	56	56	51	-4	-4.6	-4.5	-4.9	55	50	NO	NO	NO
12	12_0077		Residential	1	W	62	58	58	54	63	58	59	54	-3.3	-4	-3.8	-4.2	55	50	NO	NO	NO
12	12_0078		Residential	G	W	60	56	56	51	60	56	56	52	-3.9	-4.5	-4.3	-4.7	55	50	NO	NO	NO
12	12_0078		Residential	1	W	62	58	59	54	62	58	59	54	-3.1	-3.8	-3.3	-3.9	55	50	NO	NO	NO
12	12_0079		Residential	G	SW	59	55	55	51	60	56	56	51	-3.5	-4.1	-3.8	-4.2	55	50	NO	NO	NO
12	12_0079		Residential	1	SW	61	57	59	54	62	58	59	54	-2.9	-3.5	-3.1	-3.6	55	50	NO	NO	NO
12	12_0080		Residential	G	SW	59	55	56	51	60	56	56	51	-3.4	-4	-3.7	-4.2	55	50	NO	NO	NO
12	12_0080		Residential	1	SW	61	57	58	54	62	58	59	54	-2.8	-3.4	-3	-3.5	55	50	NO	NO	NO
12	12_0081		Residential	G	W	59	55	57	52	60	56	57	53	-2.6	-3.2	-2.7	-3.3	55	50	NO	NO	NO
12	12_0081		Residential	1	W	61	57	59	54	62	58	59	55	-2.6	-3.1	-2.7	-3.2	55	50	NO	NO	YES
12	12_0082		Residential	G	W	58	54	55	50	59	55	55	50	-3.7	-4.2	-3.9	-4.4	55	50	NO	NO	NO
12	12_0083		Residential	G	W	59	55	56	52	59	55	57	52	-2.3	-3	-2.4	-3.1	55	50	NO	NO	NO
12	12_0083		Residential	1	W	61	57	59	54	62	58	59	54	-2.4	-3	-2.6	-3.2	55	50	NO	NO	NO
12	12_0084		Residential	G	W	58	54	55	50	59	55	55	51	-3.3	-3.8	-3.4	-3.9	55	50	NO	NO	NO
12	12_0085		Residential	G	SW	59	55	55	51	59	55	56	51	-3.4	-4	-3.7	-4.1	55	50	NO	NO	NO
12	12_0086		Residential	G	W	54	50	51	47	54	50	52	47	-2.6	-3	-2.7	-3.2	55	50	NO	NO	NO
12	12_0086		Residential	1	W	57	53	54	50	57	53	55	50	-2.6	-2.9	-2.7	-3.2	55	50	NO	NO	NO
12	12_0087		Residential	G	SW	54	50	51	47	54	50	52	47	-2.3	-2.8	-2.5	-2.9	55	50	NO	NO	NO
12	12_0088		Residential	G	W	53	49	51	46	54	49	52	47	-1.9	-2.4	-2.1	-2.5	55	50	NO	NO	NO
12	12_0089		Residential	G	W	53	49	51	46	53	49	51	47	-2.2	-2.7	-2.3	-2.8	55	50	NO	NO	NO
12	12_0090		Residential	G	SW	53	49	50	46	53	49	51	46	-2.4	-2.8	-2.6	-3	55	50	NO	NO	NO
12	12_0091		Residential	G	SW	53	49	51	47	54	50	52	47	-1.9	-2.4	-2	-2.5	55	50	NO	NO	NO
12	12_0091		Residential	1	SW	56	51	54	50	56	52	55	50	-1.3	-1.8	-1.3	-1.9	55	50	NO	NO	NO
12	12_0092		Residential	G	S	60	56	56	51	60	56	56	52	-4	-4.3	-4	-4.2	55	50	NO	NO	NO
12	12_0092		Residential	1	W	63	59	59	55	64	60	60	55	-4.4	-4.7	-4.4	-4.8	55	50	NO	NO	YES
12	12_0093		Residential	G	S	62	58	59	54	63	59	59	55	-3.3	-3.7	-3.3	-3.7	55	50	NO	NO	YES
12	12_0094		Residential	G	SW	61	57	58	53	61	57	58	54	-3	-3.5	-3.1	-3.6	55	50	NO	NO	NO
12	12_0094		Residential	1	SW	62	58	59	55	63	59	60	55	-2.8	-3.3	-2.9	-3.4	55	50	NO	NO	YES
12	12_0095		Residential	G	W	58	54	54	50	58	54	55	50	-3.4	-3.9	-3.5	-3.9	55	50	NO	NO	NO
12	12_0096		Residential	G	SW	59	55	57	52	60	56	57	53	-2.4	-3	-2.5	-3.1	55	50	NO	NO	NO
12	12_0097		Residential	G	N	54	50	52	48	54	50	53	48	-1.6	-2	-1.8	-2.2	56	51	NO	NO	NO
12	12_0098		Residential	G	N	54	49	52	47	54	50	52	48	-1.9	-2.4	-2.1	-2.6	56	51	NO	NO	NO
12	12_0099		Residential	G	W	53	49	52	47	54	49	52	47	-1.3	-1.8	-1.6	-2.1	56	51	NO	NO	NO
12	12_0099		Residential	1	W	58	54	56	52	59	55	57	52	-2.1	-2.6	-2.4	-2.7	56	51	NO	NO	NO
12	12_0100		Residential	G	W	54	50	52	47	54	50	52	48	-1.9	-2.4	-2.1	-2.5	55	50	NO	NO	NO
12	12_0100		Residential	1	W	58	54	56	51	59	54	56	52	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0101		Residential	G	W	54	50	51	47	54	50	52	47	-2.5	-3	-2.7	-3.2	56	51	NO	NO	NO
12	12_0102		Residential	G	W	54	50	52	47	55	51	52	48	-2.2	-2.6	-2.4	-2.8	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0103		Residential	G	N	54	50	53	48	55	51	53	49	-1.8	-2.3	-2.1	-2.5	55	50	NO	NO	NO
12	12_0104		Residential	G	N	53	49	51	47	54	50	52	47	-1.8	-2.3	-2	-2.5	55	50	NO	NO	NO
12	12_0105		Residential	G	W	53	49	51	46	54	50	51	47	-2.6	-3.1	-2.7	-3.2	55	50	NO	NO	NO
12	12_0106		Residential	G	W	54	50	52	47	55	50	52	47	-2.4	-2.9	-2.6	-3.1	55	50	NO	NO	NO
12	12_0107		Residential	G	N	56	52	54	50	57	52	55	50	-1.5	-1.8	-1.7	-2	56	51	NO	NO	NO
12	12_0108		Residential	G	N	56	51	54	50	56	52	55	50	-1.4	-1.7	-1.6	-2	56	51	NO	NO	NO
12	12_0109		Residential	G	N	56	51	54	50	56	52	55	50	-1.4	-1.7	-1.7	-2	56	51	NO	NO	NO
12	12_0110		Residential	G	N	56	51	54	50	56	52	55	50	-1.4	-1.7	-1.7	-2	56	51	NO	NO	NO
12	12_0111		Residential	G	W	55	51	53	48	56	52	54	49	-2	-2.5	-2.3	-2.7	56	51	NO	NO	NO
12	12_0112		Residential	G	W	54	50	53	48	55	51	53	49	-1.3	-1.7	-1.5	-1.9	56	51	NO	NO	NO
12	12_0113		Residential	G	W	55	51	54	49	56	52	54	49	-1.8	-2.2	-1.9	-2.4	56	51	NO	NO	NO
12	12_0114		Residential	G	W	54	49	52	48	54	50	53	48	-1.5	-1.9	-1.7	-2.1	56	51	NO	NO	NO
12	12_0115		Residential	G	W	55	51	53	49	56	51	54	49	-1.5	-2	-1.7	-2.1	56	51	NO	NO	NO
12	12_0116		Residential	G	W	54	50	53	48	55	51	53	49	-1.5	-1.9	-1.8	-2.2	56	51	NO	NO	NO
12	12_0117		Residential	G	W	54	50	53	48	55	51	53	49	-1.6	-2	-1.8	-2.2	56	51	NO	NO	NO
12	12_0118		Residential	G	N	54	50	52	48	55	50	53	48	-1.7	-2.1	-1.9	-2.3	56	51	NO	NO	NO
12	12_0119		Residential	G	N	54	50	52	48	55	51	53	48	-1.9	-2.3	-2.1	-2.5	56	51	NO	NO	NO
12	12_0120		Residential	G	N	54	49	52	48	54	50	53	48	-1.3	-1.7	-1.5	-1.9	56	51	NO	NO	NO
12	12_0121		Residential	G	W	56	52	54	49	57	53	55	50	-2	-2.5	-2.2	-2.7	55	50	NO	NO	NO
12	12_0122		Residential	G	W	55	51	54	49	56	52	54	49	-1.6	-2.2	-1.8	-2.3	55	50	NO	NO	NO
12	12_0122		Residential	1	W	58	54	57	52	58	54	57	52	-1.1	-1.7	-1.3	-1.8	55	50	NO	NO	NO
12	12_0123		Residential	G	W	54	50	52	48	55	51	53	48	-1.8	-2.3	-2	-2.4	55	50	NO	NO	NO
12	12_0124		Residential	G	NW	54	49	52	47	54	50	52	48	-1.9	-2.3	-2.1	-2.6	55	50	NO	NO	NO
12	12_0125		Residential	G	SW	54	50	51	47	54	50	52	47	-2.4	-3	-2.6	-3.1	55	50	NO	NO	NO
12	12_0125		Residential	1	SW	57	53	55	50	58	53	55	51	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0126		Residential	G	W	54	50	53	48	55	51	53	49	-1.8	-2.3	-2	-2.4	55	50	NO	NO	NO
12	12_0127		Residential	G	S	52	48	50	45	53	49	50	46	-2.3	-2.9	-2.5	-2.9	55	50	NO	NO	NO
12	12_0128		Residential	G	W	51	47	49	45	52	48	50	45	-2.1	-2.6	-2.3	-2.7	55	50	NO	NO	NO
12	12_0129		Residential	G	W	52	48	50	45	52	48	50	45	-2.2	-2.7	-2.2	-2.8	55	50	NO	NO	NO
12	12_0129		Residential	1	W	55	51	53	48	56	52	54	49	-2.1	-2.6	-2.3	-2.7	55	50	NO	NO	NO
12	12_0130		Residential	G	W	52	48	50	45	52	48	50	46	-1.8	-2.4	-1.9	-2.5	55	50	NO	NO	NO
12	12_0131		Residential	G	W	53	49	51	46	53	49	51	47	-2.1	-2.6	-2.2	-2.7	55	50	NO	NO	NO
12	12_0131		Residential	1	W	55	51	53	49	56	52	54	49	-1.8	-2.3	-1.9	-2.4	55	50	NO	NO	NO
12	12_0132		Residential	G	W	53	49	51	46	54	50	51	47	-2.1	-2.5	-2.2	-2.7	55	50	NO	NO	NO
12	12_0133		Residential	G	W	53	48	51	46	53	49	51	46	-2.1	-2.5	-2.2	-2.8	55	50	NO	NO	NO
12	12_0133		Residential	1	W	55	51	53	49	56	52	54	49	-2	-2.5	-2.1	-2.6	55	50	NO	NO	NO
12	12_0134		Residential	G	W	52	48	52	47	53	49	52	48	-0.7	-1.4	-0.7	-1.3	55	50	NO	NO	NO
12	12_0134		Residential	1	W	55	51	54	50	56	52	55	50	-1.2	-1.8	-1.2	-1.8	55	50	NO	NO	NO
12	12_0135		Residential	G	W	54	50	53	48	54	50	53	48	-1.2	-1.9	-1.3	-1.9	55	50	NO	NO	NO
12	12_0135		Residential	1	W	56	52	55	50	57	53	55	51	-1.5	-2.1	-1.6	-2.1	55	50	NO	NO	NO
12	12_0136		Residential	G	N	62	58	59	54	63	58	59	55	-3.4	-3.7	-3.6	-3.9	58	53	NO	NO	NO
12	12_0137		Residential	G	SW	61	56	57	52	61	57	57	53	-3.7	-4.1	-4	-4.3	58	53	NO	NO	NO
12	12_0138		Residential	G	SW	60	56	57	52	61	57	57	53	-3.5	-4	-3.8	-4.2	58	53	NO	NO	NO
12	12_0139		Residential	G	SW	60	56	56	52	60	56	57	52	-3.6	-3.9	-3.9	-4.3	58	53	NO	NO	NO
12	12_0140		Residential	G	SW	59	55	55	51	59	55	56	51	-3.3	-3.8	-3.6	-4	58	53	NO	NO	NO
12	12_0141		Residential	G	N	59	55	56	51	60	56	56	52	-3.1	-3.5	-3.3	-3.6	57	52	NO	NO	NO
12	12_0142		Residential	G	N	59	55	56	52	60	56	57	52	-3	-3.4	-3.3	-3.5	57	52	NO	NO	NO
12	12_0143		Residential	G	NW	59	55	56	51	60	56	56	52	-3.2	-3.7	-3.5	-3.8	57	52	NO	NO	NO
12	12_0144		Residential	G	W	60	56	57	52	61	56	57	53	-3.2	-3.6	-3.5	-3.9	57	52	NO	NO	NO
12	12_0145		Residential	G	N	59	55	56	52	60	56	57	52	-2.7	-3	-2.9	-3.3	57	52	NO	NO	NO
12	12_0146		Residential	G	N	59	55	56	52	60	55	57	52	-2.7	-3.1	-2.9	-3.2	56	51	NO	NO	NO
12	12_0147		Residential	G	N	58	54	56	51	59	54	56	52	-2.4	-2.7	-2.6	-2.9	55	50	NO	NO	NO
12	12_0148		Residential	G	N	57	52	54	50	57	53	55	50	-2.4	-2.8	-2.7	-3	55	50	NO	NO	NO
12	12_0149		Residential	G	W	59	55	56	52	60	56	57	52	-3	-3.3	-3.2	-3.6	58	53	NO	NO	NO
12	12_0150		Residential	G	N	59	54	56	52	59	55	57	52	-2.4	-2.8	-2.6	-3	58	53	NO	NO	NO
12	12_0151		Residential	G	W	59	55	56	52	60	56	57	52	-2.9	-3.3	-3.1	-3.4	57	52	NO	NO	NO
12	12_0152		Residential	G	W	59	55	56	52	60	55	57	52	-2.8	-3.1	-3	-3.3	57	52	NO	NO	NO
12	12_0153		Residential	G	N	59	54	56	52	59	55	57	52	-2.4	-2.7	-2.5	-2.9	58	53	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0154		Residential	G	N	58	54	56	51	59	55	56	52	-2.3	-2.7	-2.5	-2.9	58	53	NO	NO	NO
12	12_0155		Residential	G	W	59	55	56	52	60	56	57	52	-2.9	-3.3	-3.2	-3.5	57	52	NO	NO	NO
12	12_0156		Residential	G	W	60	55	56	52	60	56	57	52	-3.4	-3.7	-3.7	-4	58	53	NO	NO	NO
12	12_0156		Residential	1	W	61	57	58	53	62	57	58	53	-3.4	-3.8	-3.7	-4	58	53	NO	NO	NO
12	12_0157		Residential	G	W	60	56	57	52	61	57	57	53	-3.2	-3.6	-3.5	-3.9	58	53	NO	NO	NO
12	12_0157		Residential	1	W	61	57	58	54	62	58	59	54	-3.3	-3.6	-3.6	-3.9	58	53	NO	NO	NO
12	12_0158		Residential	G	W	58	54	56	51	59	55	56	52	-2.6	-3	-2.8	-3.2	57	52	NO	NO	NO
12	12_0158		Residential	1	W	60	56	57	53	61	56	58	53	-2.9	-3.3	-3.1	-3.5	57	52	NO	NO	NO
12	12_0159		Residential	G	N	56	52	55	50	57	53	55	50	-1.7	-2	-1.9	-2.3	56	51	NO	NO	NO
12	12_0159		Residential	1	N	58	54	56	51	58	54	56	52	-1.9	-2.3	-2.1	-2.5	56	51	NO	NO	NO
12	12_0160		Residential	G	N	55	51	54	49	56	52	54	50	-1.3	-1.7	-1.6	-2	57	52	NO	NO	NO
12	12_0161		Residential	G	N	54	50	53	49	55	51	54	49	-1.2	-1.5	-1.5	-1.8	57	52	NO	NO	NO
12	12_0162		Residential	G	N	55	51	54	49	56	51	54	50	-1.2	-1.5	-1.5	-1.8	57	52	NO	NO	NO
12	12_0163		Residential	G	N	54	50	53	48	55	51	54	49	-0.9	-1.3	-1.2	-1.6	57	52	NO	NO	NO
12	12_0164		Residential	G	N	54	50	53	49	55	51	54	49	-0.9	-1.2	-1.3	-1.6	57	52	NO	NO	NO
12	12_0165		Residential	G	N	54	50	53	49	55	51	54	49	-0.9	-1.2	-1.2	-1.6	57	52	NO	NO	NO
12	12_0166		Residential	G	N	54	50	53	49	55	51	54	49	-0.8	-1.2	-1.2	-1.6	57	52	NO	NO	NO
12	12_0167		Residential	G	N	52	48	51	47	53	49	52	47	-1	-1.2	-1.1	-1.5	57	52	NO	NO	NO
12	12_0168		Residential	G	W	53	49	52	48	54	50	53	48	-1	-1.4	-1.2	-1.6	57	52	NO	NO	NO
12	12_0169		Residential	G	W	53	49	52	47	54	50	52	48	-1.1	-1.5	-1.3	-1.7	57	52	NO	NO	NO
12	12_0170		Residential	G	W	52	48	51	46	53	49	51	47	-1.1	-1.6	-1.3	-1.7	57	52	NO	NO	NO
12	12_0171		Residential	G	N	52	48	51	46	53	49	51	47	-1.2	-1.6	-1.5	-1.9	56	51	NO	NO	NO
12	12_0172		Residential	G	S	53	49	51	46	53	49	51	47	-1.9	-2.5	-2	-2.6	56	51	NO	NO	NO
12	12_0173		Residential	G	S	53	48	51	46	53	49	51	47	-1.9	-2.4	-2.1	-2.5	56	51	NO	NO	NO
12	12_0174		Residential	G	W	53	49	51	47	54	49	52	47	-1.5	-1.9	-1.7	-2.1	56	51	NO	NO	NO
12	12_0175		Residential	G	W	56	52	54	50	57	53	55	50	-1.5	-1.8	-1.6	-2.1	56	51	NO	NO	NO
12	12_0176		Residential	G	N	55	50	54	49	55	51	54	50	-0.9	-1.3	-1.2	-1.6	57	52	NO	NO	NO
12	12_0177		Residential	G	W	54	50	53	48	55	51	53	49	-1.2	-1.7	-1.5	-1.9	57	52	NO	NO	NO
12	12_0178		Residential	G	W	56	52	54	50	57	52	55	50	-1.4	-1.8	-1.6	-2	56	51	NO	NO	NO
12	12_0179		Residential	G	W	56	52	54	50	56	52	55	50	-1.4	-1.9	-1.6	-2.1	56	51	NO	NO	NO
12	12_0180		Residential	G	S	53	49	51	47	54	50	52	47	-2	-2.6	-2.2	-2.7	56	51	NO	NO	NO
12	12_0181		Residential	G	W	55	51	54	49	56	52	54	50	-1.3	-1.8	-1.6	-2	56	51	NO	NO	NO
12	12_0182		Residential	G	S	53	49	51	46	54	49	52	47	-1.8	-2.4	-2	-2.5	56	51	NO	NO	NO
12	12_0183		Residential	G	W	56	52	54	50	57	52	55	50	-1.7	-2.2	-1.9	-2.3	56	51	NO	NO	NO
12	12_0184		Residential	G	S	52	48	49	45	52	48	50	45	-2.4	-2.9	-2.5	-3	56	51	NO	NO	NO
12	12_0185		Residential	G	S	52	48	50	46	53	49	51	46	-2.2	-2.7	-2.3	-2.9	56	51	NO	NO	NO
12	12_0186		Residential	G	S	53	49	51	46	53	49	51	46	-2.2	-2.7	-2.3	-2.8	56	51	NO	NO	NO
12	12_0187		Residential	G	W	54	50	53	48	55	51	53	49	-1.6	-2	-1.8	-2.3	56	51	NO	NO	NO
12	12_0188		Residential	G	N	53	49	51	46	53	49	51	47	-1.9	-2.4	-2.2	-2.6	56	51	NO	NO	NO
12	12_0189		Residential	G	N	53	48	51	46	53	49	51	47	-1.9	-2.3	-2.1	-2.5	56	51	NO	NO	NO
12	12_0190		Residential	G	W	53	49	51	47	54	50	52	47	-1.6	-2.1	-1.8	-2.2	56	51	NO	NO	NO
12	12_0191		Residential	G	W	52	48	51	46	53	49	51	47	-1.5	-2	-1.7	-2.1	56	51	NO	NO	NO
12	12_0192		Residential	G	W	53	49	51	47	53	49	52	47	-1.3	-1.7	-1.3	-1.9	56	51	NO	NO	NO
12	12_0193		Residential	G	W	53	49	51	47	54	49	52	47	-1.6	-2.1	-1.8	-2.2	55	50	NO	NO	NO
12	12_0193		Residential	1	W	56	51	54	49	56	52	55	50	-1.5	-2	-1.6	-2.2	55	50	NO	NO	NO
12	12_0194		Residential	G	W	53	49	51	46	53	49	52	47	-1.6	-2.1	-1.7	-2.2	55	50	NO	NO	NO
12	12_0195		Residential	G	W	53	49	51	47	54	49	52	47	-1.7	-2.2	-1.8	-2.3	55	50	NO	NO	NO
12	12_0196		Residential	G	W	53	49	51	47	54	50	52	47	-1.9	-2.4	-2	-2.5	55	50	NO	NO	NO
12	12_0197		Residential	G	W	53	49	52	47	54	50	52	48	-1.8	-2.3	-1.9	-2.4	55	50	NO	NO	NO
12	12_0197		Residential	1	W	56	52	55	50	57	53	55	51	-1.3	-2	-1.5	-2.1	55	50	NO	NO	NO
12	12_0198		Residential	G	W	53	49	52	47	54	50	53	48	-1.4	-1.9	-1.4	-2	55	50	NO	NO	NO
12	12_0199		Residential	G	W	54	50	53	48	55	51	54	49	-1.3	-1.9	-1.4	-1.9	55	50	NO	NO	NO
12	12_0200		Residential	G	S	54	49	52	47	54	50	52	47	-1.9	-2.5	-2	-2.6	55	50	NO	NO	NO
12	12_0201		Residential	G	S	53	49	51	47	54	50	52	47	-2	-2.6	-2.1	-2.6	55	50	NO	NO	NO
12	12_0202		Residential	G	S	53	49	51	47	54	50	52	47	-2	-2.6	-2.1	-2.6	55	50	NO	NO	NO
12	12_0203		Residential	G	W	53	49	52	47	54	50	52	48	-1.7	-2.2	-1.8	-2.3	55	50	NO	NO	NO
12	12_0204		Residential	G	W	53	49	52	48	54	50	53	48	-1.3	-1.8	-1.4	-1.9	55	50	NO	NO	NO
12	12_0204		Residential	1	W	56	52	55	50	57	53	55	51	-1.2	-1.8	-1.3	-1.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0205		Residential	G	W	53	49	52	47	54	50	52	48	-1.4	-1.9	-1.6	-2	55	50	NO	NO	NO
12	12_0206		Residential	G	W	53	49	51	47	54	50	52	47	-1.9	-2.3	-2	-2.4	55	50	NO	NO	NO
12	12_0207		Residential	G	W	53	49	51	47	54	50	52	47	-1.8	-2.3	-2	-2.4	55	50	NO	NO	NO
12	12_0208		Residential	G	W	53	49	51	47	54	50	52	47	-1.6	-2.1	-1.7	-2.2	55	50	NO	NO	NO
12	12_0208		Residential	1	W	56	52	54	50	56	52	55	50	-1.5	-2	-1.6	-2.1	55	50	NO	NO	NO
12	12_0209		Residential	G	W	54	50	53	48	55	51	53	48	-1.4	-1.9	-1.6	-2.1	56	51	NO	NO	NO
12	12_0210		Residential	G	N	53	49	52	47	54	50	52	48	-1.5	-1.9	-1.8	-2.2	56	51	NO	NO	NO
12	12_0211		Residential	G	N	53	49	52	47	54	50	52	48	-1.4	-1.8	-1.7	-2.1	56	51	NO	NO	NO
12	12_0212		Residential	G	N	53	49	52	47	54	50	52	48	-1.3	-1.8	-1.6	-2	56	51	NO	NO	NO
12	12_0213		Residential	G	W	54	50	53	48	55	51	53	49	-1.3	-1.8	-1.5	-1.9	56	51	NO	NO	NO
12	12_0214		Residential	G	W	53	49	52	47	54	49	52	48	-1.2	-1.7	-1.4	-1.8	56	51	NO	NO	NO
12	12_0215		Residential	G	W	54	50	52	48	55	50	53	48	-1.4	-1.9	-1.6	-2	56	51	NO	NO	NO
12	12_0215		Residential	1	W	56	52	55	50	57	53	55	51	-1.2	-1.8	-1.4	-1.9	56	51	NO	NO	NO
12	12_0216		Residential	G	W	53	49	52	47	53	49	52	48	-0.8	-1.4	-1	-1.4	56	51	NO	NO	NO
12	12_0217		Residential	G	W	54	50	52	48	54	50	53	48	-1.5	-2.1	-1.7	-2.3	55	50	NO	NO	NO
12	12_0218		Residential	G	W	53	49	51	47	54	49	52	47	-1.5	-2	-1.6	-2.2	55	50	NO	NO	NO
12	12_0219		Residential	G	W	54	50	53	48	55	51	53	48	-1.5	-2	-1.6	-2.1	55	50	NO	NO	NO
12	12_0220		Residential	G	W	53	49	52	47	54	50	52	48	-1.4	-1.9	-1.5	-2	55	50	NO	NO	NO
12	12_0221		Residential	G	W	55	50	53	49	55	51	54	49	-1.4	-1.8	-1.4	-2	55	50	NO	NO	NO
12	12_0222		Residential	G	W	53	49	52	48	54	50	53	48	-1.3	-1.8	-1.4	-1.9	55	50	NO	NO	NO
12	12_0223		Residential	G	W	54	50	53	48	55	51	53	49	-1.4	-2	-1.5	-2	55	50	NO	NO	NO
12	12_0224		Residential	G	W	54	50	53	48	55	51	53	49	-1.3	-1.9	-1.5	-2	55	50	NO	NO	NO
12	12_0224		Residential	1	W	56	52	55	50	57	53	56	51	-1.2	-1.8	-1.4	-1.9	55	50	NO	NO	NO
12	12_0225		Residential	G	W	54	50	53	48	55	51	53	49	-1.6	-2.1	-1.8	-2.3	55	50	NO	NO	NO
12	12_0226		Residential	G	S	54	50	52	48	54	50	53	48	-1.3	-2	-1.3	-2	55	50	NO	NO	NO
12	12_0227		Residential	G	S	54	50	52	47	54	50	53	48	-1.7	-2.2	-1.7	-2.3	55	50	NO	NO	NO
12	12_0228		Residential	G	S	53	49	51	47	53	49	52	47	-1.5	-2.1	-1.5	-2.1	55	50	NO	NO	NO
12	12_0228		Residential	1	W	56	52	55	50	57	53	56	51	-1.2	-1.7	-1.3	-1.8	55	50	NO	NO	NO
12	12_0229		Residential	G	W	57	53	55	50	57	53	56	51	-1.7	-2.2	-1.7	-2.3	55	50	NO	NO	NO
12	12_0230		Residential	G	W	56	52	54	50	57	52	55	50	-1.5	-2	-1.5	-2.1	55	50	NO	NO	NO
12	12_0231		Residential	G	S	55	51	54	49	56	52	54	50	-1.4	-2.2	-1.5	-2.1	55	50	NO	NO	NO
12	12_0232		Residential	G	S	55	51	54	49	56	52	54	50	-1.4	-2	-1.4	-2	55	50	NO	NO	NO
12	12_0233		Residential	G	S	55	51	53	49	55	51	54	49	-1.4	-2	-1.5	-2.1	55	50	NO	NO	NO
12	12_0234		Residential	G	S	55	51	53	49	55	51	54	49	-1.3	-2	-1.4	-2	55	50	NO	NO	NO
12	12_0235		Residential	G	W	55	51	54	49	56	52	54	50	-1.1	-1.7	-1.2	-1.8	55	50	NO	NO	NO
12	12_0236		Residential	G	S	54	50	53	48	55	50	53	49	-1.1	-1.8	-1.1	-1.8	55	50	NO	NO	NO
12	12_0237		Residential	G	S	54	50	53	48	54	50	53	49	-1.1	-1.7	-1	-1.8	55	50	NO	NO	NO
12	12_0238		Residential	G	S	54	49	53	48	54	50	53	48	-0.9	-1.5	-0.9	-1.6	55	50	NO	NO	NO
12	12_0239		Residential	G	S	53	49	53	48	54	50	53	48	-0.8	-1.5	-0.8	-1.5	55	50	NO	NO	NO
12	12_0240		Residential	G	W	54	50	53	49	55	51	54	49	-0.7	-1.3	-0.9	-1.5	55	50	NO	NO	NO
12	12_0241		Residential	G	W	59	55	57	52	60	55	57	53	-2.2	-2.8	-2.3	-2.9	55	50	NO	NO	NO
12	12_0242		Residential	G	W	60	56	58	53	60	56	58	53	-2.1	-2.6	-2.1	-2.7	55	50	NO	NO	NO
12	12_0243		Residential	G	W	64	60	59	54	65	60	59	55	-5.6	-5.7	-5.7	-5.8	55	50	NO	NO	NO
12	12_0243		Residential	1	W	68	64	63	58	68	64	63	59	-5.2	-5.4	-5.3	-5.5	55	50	NO	NO	NO
12	12_0244		Residential	G	W	64	60	59	55	65	61	59	55	-5.6	-5.7	-5.7	-5.8	55	50	NO	NO	NO
12	12_0244		Residential	1	W	68	64	63	59	69	65	63	59	-5.2	-5.4	-5.4	-5.5	55	50	NO	NO	NO
12	12_0245		Residential	G	S	65	60	59	55	65	61	60	55	-5.3	-5.5	-5.4	-5.6	55	50	NO	NO	NO
12	12_0245		Residential	1	W	69	65	64	59	69	65	64	60	-5.2	-5.4	-5.3	-5.6	55	50	NO	NO	NO
12	12_0246		Residential	G	W	70	66	67	63	71	66	67	63	-3.1	-3.3	-3.3	-3.5	60	55	YES	YES	YES
13	13_0001		Residential	G	SE	53	49	57	52	54	50	57	52	3.3	2.4	3.3	2.5	55	50	NO	NO	YES
13	13_0002		Residential	G	E	54	50	57	52	55	51	58	53	3.1	2.2	3.1	2.2	55	50	NO	NO	YES
13	13_0003		Residential	G	E	58	53	61	56	58	54	61	56	3.2	2.3	3.2	2.3	55	50	NO	NO	YES
13	13_0003		Residential	1	E	59	55	62	57	60	56	63	58	3	2.1	3.1	2.1	55	50	NO	NO	YES
13	13_0004		Residential	G	E	59	55	62	57	59	55	63	58	3.2	2.4	3.3	2.4	55	50	NO	NO	YES
13	13_0004		Residential	1	E	59	55	63	58	60	56	63	58	3.2	2.3	3.3	2.4	55	50	NO	NO	YES
13	13_0005		Residential	G	E	62	58	66	61	63	59	67	62	3.9	3.1	4	3.2	55	50	YES	YES	YES
13	13_0006		Residential	G	SE	63	59	68	63	63	59	69	64	5.5	4.5	5.6	4.6	55	50	YES	YES	YES
13	13_0007		Residential	G	E	61	57	67	62	62	58	68	63	5.7	4.8	5.8	4.9	55	50	YES	YES	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
13	13_0008		Residential	G	E	59	54	63	58	59	55	63	58	4.2	3.3	4.3	3.4	55	50	NO	NO	YES
13	13_0009		Residential	G	E	54	50	59	54	55	51	60	55	4.6	3.7	4.6	3.7	55	50	NO	NO	YES
13	13_0010		Residential	G	SE	59	55	61	56	59	55	62	57	2.4	1.6	2.5	1.7	55	50	NO	NO	YES
13	13_0011		Residential	G	E	57	53	59	54	57	53	60	55	2.6	1.6	2.6	1.6	55	50	NO	NO	YES
13	13_0012		Residential	G	E	56	51	58	53	56	52	58	53	2.1	1.3	2.1	1.3	55	50	NO	NO	YES
13	13_0013		Residential	G	SE	57	53	59	54	58	54	60	55	2.1	1.3	2	1.3	55	50	NO	NO	YES
13	13_0014		Residential	G	SE	58	54	60	55	58	54	61	56	2.4	1.6	2.3	1.4	55	50	NO	NO	YES
13	13_0015		Residential	G	SE	58	54	62	57	58	54	62	57	4	3.2	4.1	3.3	55	50	NO	NO	YES
13	13_0016		Residential	G	E	59	55	62	58	59	55	63	58	3.7	2.9	3.6	2.8	55	50	NO	NO	YES
13	13_0016		Residential	1	E	59	55	64	59	60	56	64	59	4.2	3.4	4	3.2	55	50	NO	NO	YES
13	13_0017		Residential	G	E	59	55	67	62	59	55	67	62	8	7.1	8.1	7.1	55	50	YES	YES	YES
13	13_0018		Residential	G	E	58	54	59	55	59	55	60	55	1.4	0.7	1.1	0.4	55	50	NO	NO	YES
13	13_0019		Residential	G	E	58	54	58	54	59	55	59	54	0.3	-0.2	-0.1	-0.7	55	50	NO	NO	NO
13	13_0020		Residential	G	E	58	54	59	55	59	55	60	55	1.4	0.7	1.1	0.4	55	50	NO	NO	YES
13	13_0021		Residential	G	E	57	53	58	53	58	54	58	54	0.4	-0.1	0	-0.6	55	50	NO	NO	NO
13	13_0022		Residential	G	E	58	54	58	53	59	55	59	54	0.1	-0.5	-0.4	-1	55	50	NO	NO	NO
13	13_0023		Residential	G	E	58	54	58	53	59	55	58	54	0	-0.6	-0.6	-1.2	55	50	NO	NO	NO
13	13_0024		Residential	G	E	58	53	58	53	59	55	58	54	-0.1	-0.7	-0.9	-1.4	55	50	NO	NO	NO
13	13_0025		Residential	G	N	57	53	55	50	60	56	56	52	-1.9	-2.3	-3.7	-4	57	52	NO	NO	NO
13	13_0026		Residential	G	E	58	54	58	53	60	56	59	54	-0.2	-0.7	-1.2	-1.6	56	51	NO	NO	NO
13	13_0027		Residential	G	N	62	58	58	54	67	63	61	57	-4.5	-4.6	-6	-6.1	58	53	NO	NO	NO
13	13_0028		Residential	G	E	58	54	59	54	59	55	59	55	1	0.4	0.6	0	55	50	NO	NO	YES
13	13_0029		Residential	G	E	57	53	57	53	59	54	58	53	0.2	-0.4	-0.4	-1.1	56	51	NO	NO	NO
13	13_0030		Residential	G	SE	56	52	58	53	57	53	58	53	1.2	0.4	1	0.2	55	50	NO	NO	NO
13	13_0031		Residential	G	NW	61	57	56	52	65	62	59	55	-4.9	-5.1	-6.2	-6.3	58	53	NO	NO	NO
13	13_0032		Residential	G	E	59	55	62	57	60	55	63	58	3.6	2.8	3.3	2.5	55	50	NO	NO	YES
14	14_0001		Residential	G	E	58	54	58	54	60	55	59	54	0.2	0.1	-0.5	-0.6	60	55	NO	NO	NO
14	14_0002		Residential	G	SE	65	61	65	61	66	62	66	62	0.7	0.4	0.3	0.1	60	55	YES	YES	YES
15	15_0001		Residential	G	E	62	57	63	58	63	58	63	59	1	1.2	0.7	0.6	60	55	NO	NO	NO
15	15_0002		Residential	G	SE	67	63	67	63	68	64	68	64	-0.1	-0.1	0.1	-0.1	60	55	YES	YES	YES
15	15_0002		Residential	1	SE	68	64	68	64	69	65	69	64	-0.1	0	0	-0.1	60	55	YES	YES	YES
15	15_0003		Residential	G	SW	64	60	64	59	65	60	65	60	-0.3	-0.8	-0.2	-0.3	60	55	YES	YES	YES
15	15_0004		Residential	G	SW	66	61	65	60	67	61	66	61	-0.3	-1.2	-0.2	-0.3	60	55	YES	YES	YES
15	15_0004		Residential	1	SW	68	64	68	62	69	64	69	63	-0.6	-1.5	-0.5	-0.5	60	55	YES	YES	YES
15	15_0005		Residential	G	SE	70	66	70	66	70	66	70	67	0.1	0.3	0.3	0.3	60	55	YES	YES	YES
15	15_0005		Residential	1	SE	70	66	70	67	71	67	71	67	0.1	0.4	0.4	0.3	60	55	YES	YES	YES
15	15_0006		Residential	G	NE	65	61	65	62	65	62	66	62	0.3	0.6	0.6	0.5	60	55	YES	YES	YES
15	15_0006		Residential	1	NE	66	62	66	63	66	63	67	63	0.2	0.5	0.5	0.4	60	55	YES	YES	YES
15	15_0007		Residential	G	SE	66	62	66	62	67	63	67	63	-0.1	0	-0.1	-0.1	60	55	YES	YES	YES
15	15_0008		Residential	G	E	66	62	66	63	67	63	67	63	0.1	0.3	0.2	0.2	60	55	YES	YES	YES
15	15_0009		Residential	G	SE	66	62	67	63	67	63	67	63	0.2	0.4	0.4	0.2	60	55	YES	YES	YES
15	15_0009		Residential	1	SE	68	64	68	65	69	65	69	65	0.1	0.4	0.2	0.2	60	55	YES	YES	YES
15	15_0010		Residential	G	SE	68	64	68	64	68	64	68	65	0.2	0.4	0.4	0.3	60	55	YES	YES	YES
15	15_0010		Residential	1	SE	69	65	69	65	69	65	69	66	0.1	0.4	0.3	0.3	60	55	YES	YES	YES
15	15_0011		Residential	G	SE	69	65	69	65	69	65	69	66	0.2	0.5	0.4	0.3	60	55	YES	YES	YES
15	15_0011		Residential	1	SE	69	65	69	66	69	66	70	66	0.3	0.7	0.6	0.5	60	55	YES	YES	YES
15	15_0012		Residential	G	SE	69	65	69	66	69	66	70	66	0.3	0.7	0.6	0.6	60	55	YES	YES	YES
15	15_0013		Residential	G	E	69	65	70	66	69	66	70	66	0.5	0.8	0.7	0.7	60	55	YES	YES	YES
15	15_0014		Residential	G	E	69	65	70	66	69	65	70	66	0.7	1	0.9	1	60	55	YES	YES	YES
15	15_0015		Residential	G	E	66	62	67	63	66	62	67	63	0.8	1	1	0.8	60	55	YES	YES	YES
15	15_0015		Residential	1	E	68	64	69	65	68	65	69	66	0.8	1	0.9	0.9	60	55	YES	YES	YES
15	15_0016		Residential	G	E	65	61	66	62	65	62	66	62	0.6	0.7	0.6	0.5	60	55	YES	YES	YES
15	15_0016		Residential	1	E	67	63	68	64	67	64	68	64	0.7	0.9	0.8	0.7	60	55	YES	YES	YES
15	15_0017		Residential	G	S	64	60	64	61	64	60	65	61	0.6	0.8	0.8	0.6	60	55	YES	YES	YES
15	15_0017		Residential	1	E	67	63	67	63	67	63	68	64	0.7	0.9	0.7	0.7	60	55	YES	YES	YES
15	15_0018		Residential	G	SW	66	61	65	60	67	61	67	61	-0.4	-1.4	-0.2	-0.3	60	55	YES	YES	YES
15	15_0018		Residential	1	SW	68	63	67	62	69	63	68	63	-0.7	-1.8	-0.5	-0.5	60	55	YES	YES	YES
15	15_0019		Residential	G	SW	68	63	67	61	69	63	68	62	-0.8	-2.1	-0.7	-0.6	60	55	YES	YES	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0020		Residential	G	SW	67	62	66	60	68	62	67	61	-0.8	-2.1	-0.6	-0.6	60	55	YES	YES	YES
15	15_0021		Residential	G	S	60	55	59	55	60	56	60	56	-0.2	-0.1	-0.1	-0.1	60	55	NO	NO	NO
15	15_0022		Residential	G	SW	58	53	57	51	59	53	58	53	-0.6	-1.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0022		Residential	1	SW	60	56	59	54	61	55	60	55	-0.5	-1.4	-0.4	-0.4	60	55	NO	NO	NO
15	15_0023		Residential	G	W	56	52	56	50	57	52	57	51	-0.7	-2	-0.5	-0.6	60	55	NO	NO	NO
15	15_0023		Residential	1	W	59	55	58	53	60	55	59	54	-0.8	-1.8	-0.6	-0.7	60	55	NO	NO	NO
15	15_0024		Residential	G	W	55	51	55	50	56	51	56	51	-0.3	-1.4	-0.1	-0.1	60	55	NO	NO	NO
15	15_0024		Residential	1	W	59	54	58	53	60	54	59	54	-0.5	-1.6	-0.4	-0.4	60	55	NO	NO	NO
15	15_0025		Residential	G	SW	62	57	61	57	62	58	62	58	-0.3	-0.2	-0.3	-0.4	60	55	NO	NO	NO
15	15_0025		Residential	1	SE	64	60	64	60	65	61	64	60	-0.2	-0.1	-0.2	-0.3	60	55	NO	YES	YES
15	15_0026		Residential	G	SE	59	54	59	54	59	55	59	55	0	0.1	0	-0.1	60	55	NO	NO	NO
15	15_0026		Residential	1	SE	63	58	62	58	63	59	63	59	-0.3	-0.1	-0.2	-0.3	60	55	NO	NO	NO
15	15_0027		Residential	G	SE	60	56	60	56	61	57	61	57	-0.2	0.1	-0.2	-0.1	60	55	NO	NO	NO
15	15_0027		Residential	1	SE	63	59	63	59	63	59	63	59	-0.2	0	-0.2	-0.2	60	55	NO	NO	NO
15	15_0028		Residential	G	SE	60	56	60	56	60	56	61	57	0.3	0.4	0.4	0.2	60	55	NO	NO	NO
15	15_0028		Residential	1	SE	63	59	63	59	63	59	63	59	-0.1	0	-0.1	-0.2	60	55	NO	NO	NO
15	15_0029		Residential	G	S	60	56	60	56	61	57	60	56	-0.1	0	-0.1	-0.2	60	55	NO	NO	NO
15	15_0029		Residential	1	E	64	59	64	60	64	60	64	60	0	0.1	0	-0.1	60	55	NO	YES	YES
15	15_0030		Residential	G	E	59	55	59	55	59	55	60	55	0.3	0.3	0.3	0.1	60	55	NO	NO	NO
15	15_0031		Residential	G	S	58	53	58	54	58	54	58	54	0.1	0.2	0.2	0	60	55	NO	NO	NO
15	15_0032		Residential	G	SW	54	50	54	49	54	50	54	50	0	-0.1	0	-0.1	60	55	NO	NO	NO
15	15_0032		Residential	1	SW	59	55	59	55	60	56	60	55	-0.3	-0.2	-0.3	-0.4	60	55	NO	NO	NO
15	15_0033		Residential	G	SW	50	46	50	46	51	46	51	46	0	0	0.1	0	60	55	NO	NO	NO
15	15_0033		Residential	1	SW	54	50	54	50	55	50	55	50	0.1	0	0.1	0	60	55	NO	NO	NO
15	15_0034		Residential	G	NW	50	45	50	44	51	45	50	45	-0.2	-1	-0.1	0	60	55	NO	NO	NO
15	15_0034		Residential	1	SW	53	48	53	49	53	49	54	49	0.3	0.3	0.3	0.2	60	55	NO	NO	NO
15	15_0035		Residential	G	SW	53	49	53	48	54	49	54	49	-0.3	-0.7	-0.1	-0.2	60	55	NO	NO	NO
15	15_0035		Residential	1	SW	58	53	57	53	58	54	58	54	-0.2	-0.4	-0.3	-0.2	60	55	NO	NO	NO
15	15_0036		Residential	G	SW	53	49	53	49	54	49	54	49	0.1	0	0.1	0	60	55	NO	NO	NO
15	15_0036		Residential	1	SW	56	52	57	52	57	53	57	53	0.2	0	0.2	0.1	60	55	NO	NO	NO
15	15_0037		Residential	G	SE	55	51	55	51	56	51	55	51	-0.3	-0.2	-0.2	-0.2	60	55	NO	NO	NO
15	15_0037		Residential	1	SW	59	55	59	54	60	55	60	55	-0.4	-0.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0038		Residential	G	E	52	48	52	48	53	49	53	49	0.1	0.1	0	0	60	55	NO	NO	NO
15	15_0038		Residential	1	SW	57	53	57	53	58	54	58	53	-0.3	-0.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0039		Residential	G	SE	51	47	51	47	52	47	52	47	0.1	0	0.2	0.1	60	55	NO	NO	NO
15	15_0039		Residential	1	SW	54	49	53	49	54	50	54	50	-0.2	-0.2	-0.2	-0.2	60	55	NO	NO	NO
15	15_0040		Residential	G	SW	53	49	53	49	54	49	54	49	-0.3	-0.5	-0.2	-0.3	60	55	NO	NO	NO
15	15_0040		Residential	1	SW	57	53	57	52	58	54	58	53	-0.4	-0.6	-0.5	-0.5	60	55	NO	NO	NO
15	15_0041		Residential	G	SW	53	49	53	49	53	49	54	49	0.3	0	0.3	0.1	60	55	NO	NO	NO
15	15_0041		Residential	1	SW	55	51	55	51	56	52	56	52	-0.1	-0.3	-0.1	-0.2	60	55	NO	NO	NO
15	15_0042		Residential	G	S	55	51	55	50	56	51	56	51	-0.3	-0.9	-0.3	-0.4	60	55	NO	NO	NO
15	15_0042		Residential	1	S	58	54	57	53	59	54	58	53	-0.7	-1	-0.6	-0.6	60	55	NO	NO	NO
15	15_0043		Residential	G	S	56	52	56	51	57	52	57	52	-0.4	-1	-0.4	-0.5	60	55	NO	NO	NO
15	15_0043		Residential	1	S	59	55	58	53	60	55	59	54	-0.7	-1.2	-0.7	-0.7	60	55	NO	NO	NO
15	15_0044		Residential	G	S	58	54	57	52	59	54	58	53	-0.9	-1.3	-0.8	-0.9	60	55	NO	NO	NO
15	15_0044		Residential	1	S	60	55	59	54	61	56	60	55	-0.8	-1.3	-0.7	-0.7	60	55	NO	NO	NO
15	15_0045		Residential	G	SW	58	54	57	53	59	54	58	53	-0.9	-1.2	-0.9	-0.9	60	55	NO	NO	NO
15	15_0045		Residential	1	SW	59	55	59	54	60	55	59	54	-0.7	-1.1	-0.8	-0.8	60	55	NO	NO	NO
15	15_0046		Residential	G	SW	58	53	57	52	58	54	58	53	-0.9	-1.1	-0.9	-0.9	60	55	NO	NO	NO
15	15_0046		Residential	1	SW	59	55	58	54	60	55	59	54	-0.8	-1.1	-0.8	-0.8	60	55	NO	NO	NO
15	15_0047		Residential	G	SW	59	55	58	54	60	55	59	55	-0.5	-0.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0047		Residential	1	SW	60	56	60	56	61	57	61	56	-0.4	-0.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0048		Residential	G	SW	57	53	57	53	58	54	57	53	-0.4	-0.2	-0.5	-0.4	60	55	NO	NO	NO
15	15_0048		Residential	1	SW	61	56	60	56	61	57	61	57	-0.3	-0.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0049		Residential	G	SW	53	49	53	49	54	49	54	49	-0.1	-0.2	0	-0.1	60	55	NO	NO	NO
15	15_0049		Residential	1	SW	56	52	56	52	57	53	57	52	-0.1	-0.1	-0.1	-0.2	60	55	NO	NO	NO
15	15_0050		Residential	G	SE	52	47	52	48	52	48	52	48	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
15	15_0050		Residential	1	SW	59	55	59	54	59	55	59	55	-0.3	-0.2	-0.2	-0.3	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0051		Residential	G	SE	55	51	55	51	56	52	56	52	0.2	0.3	0.1	0	60	55	NO	NO	NO
15	15_0051		Residential	1	SW	60	56	60	55	60	56	60	56	-0.4	-0.3	-0.3	-0.4	60	55	NO	NO	NO
15	15_0052		Residential	G	SE	56	51	56	52	56	52	56	52	0.3	0.4	0.2	0.1	60	55	NO	NO	NO
15	15_0052		Residential	1	SE	59	55	59	55	60	56	60	56	-0.1	0.1	-0.1	-0.2	60	55	NO	NO	NO
15	15_0053		Residential	G	SW	58	54	58	54	59	54	59	54	0	0	-0.1	-0.2	60	55	NO	NO	NO
15	15_0053		Residential	1	SW	62	57	62	57	62	58	62	58	0	0.1	-0.1	-0.2	60	55	NO	NO	NO
15	15_0054		Residential	G	SE	60	56	60	56	61	57	61	57	-0.1	0	-0.1	-0.2	60	55	NO	NO	NO
15	15_0054		Residential	1	SW	63	59	63	59	64	60	64	60	0.1	0.2	0	-0.1	60	55	NO	YES	YES
15	15_0055		Residential	G	S	65	60	65	61	65	61	65	61	0.2	0.3	0.2	0.1	60	55	YES	YES	YES
15	15_0055		Residential	1	E	68	64	69	65	69	65	70	65	0.8	1	0.7	0.5	60	55	YES	YES	YES
15	15_0056		Residential	G	SE	67	62	67	63	67	63	68	63	0.6	0.7	0.5	0.3	60	55	YES	YES	YES
15	15_0057		Residential	G	NE	65	60	66	61	65	61	66	62	1	1.2	0.9	0.8	60	55	YES	YES	YES
15	15_0058		Residential	G	NE	62	58	63	59	63	59	64	60	1.1	1.2	0.9	0.8	60	55	NO	YES	YES
15	15_0059		Residential	G	NE	61	57	62	58	62	58	63	58	0.9	1	0.7	0.6	60	55	NO	NO	NO
15	15_0060		Residential	G	NE	61	56	62	57	61	57	62	58	0.8	1	0.7	0.5	60	55	NO	NO	NO
15	15_0061		Residential	G	SE	60	55	61	56	60	56	61	57	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0062		Residential	G	NE	57	53	58	54	58	54	58	54	0.8	1	0.6	0.6	60	55	NO	NO	NO
15	15_0063		Residential	G	SE	62	57	63	58	62	58	63	59	0.9	1.2	0.8	0.7	60	55	NO	NO	NO
15	15_0064		Residential	G	SE	62	58	63	59	63	59	64	60	1	1.2	0.9	0.8	60	55	NO	YES	YES
15	15_0065		Residential	G	SE	65	61	66	62	66	62	67	63	1.3	1.5	1.2	1.1	60	55	YES	YES	YES
15	15_0066		Residential	G	SE	65	61	67	63	66	62	67	63	1.3	1.6	1.1	1.1	60	55	YES	YES	YES
15	15_0067		Residential	G	E	67	63	69	64	68	64	69	65	1.4	1.5	1.2	1.1	60	55	YES	YES	YES
15	15_0068		Residential	G	E	67	63	69	64	68	64	69	65	1.4	1.6	1.3	1.2	60	55	YES	YES	YES
15	15_0069		Residential	G	E	67	62	69	64	68	63	69	65	1.7	1.9	1.5	1.4	60	55	YES	YES	YES
15	15_0070		Residential	G	E	67	63	69	65	68	64	70	65	1.7	1.9	1.6	1.4	60	55	YES	YES	YES
15	15_0071		Residential	G	NE	65	60	67	62	66	61	67	63	1.6	1.7	1.3	1.2	60	55	YES	YES	YES
15	15_0072		Residential	G	NE	64	60	66	61	65	61	66	62	1.4	1.6	1.1	1.1	60	55	YES	YES	YES
15	15_0073		Residential	G	NE	61	57	62	58	62	58	63	58	1	1.1	0.8	0.6	60	55	NO	NO	NO
15	15_0074		Residential	G	E	63	59	65	60	64	60	65	61	1.5	1.6	1.1	1.1	60	55	YES	YES	YES
15	15_0075		Residential	G	E	68	63	70	66	69	64	71	66	2.4	2.5	2	2	60	55	YES	YES	YES
15	15_0076		Residential	G	E	66	61	67	63	67	62	68	63	1.8	1.9	1.3	1.3	60	55	YES	YES	YES
15	15_0076		Residential	1	E	68	64	70	66	69	65	70	66	1.7	1.9	1.3	1.4	60	55	YES	YES	YES
15	15_0077		Residential	G	E	66	62	68	64	67	63	68	64	1.8	2	1.4	1.4	60	55	YES	YES	YES
15	15_0078		Residential	G	E	67	62	68	64	67	63	69	64	1.6	1.8	1.2	1.1	60	55	YES	YES	YES
15	15_0078		Residential	1	E	69	65	71	66	70	66	71	67	1.6	1.9	1.4	1.3	60	55	YES	YES	YES
15	15_0079		Residential	G	E	66	62	68	63	67	63	68	64	1.5	1.6	1.1	1.1	60	55	YES	YES	YES
15	15_0080		Residential	G	E	64	59	65	61	64	60	65	61	1.4	1.6	1.1	1.1	60	55	YES	YES	YES
15	15_0080		Residential	1	E	66	62	68	63	67	63	68	64	1.4	1.6	1	0.9	60	55	YES	YES	YES
15	15_0081		Residential	G	E	65	60	66	62	65	61	67	62	1.6	1.8	1.3	1.2	60	55	YES	YES	YES
15	15_0082		Residential	G	E	64	60	66	61	65	61	66	62	1.6	1.7	1.3	1.2	60	55	YES	YES	YES
15	15_0083		Residential	G	E	64	59	65	61	64	60	65	61	1.5	1.6	1.2	1.1	60	55	YES	YES	YES
15	15_0084		Residential	G	E	64	59	65	61	64	60	66	61	1.3	1.5	1.1	1	60	55	YES	YES	YES
15	15_0085		Residential	G	E	63	59	64	60	64	60	65	60	1.3	1.5	1	0.9	60	55	NO	YES	YES
15	15_0086		Residential	G	E	64	59	65	61	64	60	65	61	1.2	1.4	1	0.9	60	55	YES	YES	YES
15	15_0087		Residential	G	E	66	62	67	63	66	62	67	63	1	1.1	0.9	0.8	60	55	YES	YES	YES
15	15_0088		Residential	G	E	65	61	66	62	66	62	66	62	0.8	0.9	0.6	0.5	60	55	NO	YES	YES
15	15_0088		Residential	1	E	69	65	70	66	70	66	70	66	1	1.1	0.7	0.6	60	55	YES	YES	YES
15	15_0089		Residential	G	NE	67	63	68	64	68	64	69	64	0.8	1.1	0.6	0.6	60	55	YES	YES	YES
15	15_0090		Residential	G	E	68	63	68	64	68	64	69	65	0.8	1.1	0.6	0.6	60	55	YES	YES	YES
15	15_0091		Residential	G	E	63	59	65	60	64	60	65	61	1.2	1.3	0.9	0.8	60	55	NO	NO	YES
15	15_0092		Residential	G	NE	62	58	63	59	63	59	64	60	1.3	1.5	1	1	60	55	NO	NO	YES
15	15_0093		Residential	G	NE	61	57	63	58	62	58	63	59	1.2	1.4	0.9	0.9	60	55	NO	NO	NO
15	15_0094		Residential	G	NE	61	57	62	58	62	58	63	58	1.2	1.4	0.9	0.8	60	55	NO	NO	NO
15	15_0095		Residential	G	E	60	56	61	57	61	57	62	57	1.1	1.3	0.9	0.8	60	55	NO	NO	NO
15	15_0096		Residential	G	E	59	55	60	56	60	56	61	56	1	1.2	0.8	0.7	60	55	NO	NO	NO
15	15_0097		Residential	G	E	60	56	61	57	61	57	62	58	1.1	1.3	0.9	0.8	60	55	NO	NO	NO
15	15_0098		Residential	G	N	60	55	61	56	60	56	61	57	1	1.3	0.8	0.7	60	55	NO	NO	NO
15	15_0099		Residential	G	E	59	55	60	56	60	56	61	57	1	1.2	0.7	0.7	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0100		Residential	G	E	59	55	60	56	60	56	61	56	1	1.2	0.7	0.7	60	55	NO	NO	NO
15	15_0101		Residential	G	N	60	55	61	56	60	56	61	57	0.9	1.2	0.7	0.6	60	55	NO	NO	NO
15	15_0102		Residential	G	E	59	55	60	56	60	56	61	57	1	1.1	0.7	0.7	60	55	NO	NO	NO
15	15_0103		Residential	G	NE	59	55	60	55	60	55	60	56	0.7	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0104		Residential	G	E	57	52	58	53	57	53	58	54	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0104		Residential	1	NE	60	55	61	56	60	56	61	57	0.8	1	0.6	0.6	60	55	NO	NO	NO
15	15_0105		Residential	G	NE	59	54	60	55	59	55	60	56	0.8	1	0.7	0.6	60	55	NO	NO	NO
15	15_0106		Residential	G	E	59	55	60	56	60	56	61	56	1	1.1	0.8	0.7	60	55	NO	NO	NO
15	15_0107		Residential	G	NE	60	55	61	56	60	56	61	57	1.1	1.2	0.9	0.8	60	55	NO	NO	NO
15	15_0108		Residential	G	NE	61	56	62	58	62	57	62	58	1	1.2	0.8	0.7	60	55	NO	NO	NO
15	15_0109		Residential	G	E	60	55	61	56	60	56	61	57	1	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0109		Residential	1	E	62	58	63	59	63	59	64	59	1	1.2	0.7	0.7	60	55	NO	NO	NO
15	15_0110		Residential	G	NE	60	55	60	56	60	56	61	57	0.8	1	0.7	0.6	60	55	NO	NO	NO
15	15_0110		Residential	1	NE	62	58	63	59	63	59	64	60	1	1.2	0.8	0.7	60	55	NO	NO	YES
15	15_0111		Residential	G	SE	58	54	59	55	59	55	59	55	0.9	1	0.6	0.6	60	55	NO	NO	NO
15	15_0111		Residential	1	SE	60	56	61	57	61	57	62	58	0.9	1.1	0.8	0.6	60	55	NO	NO	NO
15	15_0112		Residential	G	SE	58	54	59	55	59	55	60	55	1	1.1	0.8	0.7	60	55	NO	NO	NO
15	15_0112		Residential	1	SE	61	56	61	57	61	57	62	58	0.8	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0113		Residential	G	SE	57	53	58	54	58	54	59	54	0.8	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0113		Residential	1	SE	60	55	60	56	61	56	61	57	0.6	0.8	0.4	0.4	60	55	NO	NO	NO
15	15_0114		Residential	G	NE	56	52	57	52	57	52	57	53	0.7	0.8	0.6	0.4	60	55	NO	NO	NO
15	15_0114		Residential	1	SE	58	54	59	55	59	55	59	55	0.6	0.7	0.4	0.3	60	55	NO	NO	NO
15	15_0115		Residential	G	E	55	51	56	52	56	52	56	52	0.7	0.8	0.5	0.5	60	55	NO	NO	NO
15	15_0115		Residential	1	E	57	53	58	54	58	54	58	54	0.7	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0116		Residential	G	E	56	51	56	52	56	52	57	53	0.7	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0117		Residential	G	NE	55	50	56	51	55	51	56	52	0.7	0.8	0.6	0.5	60	55	NO	NO	NO
15	15_0118		Residential	G	E	54	50	55	51	55	51	56	51	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0119		Residential	G	E	54	49	55	50	55	50	55	51	0.7	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0120		Residential	G	NE	54	49	55	50	55	50	55	51	0.9	1	0.6	0.6	60	55	NO	NO	NO
15	15_0121		Residential	G	NE	54	50	55	50	55	50	55	51	0.9	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0122		Residential	G	NE	55	50	56	51	55	51	56	52	0.9	1.1	0.6	0.6	60	55	NO	NO	NO
15	15_0123		Residential	G	NE	55	50	56	51	55	51	56	52	0.9	1	0.7	0.6	60	55	NO	NO	NO
15	15_0124		Residential	G	E	55	50	56	52	56	51	56	52	1	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0125		Residential	G	NE	55	51	56	52	56	52	57	52	1	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0126		Residential	G	E	55	51	56	52	56	52	57	52	1.1	1.2	0.8	0.7	60	55	NO	NO	NO
15	15_0127		Residential	G	E	55	50	56	51	56	51	56	52	1	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0127		Residential	1	E	56	52	57	53	57	53	58	53	1	1.2	0.8	0.7	60	55	NO	NO	NO
15	15_0128		Residential	G	NE	55	51	56	52	56	52	57	52	1	1.2	0.7	0.7	60	55	NO	NO	NO
15	15_0129		Residential	G	E	55	51	56	52	56	52	57	52	0.9	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0129		Residential	1	E	57	52	58	53	58	53	58	54	0.9	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0130		Residential	G	E	56	52	57	53	57	53	58	53	0.9	1	0.6	0.6	60	55	NO	NO	NO
15	15_0131		Residential	G	E	56	52	57	53	57	53	58	53	0.8	0.9	0.6	0.6	60	55	NO	NO	NO
15	15_0131		Residential	1	E	59	54	59	55	59	55	60	56	0.8	0.9	0.6	0.6	60	55	NO	NO	NO
15	15_0132		Residential	G	NE	57	53	58	53	58	53	58	54	0.7	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0132		Residential	1	NE	60	55	60	56	60	56	61	57	0.9	1	0.6	0.5	60	55	NO	NO	NO
15	15_0133		Residential	G	NE	57	53	58	54	58	54	59	54	0.8	1	0.6	0.5	60	55	NO	NO	NO
15	15_0134		Residential	G	E	55	51	56	52	56	52	57	52	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0134		Residential	1	E	57	53	58	54	58	54	59	54	0.9	1.1	0.6	0.6	60	55	NO	NO	NO
15	15_0135		Residential	G	E	56	51	57	52	57	52	57	53	0.8	1	0.6	0.6	60	55	NO	NO	NO
15	15_0136		Residential	G	E	56	51	57	52	56	52	57	53	0.9	1	0.7	0.6	60	55	NO	NO	NO
15	15_0137		Residential	G	N	56	51	57	52	56	52	57	53	0.9	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0138		Residential	G	E	56	51	57	52	56	52	57	53	1	1.2	0.7	0.6	60	55	NO	NO	NO
15	15_0139		Residential	G	E	56	51	57	53	57	52	57	53	1	1.2	0.7	0.7	60	55	NO	NO	NO
15	15_0140		Residential	G	E	56	52	57	53	57	53	58	53	1	1.2	0.8	0.6	60	55	NO	NO	NO
15	15_0141		Residential	G	E	56	52	57	53	57	53	58	54	1.1	1.3	0.8	0.7	60	55	NO	NO	NO
15	15_0142		Residential	G	NE	57	52	58	54	58	53	58	54	1.2	1.3	0.8	0.7	60	55	NO	NO	NO
15	15_0143		Residential	G	NE	57	52	58	54	58	53	58	54	1.2	1.3	0.9	0.8	60	55	NO	NO	NO
15	15_0144		Residential	G	NE	57	53	58	54	58	54	59	54	1.1	1.2	0.7	0.7	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0145		Residential	G	E	57	52	57	53	57	53	58	54	0.9	1.1	0.6	0.6	60	55	NO	NO	NO
15	15_0146		Residential	G	E	57	53	58	54	58	54	59	54	0.7	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0146		Residential	1	E	60	56	61	57	61	56	62	57	0.9	1	0.7	0.6	60	55	NO	NO	NO
15	15_0147		Residential	G	S	57	52	58	54	58	53	59	54	1.1	1.3	0.7	0.7	60	55	NO	NO	NO
15	15_0148		Residential	G	E	59	54	60	55	60	55	60	56	0.8	1	0.6	0.6	60	55	NO	NO	NO
15	15_0148		Residential	1	E	61	56	62	58	62	57	62	58	0.9	1.1	0.6	0.6	60	55	NO	NO	NO
15	15_0149		Residential	G	NE	59	54	60	55	59	55	60	56	0.9	1	0.7	0.7	60	55	NO	NO	NO
15	15_0150		Residential	G	NE	58	54	59	55	59	55	60	55	1.1	1.3	0.8	0.7	60	55	NO	NO	NO
15	15_0151		Residential	G	E	57	53	58	54	58	54	59	54	1.1	1.3	0.8	0.8	60	55	NO	NO	NO
15	15_0151		Residential	1	E	59	54	60	56	60	55	61	56	1.2	1.4	0.8	0.8	60	55	NO	NO	NO
15	15_0152		Residential	G	E	57	53	58	54	58	54	59	55	1.1	1.4	0.8	0.8	60	55	NO	NO	NO
15	15_0152		Residential	1	E	59	54	60	56	59	55	60	56	1.3	1.5	0.9	0.9	60	55	NO	NO	NO
15	15_0153		Residential	G	E	58	53	59	55	59	54	59	55	1.2	1.4	0.8	0.8	60	55	NO	NO	NO
15	15_0154		Residential	G	E	57	53	58	54	58	54	59	55	1.1	1.3	0.8	0.8	60	55	NO	NO	NO
15	15_0155		Residential	G	E	57	52	58	54	58	53	58	54	1.1	1.3	0.8	0.7	60	55	NO	NO	NO
15	15_0156		Residential	G	NE	57	52	58	53	57	53	58	54	1	1.1	0.7	0.7	60	55	NO	NO	NO
15	15_0157		Residential	G	NE	57	53	58	54	58	54	59	54	1	1.2	0.7	0.7	60	55	NO	NO	NO
15	15_0158		Residential	G	NE	60	56	62	57	61	57	62	58	1.3	1.5	0.9	0.9	60	55	NO	NO	NO
15	15_0159		Residential	G	NE	60	56	61	57	61	57	62	57	1.3	1.5	1	0.8	60	55	NO	NO	NO
15	15_0160		Residential	G	S	60	55	61	57	61	56	62	57	1.4	1.6	0.9	1	60	55	NO	NO	NO
15	15_0160		Residential	1	E	63	58	64	60	64	60	65	60	1.2	1.4	0.9	0.8	60	55	NO	NO	YES
15	15_0161		Residential	G	S	59	55	61	56	60	56	61	57	1.3	1.6	0.9	0.8	60	55	NO	NO	NO
15	15_0161		Residential	1	S	61	56	62	58	62	57	63	58	1.4	1.6	1	0.9	60	55	NO	NO	NO
15	15_0162		Residential	G	S	61	57	63	58	62	58	63	59	1.4	1.5	0.9	0.9	60	55	NO	NO	NO
15	15_0163		Residential	G	S	58	53	59	54	59	54	59	55	0.9	1	0.6	0.5	60	55	NO	NO	NO
15	15_0164		Residential	G	NE	59	55	60	56	60	56	61	56	0.9	1	0.6	0.6	60	55	NO	NO	NO
15	15_0165		Residential	G	E	61	56	62	57	62	57	62	58	1	1.1	0.7	0.6	60	55	NO	NO	NO
15	15_0166		Residential	G	NE	55	51	56	51	56	51	56	52	0.5	0.5	0.4	0.4	60	55	NO	NO	NO
15	15_0167		Residential	G	E	54	50	55	50	55	51	56	51	0.6	0.5	0.4	0.4	60	55	NO	NO	NO
15	15_0168		Residential	G	S	55	50	55	50	55	50	56	51	0.5	0.3	0.4	0.4	60	55	NO	NO	NO
15	15_0169		Residential	G	NE	54	50	55	50	55	50	56	51	0.8	0.8	0.6	0.6	60	55	NO	NO	NO
15	15_0170		Residential	G	E	55	50	56	51	56	51	56	52	0.8	1	0.6	0.6	60	55	NO	NO	NO
15	15_0171		Residential	G	NE	54	50	55	50	55	50	56	51	0.8	0.8	0.6	0.6	60	55	NO	NO	NO
15	15_0172		Residential	G	E	55	50	56	52	56	51	56	52	1	1.1	0.7	0.7	60	55	NO	NO	NO
15	15_0173		Residential	G	E	54	49	55	50	55	50	55	51	0.8	0.8	0.5	0.5	60	55	NO	NO	NO
15	15_0174		Residential	G	E	54	49	54	50	55	50	55	51	0.7	0.8	0.5	0.5	60	55	NO	NO	NO
15	15_0175		Residential	G	E	54	50	55	51	55	51	56	51	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0176		Residential	G	NE	54	50	55	51	55	51	56	51	0.8	0.9	0.6	0.5	60	55	NO	NO	NO
15	15_0177		Residential	G	E	54	49	55	50	55	50	55	51	0.8	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0178		Residential	G	E	54	49	55	50	55	50	55	51	0.7	0.8	0.6	0.5	60	55	NO	NO	NO
15	15_0179		Residential	G	E	54	49	55	50	55	50	55	51	0.7	0.8	0.6	0.5	60	55	NO	NO	NO
15	15_0180		Residential	G	NE	54	50	55	51	55	51	56	51	0.7	0.8	0.6	0.5	60	55	NO	NO	NO
15	15_0181		Residential	G	E	55	50	55	51	55	51	56	51	0.6	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0182		Residential	G	E	54	50	55	50	55	51	55	51	0.7	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0183		Residential	G	NE	55	51	56	52	56	52	56	52	0.7	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0184		Residential	G	E	55	51	56	51	56	51	56	52	0.6	0.8	0.5	0.4	60	55	NO	NO	NO
15	15_0184		Residential	1	E	57	52	57	53	58	53	58	54	0.6	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0185		Residential	G	NE	55	50	55	51	55	51	56	51	0.6	0.6	0.4	0.4	60	55	NO	NO	NO
15	15_0185		Residential	1	NE	57	52	57	53	57	53	58	53	0.6	0.6	0.5	0.4	60	55	NO	NO	NO
15	15_0186		Residential	G	NE	54	50	55	51	55	51	56	51	0.6	0.6	0.4	0.3	60	55	NO	NO	NO
15	15_0187		Residential	G	NE	54	50	55	51	55	51	55	51	0.6	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0187		Residential	1	NE	57	53	58	54	58	54	58	54	0.6	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0188		Residential	G	SE	56	52	57	53	57	53	57	53	0.4	0.6	0.3	0.2	60	55	NO	NO	NO
15	15_0188		Residential	1	SE	61	56	61	57	61	57	62	57	0.4	0.6	0.2	0.2	60	55	NO	NO	NO
15	15_0189		Residential	G	NE	57	53	58	53	58	53	58	54	0.6	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0190		Residential	G	NE	57	53	58	53	58	53	58	54	0.7	0.7	0.5	0.4	60	55	NO	NO	NO
15	15_0191		Residential	G	NE	59	54	60	55	60	55	60	56	0.7	0.9	0.5	0.5	60	55	NO	NO	NO
15	15_0192		Residential	G	NW	55	50	55	50	56	50	56	50	-0.1	-0.8	-0.1	0	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0193		Residential	G	NE	53	49	54	49	54	49	54	50	0.5	0.4	0.3	0.4	60	55	NO	NO	NO
15	15_0194		Residential	G	NE	54	49	54	50	54	50	55	50	0.5	0.4	0.4	0.4	60	55	NO	NO	NO
15	15_0195		Residential	G	NE	53	49	53	49	54	49	54	50	0.5	0.5	0.3	0.3	60	55	NO	NO	NO
15	15_0196		Residential	G	NW	56	51	55	49	57	51	56	50	-0.8	-2.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0196		Residential	1	SW	57	53	57	51	58	52	58	52	-0.7	-2.1	-0.5	-0.3	60	55	NO	NO	NO
15	15_0197		Residential	G	NW	56	52	56	50	57	51	57	51	-0.6	-2.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0198		Residential	G	NW	56	52	56	50	57	51	57	51	-0.6	-2	-0.4	-0.3	60	55	NO	NO	NO
15	15_0199		Residential	G	NW	56	51	55	50	57	51	57	51	-0.6	-1.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0200		Residential	G	NW	56	51	55	50	57	51	56	51	-0.4	-1.6	-0.3	-0.2	60	55	NO	NO	NO
15	15_0201		Residential	G	NW	54	50	54	49	55	49	55	49	-0.3	-1.1	-0.2	0	60	55	NO	NO	NO
15	15_0202		Residential	G	NW	54	50	54	48	55	49	55	49	-0.4	-1.5	-0.3	-0.2	60	55	NO	NO	NO
15	15_0203		Residential	G	NW	54	50	54	48	55	49	55	49	-0.5	-1.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0204		Residential	G	SW	55	51	54	50	56	51	55	50	-0.5	-0.9	-0.5	-0.6	60	55	NO	NO	NO
15	15_0204		Residential	1	SW	58	53	57	52	58	54	58	53	-0.5	-0.8	-0.5	-0.5	60	55	NO	NO	NO
15	15_0205		Residential	G	SW	55	51	55	51	56	52	56	51	-0.3	-0.5	-0.3	-0.4	60	55	NO	NO	NO
15	15_0206		Residential	G	SW	56	52	55	51	57	52	56	51	-0.5	-0.7	-0.5	-0.6	60	55	NO	NO	NO
15	15_0206		Residential	1	SW	58	54	58	53	59	54	58	54	-0.5	-0.6	-0.5	-0.5	60	55	NO	NO	NO
15	15_0207		Residential	G	SW	55	51	55	51	56	52	56	51	-0.4	-0.6	-0.5	-0.5	60	55	NO	NO	NO
15	15_0207		Residential	1	SW	58	54	58	53	59	54	58	54	-0.5	-0.6	-0.6	-0.5	60	55	NO	NO	NO
15	15_0208		Residential	G	SW	57	52	56	52	57	53	57	52	-0.5	-0.4	-0.5	-0.5	60	55	NO	NO	NO
15	15_0208		Residential	1	SE	59	54	58	54	59	55	59	55	-0.3	-0.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0209		Residential	G	SW	58	54	58	53	59	54	58	54	-0.4	-0.4	-0.4	-0.5	60	55	NO	NO	NO
15	15_0210		Residential	G	S	59	55	59	54	59	55	59	55	-0.3	-0.3	-0.4	-0.5	60	55	NO	NO	NO
15	15_0210		Residential	1	S	60	56	60	55	61	56	60	56	-0.2	-0.2	-0.3	-0.3	60	55	NO	NO	NO
15	15_0211		Residential	G	SW	57	53	57	53	58	54	58	53	-0.4	-0.4	-0.6	-0.6	60	55	NO	NO	NO
15	15_0211		Residential	1	SW	59	55	59	55	60	56	59	55	-0.3	-0.3	-0.4	-0.5	60	55	NO	NO	NO
15	15_0212		Residential	G	SW	58	54	58	54	59	55	58	54	-0.3	-0.3	-0.4	-0.5	60	55	NO	NO	NO
15	15_0212		Residential	1	SE	61	57	61	57	62	58	62	57	0.1	0.2	0	-0.1	60	55	NO	NO	NO
15	15_0213		Residential	G	SW	58	54	58	54	59	55	58	54	-0.2	-0.2	-0.3	-0.4	60	55	NO	NO	NO
15	15_0214		Residential	G	SE	57	53	58	53	58	54	58	54	0.6	0.7	0.4	0.3	60	55	NO	NO	NO
15	15_0215		Residential	G	SE	59	55	59	55	60	55	59	55	-0.1	0	-0.2	-0.3	60	55	NO	NO	NO
15	15_0216		Residential	G	SE	58	54	58	54	59	55	59	54	-0.3	-0.2	-0.4	-0.4	60	55	NO	NO	NO
15	15_0216		Residential	1	SE	60	56	60	56	61	57	61	56	-0.2	-0.1	-0.3	-0.3	60	55	NO	NO	NO
15	15_0217		Residential	G	SE	58	53	58	53	58	54	58	54	-0.3	-0.1	-0.4	-0.3	60	55	NO	NO	NO
15	15_0217		Residential	1	SE	60	55	59	55	60	56	60	56	-0.3	-0.2	-0.4	-0.4	60	55	NO	NO	NO
15	15_0218		Residential	G	SE	57	53	57	53	58	54	58	53	-0.3	-0.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0218		Residential	1	SE	59	55	59	54	60	55	59	55	-0.4	-0.2	-0.4	-0.5	60	55	NO	NO	NO
15	15_0219		Residential	G	S	54	50	54	50	55	51	55	50	-0.1	-0.1	-0.2	-0.2	60	55	NO	NO	NO
15	15_0219		Residential	1	S	59	55	59	54	60	55	59	55	-0.3	-0.3	-0.4	-0.3	60	55	NO	NO	NO
15	15_0220		Residential	G	SW	56	52	56	51	57	53	56	52	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0220		Residential	1	SW	58	54	58	53	59	54	58	54	-0.4	-0.4	-0.5	-0.5	60	55	NO	NO	NO
15	15_0221		Residential	G	SW	53	48	53	48	53	49	53	49	0	-0.1	0	0	60	55	NO	NO	NO
15	15_0221		Residential	1	SE	58	54	58	53	59	54	58	54	-0.3	-0.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0222		Residential	G	SW	55	51	55	51	56	52	56	51	-0.5	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0222		Residential	1	SW	58	53	57	53	58	54	58	53	-0.6	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0223		Residential	G	SW	55	51	54	50	56	51	55	50	-1	-0.8	-1	-1	60	55	NO	NO	NO
15	15_0223		Residential	1	SW	57	53	57	52	58	53	57	53	-0.7	-0.7	-0.8	-0.7	60	55	NO	NO	NO
15	15_0224		Residential	G	SW	51	47	51	46	52	47	52	47	0	-0.3	0.1	0.1	60	55	NO	NO	NO
15	15_0224		Residential	1	SW	54	50	54	50	55	50	55	50	-0.1	-0.4	-0.1	-0.1	60	55	NO	NO	NO
15	15_0225		Residential	G	SW	51	47	51	46	52	47	52	47	-0.3	-0.8	-0.2	-0.2	60	55	NO	NO	NO
15	15_0225		Residential	1	SW	55	50	54	50	55	51	55	50	-0.4	-0.7	-0.4	-0.4	60	55	NO	NO	NO
15	15_0226		Residential	G	SW	51	47	51	46	52	47	52	47	-0.3	-1	-0.2	-0.2	60	55	NO	NO	NO
15	15_0226		Residential	1	SW	54	50	54	49	55	50	55	50	-0.2	-0.7	-0.1	-0.2	60	55	NO	NO	NO
15	15_0227		Residential	G	SE	51	46	51	46	51	47	51	47	0.1	-0.1	0	0	60	55	NO	NO	NO
15	15_0227		Residential	1	NW	55	50	55	49	56	50	56	50	-0.1	-0.8	-0.1	0	60	55	NO	NO	NO
15	15_0228		Residential	G	SE	53	49	53	48	54	49	54	49	-0.2	-0.5	-0.2	-0.2	60	55	NO	NO	NO
15	15_0228		Residential	1	SW	57	53	56	51	58	53	57	52	-0.7	-1.3	-0.6	-0.7	60	55	NO	NO	NO
15	15_0229		Residential	G	SW	52	48	52	47	53	48	53	48	-0.5	-1.3	-0.4	-0.4	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0229		Residential	1	SW	57	53	57	51	58	53	58	52	-0.7	-1.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0230		Residential	G	SW	56	51	55	49	57	51	56	50	-0.7	-2	-0.4	-0.3	60	55	NO	NO	NO
15	15_0230		Residential	1	SW	58	53	57	51	58	53	58	52	-0.6	-1.7	-0.4	-0.3	60	55	NO	NO	NO
15	15_0231		Residential	G	SW	55	51	55	49	56	50	56	50	-0.7	-2.2	-0.3	-0.3	60	55	NO	NO	NO
15	15_0231		Residential	1	SW	57	53	57	51	58	52	58	52	-0.5	-1.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0232		Residential	G	SW	56	51	55	49	57	51	56	50	-0.6	-2.1	-0.4	-0.3	60	55	NO	NO	NO
15	15_0232		Residential	1	SW	58	53	57	51	59	53	58	53	-0.8	-2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0233		Residential	G	SW	55	51	55	50	56	51	56	50	-0.5	-1.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0234		Residential	G	SW	54	50	54	49	55	50	54	49	-0.5	-1.1	-0.4	-0.3	60	55	NO	NO	NO
15	15_0235		Residential	G	SW	51	47	51	46	52	47	52	47	-0.4	-1	-0.3	-0.3	60	55	NO	NO	NO
15	15_0235		Residential	1	SW	56	52	55	51	57	52	56	51	-0.8	-1	-0.8	-0.8	60	55	NO	NO	NO
15	15_0236		Residential	G	SE	50	46	50	46	51	46	51	46	0	-0.1	-0.1	-0.1	60	55	NO	NO	NO
15	15_0236		Residential	1	SE	55	51	54	50	56	51	55	51	-0.5	-0.5	-0.5	-0.5	60	55	NO	NO	NO
15	15_0237		Residential	G	SW	53	48	52	47	53	48	53	48	-0.4	-0.8	-0.3	-0.3	60	55	NO	NO	NO
15	15_0237		Residential	1	SW	57	52	56	51	57	53	57	52	-0.5	-0.8	-0.5	-0.4	60	55	NO	NO	NO
15	15_0238		Residential	G	SW	56	51	55	49	56	51	56	50	-0.6	-1.7	-0.4	-0.3	60	55	NO	NO	NO
15	15_0238		Residential	1	SW	59	55	58	53	60	55	59	54	-0.8	-1.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0239		Residential	G	SW	56	52	55	50	57	51	56	51	-0.6	-1.7	-0.4	-0.3	60	55	NO	NO	NO
15	15_0240		Residential	G	W	56	51	55	49	57	51	56	50	-0.8	-2.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0240		Residential	1	W	58	54	57	52	59	53	59	53	-0.7	-2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0241		Residential	G	W	56	51	55	49	57	50	56	50	-0.8	-2.5	-0.5	-0.4	60	55	NO	NO	NO
15	15_0241		Residential	1	W	58	53	57	51	59	52	58	52	-0.7	-2.2	-0.5	-0.4	60	55	NO	NO	NO
15	15_0242		Residential	G	W	56	51	55	49	57	50	56	50	-0.7	-2.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0243		Residential	G	SW	54	50	53	48	55	49	55	49	-0.7	-2	-0.4	-0.4	60	55	NO	NO	NO
15	15_0243		Residential	1	SW	57	52	56	50	57	52	57	51	-0.6	-1.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0244		Residential	G	SW	55	51	55	50	56	51	55	50	-0.4	-0.9	-0.4	-0.3	60	55	NO	NO	NO
15	15_0244		Residential	1	SW	58	54	57	53	59	54	58	53	-0.5	-1	-0.6	-0.6	60	55	NO	NO	NO
15	15_0245		Residential	G	SW	57	52	56	51	57	53	57	52	-0.6	-0.8	-0.6	-0.6	60	55	NO	NO	NO
15	15_0245		Residential	1	SW	58	54	58	53	59	55	58	54	-0.6	-0.9	-0.6	-0.8	60	55	NO	NO	NO
15	15_0246		Residential	G	SW	57	52	56	52	57	53	57	52	-0.6	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0246		Residential	1	SW	58	54	58	53	59	54	58	54	-0.7	-0.9	-0.7	-0.8	60	55	NO	NO	NO
15	15_0247		Residential	G	SW	56	51	55	51	56	52	56	51	-0.3	-0.5	-0.3	-0.4	60	55	NO	NO	NO
15	15_0247		Residential	1	SW	58	54	58	53	59	55	58	54	-0.7	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0248		Residential	G	SW	67	62	66	60	68	62	67	61	-0.8	-2.2	-0.6	-0.5	60	55	NO	NO	NO
15	15_0249		Residential	G	SW	66	61	65	59	67	61	66	60	-0.8	-2.3	-0.6	-0.6	60	55	NO	NO	NO
15	15_0249		Residential	1	SW	67	62	66	60	68	62	67	61	-0.8	-2.1	-0.6	-0.6	60	55	NO	NO	NO
15	15_0250		Residential	G	SW	65	60	64	58	66	60	65	59	-0.8	-2.1	-0.5	-0.6	60	55	NO	NO	NO
15	15_0250		Residential	1	SW	66	62	65	59	67	61	66	60	-0.8	-2.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0251		Residential	G	SW	64	60	64	58	65	60	65	59	-0.7	-2.1	-0.5	-0.5	60	55	NO	NO	NO
15	15_0251		Residential	1	SW	66	62	65	59	67	61	67	61	-0.8	-2.2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0252		Residential	G	SW	63	58	62	56	64	58	63	57	-0.8	-2.3	-0.6	-0.7	60	55	NO	NO	NO
15	15_0252		Residential	1	SW	65	60	64	58	66	60	65	59	-0.8	-2.2	-0.5	-0.6	60	55	NO	NO	NO
15	15_0253		Residential	G	SW	64	60	63	58	65	59	65	59	-0.8	-2.1	-0.5	-0.5	60	55	NO	NO	NO
15	15_0253		Residential	1	SW	66	61	65	59	67	61	66	60	-0.8	-2.2	-0.6	-0.5	60	55	NO	NO	NO
15	15_0254		Residential	G	SW	66	62	65	59	67	61	66	60	-0.8	-2.3	-0.5	-0.6	60	55	NO	NO	NO
15	15_0255		Residential	G	SW	63	59	62	57	64	58	64	58	-0.8	-2.2	-0.5	-0.6	60	55	NO	NO	NO
15	15_0256		Residential	G	SW	62	57	61	55	62	57	62	56	-0.9	-2.2	-0.6	-0.7	60	55	NO	NO	NO
15	15_0256		Residential	1	SW	65	60	64	58	66	60	65	59	-0.8	-2.4	-0.6	-0.5	60	55	NO	NO	NO
15	15_0257		Residential	G	SW	62	58	62	56	63	57	63	57	-0.9	-2.3	-0.6	-0.6	60	55	NO	NO	NO
15	15_0258		Residential	G	SW	58	54	58	54	59	55	59	54	-0.5	-0.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0258		Residential	1	SW	60	56	60	55	61	56	60	56	-0.4	-0.5	-0.5	-0.5	60	55	NO	NO	NO
15	15_0259		Residential	G	SE	56	52	56	51	57	52	56	52	-0.7	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0260		Residential	G	SE	53	49	53	49	54	49	54	49	-0.1	-0.1	-0.1	-0.1	60	55	NO	NO	NO
15	15_0261		Residential	G	SE	57	53	57	53	58	54	58	53	-0.4	-0.5	-0.5	-0.5	60	55	NO	NO	NO
15	15_0261		Residential	1	SE	59	55	58	54	60	55	59	55	-0.5	-0.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0262		Residential	G	SE	55	50	54	50	55	51	55	51	-0.1	-0.1	-0.2	-0.3	60	55	NO	NO	NO
15	15_0262		Residential	1	SE	59	55	59	54	60	56	59	55	-0.4	-0.4	-0.4	-0.5	60	55	NO	NO	NO
15	15_0263		Residential	G	SE	53	49	53	49	54	49	54	49	0	-0.2	0	-0.1	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0263		Residential	1	SW	59	55	58	54	60	55	59	55	-0.4	-0.4	-0.6	-0.5	60	55	NO	NO	NO
15	15_0264		Residential	G	SW	58	53	57	53	58	54	58	53	-0.7	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0264		Residential	1	SW	59	55	58	54	60	55	59	55	-0.6	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0265		Residential	G	SE	58	53	57	53	58	54	58	53	-0.8	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0265		Residential	1	SW	59	55	58	54	60	55	59	55	-0.7	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0266		Residential	G	SW	53	48	53	48	53	49	53	49	-0.3	-0.4	-0.2	-0.3	60	55	NO	NO	NO
15	15_0267		Residential	G	SE	58	54	57	53	59	54	58	53	-0.7	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0268		Residential	G	SE	58	53	57	53	58	54	58	53	-0.7	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0269		Residential	G	SW	56	51	55	51	56	52	56	51	-0.5	-0.6	-0.6	-0.5	60	55	NO	NO	NO
15	15_0269		Residential	1	SW	58	54	58	53	59	54	58	54	-0.6	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0270		Residential	G	SE	57	52	56	52	57	53	57	52	-0.7	-0.6	-0.7	-0.7	60	55	NO	NO	NO
15	15_0270		Residential	1	SE	58	54	57	53	59	54	58	54	-0.6	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0271		Residential	G	SW	57	53	56	52	58	53	57	53	-0.6	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0272		Residential	G	SW	58	54	57	53	59	54	58	53	-0.7	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0272		Residential	1	SW	59	55	59	54	60	55	59	55	-0.5	-0.6	-0.6	-0.6	60	55	NO	NO	NO
15	15_0273		Residential	G	SW	58	53	57	53	58	54	58	53	-0.6	-0.6	-0.7	-0.7	60	55	NO	NO	NO
15	15_0274		Residential	G	SW	55	51	54	50	56	51	55	50	-0.6	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0274		Residential	1	SW	58	53	57	53	58	54	58	53	-0.7	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0275		Residential	G	SW	55	50	54	50	55	51	55	50	-0.4	-0.7	-0.4	-0.4	60	55	NO	NO	NO
15	15_0275		Residential	1	SW	58	54	58	53	59	54	58	54	-0.6	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0276		Residential	G	SW	55	51	55	51	56	52	56	51	-0.3	-0.6	-0.4	-0.5	60	55	NO	NO	NO
15	15_0277		Residential	G	SW	58	53	57	53	58	54	58	53	-0.6	-0.7	-0.5	-0.6	60	55	NO	NO	NO
15	15_0278		Residential	G	SW	55	51	55	50	56	51	55	50	-0.6	-1	-0.6	-0.6	60	55	NO	NO	NO
16	16_0001		Residential	G	NW	62	58	62	58	62	58	63	59	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0001		Residential	1	NW	62	58	63	59	63	59	63	59	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0002		Residential	G	NW	62	58	63	59	63	59	63	59	0.4	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0002		Residential	1	NW	63	59	63	59	63	59	64	60	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0003		Residential	G	NW	63	59	63	59	63	59	64	60	0.3	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0003		Residential	1	NW	63	59	64	60	64	60	64	60	0.3	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0004		Residential	G	W	63	59	63	59	63	59	64	60	0.3	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0004		Residential	1	W	63	59	64	60	64	60	64	60	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0005		Residential	G	SW	62	58	62	58	62	58	62	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0006		Residential	G	SW	61	57	61	57	61	58	62	58	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0007		Residential	G	SW	61	57	61	57	61	58	62	58	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0008		Residential	G	SW	60	56	60	56	60	57	61	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0009		Residential	G	SW	60	56	60	56	60	57	61	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0010		Residential	G	SW	58	54	59	55	59	55	59	55	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0011		Residential	G	SW	58	54	58	54	58	55	59	55	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0011		Residential	1	SW	60	56	60	56	60	56	61	57	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0012		Residential	G	SW	57	53	57	53	57	53	57	54	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0012		Residential	1	SW	59	55	59	55	59	56	60	56	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0013		Residential	G	SW	56	52	57	53	57	53	57	53	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0013		Residential	1	SW	58	54	59	55	59	55	59	55	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0014		Residential	G	SW	56	52	56	52	56	52	56	53	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0014		Residential	1	SW	58	54	58	54	58	54	58	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0015		Residential	G	SW	56	52	57	53	57	53	57	53	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0015		Residential	1	SW	58	54	58	54	58	55	59	55	0.1	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0016		Residential	G	SW	56	52	56	52	57	53	57	53	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0016		Residential	1	SW	58	54	58	54	58	55	59	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0017		Residential	G	W	56	52	56	53	57	53	57	53	0.2	0.3	0.4	0.3	60	55	NO	NO	NO
16	16_0017		Residential	1	W	58	54	58	54	58	55	59	55	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0018		Residential	G	W	56	52	57	53	57	53	57	53	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0018		Residential	1	W	58	54	58	54	59	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0019		Residential	G	W	55	51	55	51	56	52	56	52	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0019		Residential	1	W	57	53	57	54	58	54	58	54	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0020		Residential	G	NW	55	51	55	51	55	52	56	52	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0020		Residential	1	NW	57	53	57	53	57	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0021		Residential	G	NW	55	51	55	51	55	51	55	51	0.3	0.4	0.3	0.2	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0021		Residential	1	NW	57	53	57	53	57	54	58	54	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0022		Residential	G	NW	54	50	54	51	55	51	55	51	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0022		Residential	1	SW	56	52	57	53	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0023		Residential	G	SW	55	51	55	52	56	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0023		Residential	1	SW	57	53	57	53	57	54	58	54	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0024		Residential	G	W	55	51	55	52	56	52	56	52	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0025		Residential	G	SW	55	51	55	51	55	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0025		Residential	1	NW	56	52	56	53	57	53	57	53	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0026		Residential	G	W	63	59	63	59	63	59	64	60	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0027		Residential	G	W	63	59	64	60	64	60	64	60	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0028		Residential	G	SW	63	59	63	59	63	59	64	60	0.4	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0029		Residential	G	SW	63	59	63	59	63	59	63	60	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0030		Residential	G	NW	64	60	64	60	64	60	64	61	0.4	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0031		Residential	G	SW	63	59	63	59	63	59	63	60	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0032		Residential	G	SW	63	59	63	59	63	59	64	60	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0033		Residential	G	SW	62	58	62	59	62	59	63	59	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0034		Residential	G	SW	62	58	62	58	62	59	63	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0035		Residential	G	SW	62	58	62	58	62	58	62	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0036		Residential	G	NW	61	57	61	57	61	58	62	58	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0037		Residential	G	SW	61	57	61	57	61	57	61	58	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0038		Residential	G	SW	59	55	59	55	59	56	59	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0039		Residential	G	SW	60	56	60	56	60	57	61	57	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0040		Residential	G	SW	59	55	59	56	60	56	60	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0040		Residential	1	SW	60	56	60	57	61	57	61	57	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0041		Residential	G	SW	59	55	59	56	60	56	60	56	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0042		Residential	G	SW	59	55	59	55	59	56	60	56	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0043		Residential	G	SW	56	52	57	53	57	53	57	53	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0043		Residential	1	SW	59	55	59	55	59	55	59	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0044		Residential	G	SW	58	54	58	54	58	54	58	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0045		Residential	G	SW	58	54	58	54	58	55	59	55	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0046		Residential	G	W	58	54	58	54	58	55	59	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0046		Residential	1	W	59	55	59	55	59	56	60	56	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0047		Residential	G	W	58	54	59	55	59	55	59	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0048		Residential	G	NW	57	53	58	54	58	54	58	54	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0048		Residential	1	NW	59	55	59	55	59	56	60	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0049		Residential	G	NW	58	54	58	54	59	55	59	55	0.3	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0050		Residential	G	SW	58	54	58	54	58	55	59	55	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0051		Residential	G	NW	59	55	59	55	59	55	59	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0052		Residential	G	NW	58	54	58	54	58	54	58	55	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0053		Residential	G	NW	63	59	63	59	63	59	64	60	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0054		Residential	G	W	62	58	62	59	63	59	63	59	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0055		Residential	G	NW	63	59	63	59	63	60	64	60	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0056		Residential	G	W	63	59	64	60	64	60	64	60	0.4	0.7	0.4	0.4	60	55	NO	NO	NO
16	16_0057		Residential	G	NW	62	58	63	59	63	59	63	59	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0058		Residential	G	NW	63	59	63	59	63	59	64	60	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0058		Residential	G	SW	63	59	63	59	63	59	63	60	0.3	0.6	0.4	0.3	60	55	NO	NO	YES
16	16_0059		Residential	G	NW	62	58	63	59	63	59	63	59	0.3	0.6	0.5	0.3	60	55	NO	NO	NO
16	16_0060		Residential	G	SW	62	58	62	59	62	59	63	59	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0061		Residential	G	SW	61	57	61	58	61	58	62	58	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0061		Residential	1	NW	62	58	63	59	63	59	63	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0061		Residential	2	NW	63	59	64	60	64	60	64	60	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0061		Residential	2	SW	63	59	63	59	63	60	64	60	0.3	0.4	0.4	0.2	60	55	NO	NO	YES
16	16_0062		Residential	G	SW	61	57	62	58	62	58	62	58	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0063		Residential	G	SW	61	57	61	58	62	58	62	58	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0064		Residential	G	SW	60	57	61	57	61	57	61	58	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0065		Residential	G	NW	60	56	60	56	60	56	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0066		Residential	G	SW	60	56	61	57	61	57	61	57	0.3	0.5	0.3	0.3	60	55	NO	NO	NO
16	16_0067		Residential	G	W	59	55	59	55	59	55	60	56	0.4	0.5	0.5	0.4	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0068		Residential	G	W	61	57	61	58	62	58	62	58	0.3	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0069		Residential	G	SW	62	58	62	58	62	58	62	59	0.3	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0070		Residential	G	SW	61	57	62	58	62	58	62	59	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0071		Residential	G	SW	62	58	62	59	62	59	63	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0072		Residential	G	SW	62	58	63	59	63	59	63	59	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0073		Residential	G	SW	62	58	62	58	62	58	63	59	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0074		Residential	G	W	64	60	65	61	65	61	65	61	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0075		Residential	G	W	64	60	64	60	64	60	65	61	0.5	0.7	0.4	0.4	60	55	NO	NO	YES
16	16_0075		Residential	1	W	65	61	65	61	65	62	66	62	0.4	0.6	0.4	0.3	60	55	NO	NO	YES
16	16_0076		Residential	G	W	64	60	64	60	64	60	65	61	0.5	0.6	0.5	0.4	60	55	NO	NO	YES
16	16_0077		Residential	G	W	63	59	64	60	64	60	64	60	0.5	0.7	0.4	0.4	60	55	NO	NO	YES
16	16_0078		Residential	G	SW	63	59	63	59	63	60	64	60	0.4	0.6	0.4	0.3	60	55	NO	NO	YES
16	16_0079		Residential	G	SW	62	58	63	59	63	59	63	59	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0080		Residential	G	SW	62	58	62	59	62	59	63	59	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0081		Residential	G	SW	61	57	62	58	62	58	62	58	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0082		Residential	G	SW	61	57	61	58	62	58	62	58	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0083		Residential	G	SW	61	57	61	57	61	57	61	58	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0084		Residential	G	SW	60	56	60	57	61	57	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0085		Residential	G	SW	60	56	60	56	60	56	60	57	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0086		Residential	G	SW	59	55	60	56	60	56	60	56	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0086		Residential	1	NW	61	57	61	57	61	58	62	58	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0087		Residential	G	SW	60	56	60	56	60	57	61	57	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0088		Residential	G	NW	59	55	59	55	59	55	59	56	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0088		Residential	1	NW	61	57	61	57	61	57	61	58	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0089		Residential	G	SW	59	55	59	56	59	56	60	56	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0090		Residential	G	NW	56	52	57	53	57	53	57	53	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0091		Residential	G	NW	57	52	57	53	57	53	57	54	0.3	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0091		Residential	1	NW	59	55	59	56	60	56	60	56	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0092		Residential	G	SW	57	53	57	53	57	54	58	54	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0092		Residential	1	SW	59	55	59	55	59	56	60	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0093		Residential	G	W	57	53	58	54	58	54	58	54	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0094		Residential	G	W	57	52	57	53	57	53	57	53	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0094		Residential	1	W	59	55	59	55	59	56	60	56	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0095		Residential	G	NW	57	53	58	54	58	54	58	54	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0096		Residential	G	NW	58	54	58	55	59	55	59	55	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0097		Residential	G	SW	58	54	58	54	58	55	59	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0097		Residential	1	NW	60	56	60	56	60	56	60	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0098		Residential	G	SW	57	53	57	53	57	54	58	54	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0099		Residential	G	SW	57	53	57	53	57	53	57	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0100		Residential	G	SW	57	53	57	53	57	53	57	54	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0101		Residential	G	S	55	51	55	52	56	52	56	52	0.1	0.3	0.3	0.1	60	55	NO	NO	NO
16	16_0102		Residential	G	NW	64	60	65	61	65	61	65	61	0.5	0.7	0.5	0.4	60	55	NO	NO	YES
16	16_0103		Residential	G	NW	65	61	66	62	66	62	66	62	0.6	0.9	0.5	0.4	60	55	NO	NO	YES
16	16_0104		Residential	G	NW	66	62	66	62	67	63	67	63	0.7	0.9	0.4	0.4	60	55	YES	YES	YES
16	16_0105		Residential	G	W	65	61	66	62	66	62	67	63	0.7	0.9	0.4	0.4	60	55	YES	YES	YES
16	16_0106		Residential	G	W	66	61	66	62	66	62	67	63	0.7	0.9	0.4	0.3	60	55	YES	YES	YES
16	16_0107		Residential	G	W	65	61	66	62	66	62	66	62	0.7	0.9	0.3	0.3	60	55	YES	YES	YES
16	16_0108		Residential	G	W	65	60	65	61	65	61	66	62	0.7	0.9	0.3	0.2	60	55	YES	YES	YES
16	16_0109		Residential	G	W	64	60	64	61	65	61	65	61	0.5	0.8	0.3	0.3	60	55	NO	YES	YES
16	16_0110		Residential	G	NW	63	58	63	59	63	59	64	60	0.5	0.8	0.4	0.4	60	55	NO	NO	YES
16	16_0111		Residential	G	NW	63	59	63	60	64	60	64	60	0.5	0.7	0.4	0.3	60	55	NO	NO	YES
16	16_0112		Residential	G	W	63	59	63	59	63	59	64	60	0.5	0.7	0.3	0.3	60	55	NO	NO	YES
16	16_0113		Residential	G	W	63	58	63	59	63	59	63	60	0.4	0.6	0.4	0.3	60	55	NO	NO	YES
16	16_0114		Residential	G	W	64	60	64	60	64	60	65	61	0.5	0.7	0.4	0.3	60	55	NO	NO	YES
16	16_0115		Residential	G	NW	63	59	64	60	64	60	64	61	0.5	0.7	0.4	0.3	60	55	NO	NO	YES
16	16_0116		Residential	G	NW	62	58	63	59	63	59	63	60	0.4	0.7	0.4	0.4	60	55	NO	NO	YES
16	16_0117		Residential	G	NW	62	58	63	59	63	59	63	60	0.4	0.7	0.4	0.4	60	55	NO	NO	YES
16	16_0118		Residential	G	SW	61	57	62	58	62	58	62	58	0.4	0.6	0.4	0.3	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0119		Residential	G	SW	62	58	62	58	62	58	63	59	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0120		Residential	G	SW	61	57	62	58	62	58	62	58	0.4	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0121		Residential	G	SW	60	56	60	56	60	57	61	57	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0122		Residential	G	NW	59	55	60	56	60	56	60	56	0.4	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0123		Residential	G	NE	58	54	59	55	59	55	59	55	0.3	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0124		Residential	G	SW	58	54	58	54	58	55	59	55	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0125		Residential	G	NW	58	54	59	55	59	55	59	55	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0126		Residential	G	NE	57	53	58	54	58	54	58	54	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0127		Residential	G	NE	57	53	57	53	57	54	58	54	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0128		Residential	G	NW	57	53	57	53	57	54	58	54	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0128		Residential	1	NW	59	55	59	55	59	56	60	56	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0129		Residential	G	NE	55	51	55	52	55	52	56	52	0.3	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0130		Residential	G	SW	56	52	56	52	56	53	57	53	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0131		Residential	G	NE	54	50	55	51	55	51	55	51	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0131		Residential	1	NW	57	53	57	53	57	54	58	54	0.2	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0132		Residential	G	NE	54	50	54	51	55	51	55	51	0.3	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0133		Residential	G	N	55	50	55	51	55	51	55	52	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0134		Residential	G	NW	55	51	55	51	55	51	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0135		Residential	G	W	55	51	55	51	55	51	56	52	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0136		Residential	G	W	55	51	55	52	56	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0137		Residential	G	W	56	52	56	52	56	52	56	53	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0138		Residential	G	W	56	52	56	52	56	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0139		Residential	G	NW	56	52	56	52	56	52	56	53	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0140		Residential	G	NW	55	51	55	51	55	51	56	52	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0140		Residential	1	NW	57	53	57	53	57	53	57	53	0.1	0.3	0.4	0.3	60	55	NO	NO	NO
16	16_0141		Residential	G	SW	53	49	54	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0141		Residential	1	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0142		Residential	G	SW	52	48	52	48	52	48	52	49	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0142		Residential	1	SW	53	49	53	49	53	50	53	50	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0143		Residential	G	SW	53	49	53	49	53	50	54	50	0.2	0.4	0.2	0.2	60	55	NO	NO	NO
16	16_0143		Residential	1	SW	54	50	54	50	54	51	55	51	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0144		Residential	G	SW	53	49	53	49	53	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0144		Residential	1	SW	54	50	54	50	54	51	55	51	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0145		Residential	G	SW	53	49	54	50	54	50	54	50	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0146		Residential	G	SW	53	49	53	49	53	49	54	50	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0146		Residential	1	SW	54	50	54	50	54	50	54	51	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0147		Residential	G	W	51	46	51	47	51	47	51	47	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0148		Residential	G	W	53	49	53	49	53	50	54	50	0.2	0.3	0.4	0.3	60	55	NO	NO	NO
16	16_0149		Residential	G	N	54	50	54	50	54	50	54	51	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0150		Residential	G	NW	52	48	52	48	52	48	53	49	0.3	0.4	0.4	0.4	60	55	NO	NO	NO
16	16_0151		Residential	G	NW	53	49	53	49	54	50	54	50	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0152		Residential	G	N	54	50	54	50	54	51	55	51	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0153		Residential	G	N	54	50	54	50	55	51	55	51	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0154		Residential	G	N	54	50	54	50	54	50	55	51	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0155		Residential	G	N	52	47	52	48	52	48	52	48	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0155		Residential	1	N	55	51	55	51	55	52	56	52	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0156		Residential	G	N	53	49	54	50	54	50	54	50	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0157		Residential	G	N	56	52	56	52	56	52	56	53	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0158		Residential	G	N	56	52	56	52	56	53	57	53	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0159		Residential	G	N	57	53	57	53	57	54	58	54	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0160		Residential	G	N	57	53	57	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0160		Residential	1	N	58	54	58	54	58	54	59	55	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0161		Residential	G	N	57	53	57	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0161		Residential	1	N	58	54	58	54	58	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0162		Residential	G	N	57	53	57	53	57	54	58	54	0.2	0.5	0.3	0.3	60	55	NO	NO	NO
16	16_0163		Residential	G	N	55	51	56	52	56	52	56	52	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0164		Residential	G	N	58	54	58	55	59	55	59	55	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0165		Residential	G	N	59	55	59	55	59	56	60	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO

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						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0166		Residential	G	W	60	56	60	56	60	57	61	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0166		Residential	1	W	61	57	61	58	62	58	62	58	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0167		Residential	G	NW	59	55	59	55	59	55	59	56	0.2	0.5	0.3	0.3	60	55	NO	NO	NO
16	16_0168		Residential	G	N	60	56	60	56	60	56	61	57	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0169		Residential	G	SW	54	50	54	50	54	50	54	50	0.2	0.4	0.2	0.1	60	55	NO	NO	NO
16	16_0169		Residential	1	NW	57	53	57	54	58	54	58	54	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0170		Residential	G	W	55	51	55	51	55	51	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0171		Residential	G	N	54	50	54	50	55	51	55	51	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0172		Residential	G	NW	56	52	56	53	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0173		Residential	G	SW	56	52	56	52	56	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0174		Residential	G	SW	55	51	55	51	55	52	56	52	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0174		Residential	1	SW	57	53	57	54	58	54	58	54	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0175		Residential	G	W	54	50	55	51	55	51	55	51	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0175		Residential	1	W	57	53	57	53	57	53	57	54	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0176		Residential	G	W	56	52	56	52	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0177		Residential	G	W	57	53	57	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0177		Residential	1	W	58	54	58	54	58	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0178		Residential	G	W	58	54	58	54	58	54	58	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0179		Residential	G	W	55	51	56	52	56	52	56	52	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0179		Residential	1	W	58	54	58	54	58	54	59	55	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0180		Residential	G	N	54	50	55	51	55	51	55	51	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0180		Residential	1	N	57	53	57	53	57	53	57	54	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0181		Residential	G	NW	55	51	55	51	55	51	56	52	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0181		Residential	1	NW	58	54	58	54	58	55	59	55	0.2	0.5	0.3	0.3	60	55	NO	NO	NO
16	16_0182		Residential	G	SW	53	49	53	49	53	50	54	50	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0182		Residential	1	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0183		Residential	G	SW	53	49	53	50	54	50	54	50	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0183		Residential	1	SW	55	51	55	52	56	52	56	52	0.1	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0184		Residential	G	SW	54	50	54	51	55	51	55	51	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0184		Residential	1	SW	56	52	56	52	56	53	57	53	0.1	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0185		Residential	G	SW	54	50	54	50	54	51	55	51	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0185		Residential	1	SW	56	52	56	52	56	52	57	53	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0186		Residential	G	SW	53	49	54	50	54	50	54	50	0.3	0.4	0.4	0.4	60	55	NO	NO	NO
16	16_0187		Residential	G	NW	56	52	56	52	56	52	57	53	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0188		Residential	G	NW	54	50	55	51	55	51	55	51	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0188		Residential	1	NW	55	51	55	51	55	52	56	52	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0189		Residential	G	SW	52	48	53	49	53	49	53	49	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0189		Residential	1	SW	53	49	53	49	54	50	54	50	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0190		Residential	G	SW	52	48	52	49	53	49	53	49	0.1	0.2	0.3	0.2	60	55	NO	NO	NO
16	16_0190		Residential	1	SW	53	49	53	49	53	49	53	50	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0191		Residential	G	SW	52	48	52	49	53	49	53	49	0	0.2	0.3	0.2	60	55	NO	NO	NO
16	16_0191		Residential	1	SW	53	49	53	49	53	50	54	50	0.1	0.2	0.3	0.2	60	55	NO	NO	NO
16	16_0191		Residential	2	SW	54	50	54	50	54	50	54	50	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0192		Residential	G	SW	47	43	47	44	48	44	48	44	0	0.2	0.2	0.1	60	55	NO	NO	NO
16	16_0192		Residential	1	NE	51	47	52	47	52	48	52	48	0.5	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0193		Residential	G	NW	55	51	56	52	56	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0193		Residential	1	NW	56	52	56	52	56	52	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0194		Residential	G	SW	51	47	52	48	52	48	52	48	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0194		Residential	1	SW	54	50	54	50	54	50	54	51	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0195		Residential	G	SW	53	49	53	49	53	50	54	50	0.1	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0195		Residential	1	NW	55	51	55	51	55	51	55	52	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0196		Residential	G	W	53	49	53	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0196		Residential	1	W	54	50	55	51	55	51	55	51	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0197		Residential	G	SW	53	49	54	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0197		Residential	1	SW	55	51	55	51	55	51	55	52	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0198		Residential	G	NW	53	48	53	49	53	49	54	50	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0199		Residential	G	SW	54	50	54	50	54	51	55	51	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0200		Residential	G	SW	52	48	52	48	52	48	52	49	0	0.2	0.2	0.1	60	55	NO	NO	NO

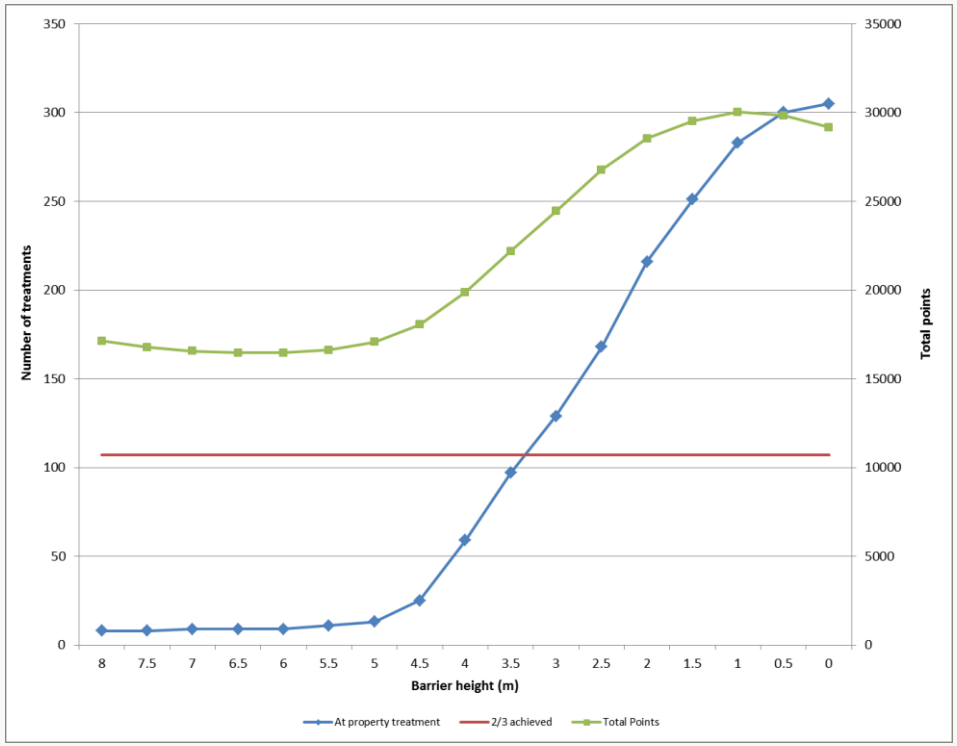
NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0200		Residential	1	SW	54	50	54	50	54	51	55	51	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0201		Residential	G	SW	53	49	53	49	54	50	54	50	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0201		Residential	1	SW	55	51	55	51	55	51	55	51	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0202		Residential	G	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0203		Residential	G	SW	56	52	56	52	56	52	56	53	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0203		Residential	1	NW	57	53	57	53	57	53	58	54	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0204		Residential	G	NW	55	50	55	51	55	51	55	51	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0205		Residential	G	SW	56	52	56	53	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0206		Residential	G	N	56	52	56	53	57	53	57	53	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0206		Residential	1	W	58	54	58	54	58	54	58	54	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0207		Residential	G	W	55	51	56	52	56	52	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0207		Residential	1	W	57	53	57	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0208		Residential	G	NW	55	51	55	51	55	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0208		Residential	1	SW	57	53	57	53	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0209		Residential	G	NW	56	52	57	53	57	53	57	53	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0210		Residential	G	NW	56	52	56	52	56	52	56	53	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0210		Residential	1	NW	57	53	57	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0211		Residential	G	SW	53	49	53	49	53	50	54	50	0	0.2	0.2	0	60	55	NO	NO	NO
16	16_0211		Residential	1	SW	54	50	54	50	55	51	55	51	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0212		Residential	G	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0213		Residential	G	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0214		Residential	G	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0215		Residential	G	SW	55	51	55	51	55	52	56	52	0.1	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0216		Residential	G	SW	54	50	55	51	55	51	55	51	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0217		Residential	G	SW	52	48	53	49	53	49	53	49	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0217		Residential	1	SW	54	50	54	50	54	50	54	51	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0218		Residential	G	NW	53	49	53	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0219		Residential	G	SW	52	48	52	49	53	49	53	49	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0220		Residential	G	W	52	48	52	48	52	48	52	48	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0220		Residential	1	W	53	49	53	49	53	49	54	50	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0221		Residential	G	SW	51	47	52	48	52	48	52	48	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0221		Residential	1	SW	53	49	53	49	53	50	54	50	0.1	0.3	0.2	0.2	60	55	NO	NO	NO
16	16_0222		Residential	G	W	53	49	53	49	53	49	53	50	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0222		Residential	1	W	53	49	54	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0223		Residential	G	W	50	46	51	47	51	47	51	47	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0223		Residential	1	W	52	48	52	48	52	49	53	49	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0224		Residential	G	NW	53	49	53	49	53	50	54	50	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0225		Residential	G	NE	48	44	48	44	49	45	49	45	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0225		Residential	1	NW	54	50	54	50	54	50	54	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0226		Residential	G	N	54	50	54	50	54	51	55	51	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0226		Residential	1	N	54	50	55	51	55	51	55	51	0.1	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0227		Residential	G	NW	54	50	54	50	54	51	55	51	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0227		Residential	1	NW	55	51	55	51	55	51	56	52	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0228		Residential	G	N	53	49	54	50	54	50	54	50	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0228		Residential	1	N	54	50	55	51	55	51	55	51	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0228		Residential	2	N	55	51	55	51	55	52	56	52	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0229		Residential	G	N	51	47	51	47	52	48	52	48	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0229		Residential	1	N	54	50	54	50	54	50	55	51	0.3	0.5	0.5	0.3	60	55	NO	NO	NO
16	16_0229		Residential	2	N	55	51	55	51	55	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0230		Residential	G	N	52	47	52	48	52	48	52	48	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0230		Residential	1	N	55	51	55	51	55	52	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0231		Residential	G	N	54	50	55	51	55	51	55	51	0.4	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0231		Residential	1	N	56	52	56	52	56	53	57	53	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0232		Residential	G	N	54	50	55	51	55	51	55	51	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0232		Residential	1	N	56	52	57	53	57	53	57	53	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0233		Residential	G	N	54	50	55	51	55	51	55	51	0.3	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0233		Residential	1	N	57	53	58	54	58	54	58	54	0.2	0.3	0.3	0.3	60	55	NO	NO	NO
16	16_0234		Residential	G	N	55	51	55	51	55	51	56	52	0.2	0.3	0.3	0.3	60	55	NO	NO	NO

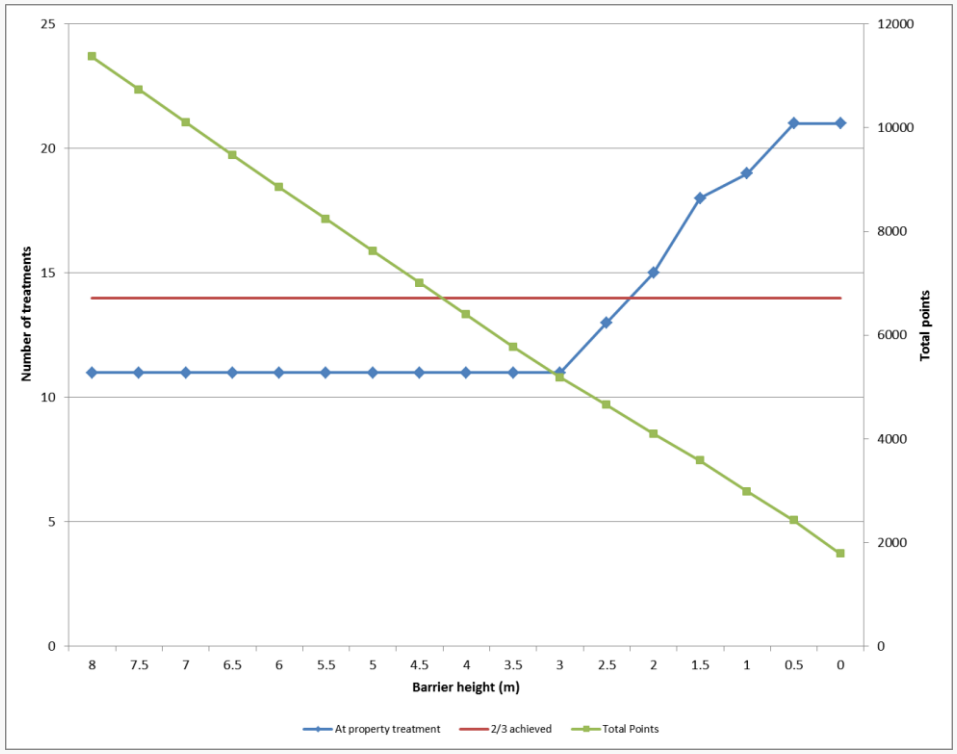
NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0234		Residential	1	N	57	53	58	54	58	54	58	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0235		Residential	G	W	57	53	57	54	57	54	58	54	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0235		Residential	1	W	58	54	58	54	58	54	59	55	0.1	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0235		Residential	2	W	58	54	58	55	59	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0236		Residential	G	N	56	51	56	52	56	52	56	52	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0236		Residential	1	N	58	54	58	54	58	55	59	55	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0237		Residential	G	N	58	54	58	54	58	55	59	55	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0238		Residential	G	N	58	54	58	55	59	55	59	55	0.2	0.5	0.5	0.3	60	55	NO	NO	NO
16	16_0238		Residential	1	N	59	55	59	56	60	56	60	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0239		Residential	G	N	58	54	59	55	59	55	59	55	0.3	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0239		Residential	1	N	60	56	60	57	61	57	61	57	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0239		Residential	2	W	61	57	61	57	61	58	62	58	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0240		Residential	G	W	60	56	60	56	60	57	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0240		Residential	1	W	61	57	61	57	61	58	62	58	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0241		Residential	G	N	60	56	60	56	60	56	61	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0241		Residential	1	N	61	57	61	58	62	58	62	58	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0242		Residential	G	N	59	55	59	55	59	56	60	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0242		Residential	1	N	61	57	62	58	62	58	62	58	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0243		Residential	G	W	61	57	61	57	61	57	61	58	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0243		Residential	1	W	62	58	63	59	63	59	63	59	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0244		Residential	G	W	60	56	61	57	61	57	61	57	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0244		Residential	1	W	62	58	62	58	62	59	63	59	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0245		Residential	G	W	62	58	62	58	62	58	63	59	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0246		Residential	G	NW	62	58	62	58	62	59	63	59	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0247		Residential	G	NE	61	57	61	57	61	58	62	58	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0248		Residential	G	N	59	55	60	56	60	56	60	56	0.3	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0248		Residential	1	N	61	57	61	57	61	57	61	58	0.3	0.6	0.5	0.4	60	55	NO	NO	NO
16	16_0249		Residential	G	NW	59	55	59	56	60	56	60	56	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0249		Residential	1	NW	60	56	60	57	61	57	61	57	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0250		Residential	G	W	59	55	60	56	60	56	60	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0251		Residential	G	W	60	56	60	56	60	56	61	57	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0252		Residential	G	N	58	54	59	55	59	55	59	55	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0253		Residential	G	N	60	56	60	57	61	57	61	57	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0254		Residential	G	W	59	55	60	56	60	56	60	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0254		Residential	1	W	61	57	61	57	61	57	61	57	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0255		Residential	G	W	59	55	59	55	59	56	60	56	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0256		Residential	G	W	58	54	58	54	59	55	59	55	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0256		Residential	1	W	60	56	60	56	60	57	60	56	-0.1	0.1	0	-0.1	60	55	NO	NO	NO
16	16_0257		Residential	G	W	58	54	58	54	58	55	59	55	0.1	0.2	0.2	0.2	60	55	NO	NO	NO
16	16_0257		Residential	1	W	60	56	60	56	60	56	60	56	-0.1	0.1	0	0	60	55	NO	NO	NO
16	16_0258		Residential	G	N	56	52	57	53	57	53	57	53	0.3	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0258		Residential	1	W	59	54	59	55	59	55	59	55	0	0.2	0	-0.1	60	55	NO	NO	NO
16	16_0259		Residential	G	SW	57	53	57	53	58	54	58	54	0.1	0.3	0.1	0.1	60	55	NO	NO	NO
16	16_0259		Residential	1	SW	59	55	59	55	60	56	60	56	-0.1	0	-0.1	-0.2	60	55	NO	NO	NO
16	16_0260		Residential	G	W	56	52	56	52	56	52	56	52	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0260		Residential	1	W	56	52	56	52	56	53	57	53	0.1	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0261		Residential	G	W	57	53	57	53	57	53	57	53	0	0.2	0.1	0.1	60	55	NO	NO	NO
16	16_0262		Residential	G	W	56	52	56	52	57	52	56	52	0	0.1	-0.1	-0.1	60	55	NO	NO	NO
16	16_0263		Residential	G	NE	57	53	58	54	58	54	58	54	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0263		Residential	1	NW	61	57	61	57	61	57	62	58	0.3	0.5	0.5	0.3	60	55	NO	NO	NO
16	16_0264		Residential	G	NW	60	56	60	56	60	56	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0264		Residential	1	NW	61	57	61	57	61	58	62	58	0.4	0.5	0.5	0.3	60	55	NO	NO	NO
16	16_0265		Residential	G	NW	61	57	62	58	62	58	62	58	0.4	0.6	0.5	0.3	60	55	NO	NO	NO
16	16_0265		Residential	1	NW	63	59	63	59	63	59	64	60	0.3	0.5	0.4	0.3	60	55	NO	NO	YES
16	16_0266		Residential	G	NW	52	48	53	49	53	49	53	49	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0266		Residential	1	NW	61	57	62	58	62	58	62	58	0.3	0.5	0.5	0.3	60	55	NO	NO	NO
16	16_0267		Residential	G	W	60	56	61	57	61	57	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0267		Residential	1	W	62	58	62	58	62	58	62	59	0.3	0.5	0.4	0.4	60	55	NO	NO	NO

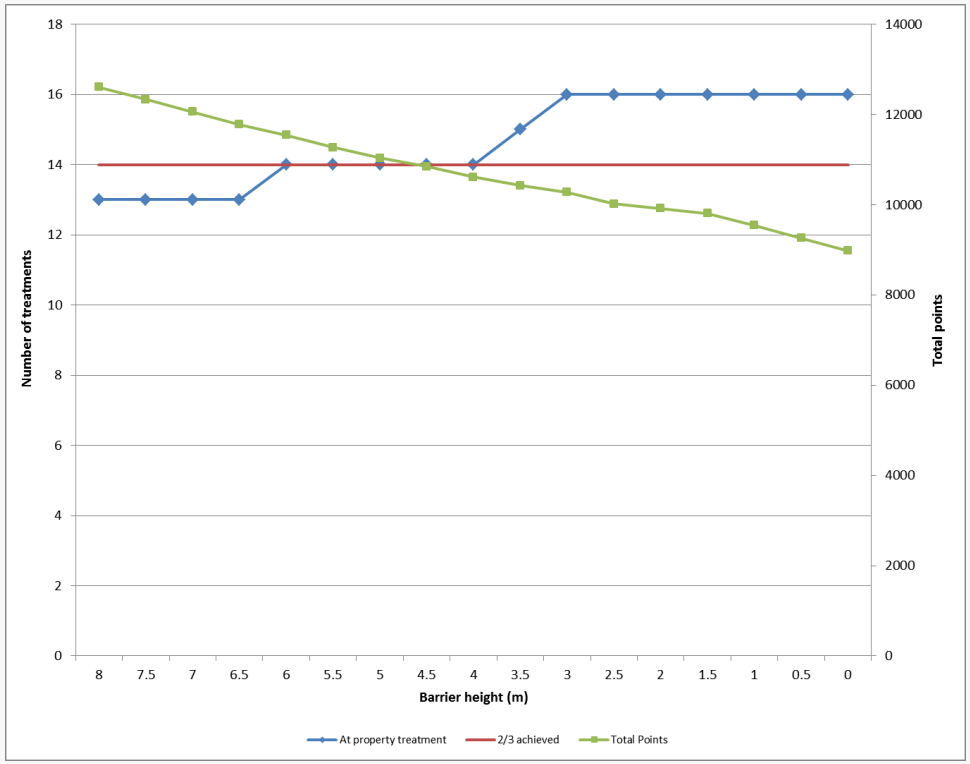
NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0268		Residential	G	W	61	57	61	58	62	58	62	58	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0268		Residential	1	W	63	59	63	60	64	60	64	60	0.2	0.5	0.3	0.2	60	55	NO	NO	YES
16	16_0269		Residential	G	W	63	59	63	59	63	59	63	59	0.1	0.3	0.2	0.1	60	55	NO	NO	NO
16	16_0269		Residential	1	W	65	61	65	61	66	62	66	62	0.1	0.3	0.3	0.1	60	55	YES	YES	YES
16	16_0270		Residential	G	N	59	55	59	55	59	55	60	56	0.4	0.6	0.4	0.4	60	55	NO	NO	NO
16	16_0270		Residential	1	W	62	58	62	58	62	58	63	59	0.3	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0271		Residential	G	W	65	61	65	61	65	62	66	62	0	0.2	0.1	0.1	60	55	YES	YES	YES
16	16_0271		Residential	1	W	67	63	67	63	67	63	67	63	0.1	0.2	0.2	0.1	60	55	YES	YES	YES
16	16_0272		Residential	G	W	65	61	65	61	65	61	65	61	0	0.2	0.1	0	60	55	YES	YES	YES
16	16_0272		Residential	1	W	66	62	66	62	67	63	67	63	0	0.3	0.1	0.1	60	55	YES	YES	YES
16	16_0273		Residential	G	SW	62	58	62	58	63	59	63	59	0	0.1	0	-0.1	60	55	NO	NO	NO
16	16_0274		Residential	G	W	68	64	68	64	69	65	69	65	0.2	0.3	0.3	0.2	60	55	YES	YES	YES
16	16_0274		Residential	1	W	70	66	70	66	70	67	71	67	0.3	0.5	0.4	0.2	60	55	YES	YES	YES
16	16_0275		Residential	G	W	65	61	65	62	65	62	66	62	0.3	0.5	0.4	0.3	60	55	YES	YES	YES
16	16_0275		Residential	1	W	68	64	68	65	68	65	69	65	0.4	0.6	0.6	0.4	60	55	YES	YES	YES
16	16_0276		Residential	G	W	68	63	68	64	68	64	68	65	0.4	0.6	0.4	0.3	60	55	YES	YES	YES
16	16_0277		Residential	G	W	68	64	68	64	68	64	69	65	0.4	0.6	0.4	0.3	60	55	YES	YES	YES
16	16_0278		Residential	G	W	67	63	68	64	68	64	68	64	0.3	0.5	0.4	0.3	60	55	YES	YES	YES
16	16_0279		Residential	G	W	65	61	66	62	66	62	66	62	0.2	0.4	0.3	0.2	60	55	YES	YES	YES
16	16_0279		Residential	1	W	68	63	68	64	68	64	68	65	0.4	0.6	0.4	0.3	60	55	YES	YES	YES
16	16_0280		Residential	G	NW	65	61	66	62	66	62	66	62	0.3	0.5	0.4	0.2	60	55	YES	YES	YES
16	16_0281		Residential	G	NW	64	60	64	60	64	60	65	61	0.3	0.4	0.3	0.2	60	55	NO	YES	YES
16	16_0282		Residential	G	NW	62	58	62	58	62	58	63	59	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0282		Residential	1	NW	64	60	64	61	65	61	65	61	0.1	0.4	0.3	0.2	60	55	NO	YES	YES
16	16_0283		Residential	G	NW	61	57	61	57	61	58	62	58	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0284		Residential	G	NW	62	58	62	58	62	58	62	59	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0285		Residential	G	NW	61	57	61	57	61	57	61	58	0.1	0.4	0.3	0.1	60	55	NO	NO	NO
16	16_0286		Residential	G	NW	58	54	59	55	59	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0286		Residential	1	NW	61	57	61	57	61	58	62	58	0.2	0.4	0.3	0.1	60	55	NO	NO	NO
16	16_0287		Residential	G	NW	59	55	59	56	60	56	60	56	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0288		Residential	G	N	58	54	58	54	58	54	58	55	0.3	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0288		Residential	1	W	62	58	62	58	62	58	62	59	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0289		Residential	G	N	60	56	60	56	60	56	60	57	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0290		Residential	G	W	61	57	61	57	61	58	62	58	0.4	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0290		Residential	1	W	63	59	64	60	64	60	64	60	0.3	0.5	0.3	0.2	60	55	NO	NO	YES
16	16_0291		Residential	G	W	61	57	61	57	62	58	62	58	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0292		Residential	G	W	60	56	61	57	61	57	61	57	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0292		Residential	1	W	63	59	63	59	63	59	63	60	0.3	0.4	0.3	0.2	60	55	NO	NO	YES
16	16_0293		Residential	G	W	60	56	60	56	60	57	61	57	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0293		Residential	1	W	62	58	63	59	63	59	63	59	0.3	0.4	0.3	0.1	60	55	NO	NO	NO
16	16_0294		Residential	G	NW	67	63	68	64	68	64	68	64	0.3	0.5	0.2	0.2	60	55	YES	YES	YES
16	16_0295		Residential	G	SW	67	63	67	63	68	64	68	64	0.3	0.4	0.1	0.1	60	55	YES	YES	YES
16	16_0296		Residential	G	W	68	64	68	64	68	64	69	65	0.3	0.5	0.2	0.1	60	55	YES	YES	YES
16	16_0297		Residential	G	W	67	63	67	63	68	64	68	64	0.1	0.4	0	0	60	55	YES	YES	YES
16	16_0297		Residential	1	W	69	65	69	65	70	66	70	66	0.3	0.4	0.1	0.1	60	55	YES	YES	YES
16	16_0298		Residential	G	W	66	61	66	62	66	62	66	62	0.2	0.4	0	0	60	55	YES	YES	YES
16	16_0299		Residential	G	W	65	61	66	62	66	62	66	62	0.4	0.5	0.1	0	60	55	YES	YES	YES
16	16_0300		Residential	G	W	63	59	64	60	64	60	64	60	0.4	0.6	0.3	0.2	60	55	NO	YES	YES
16	16_0301		Residential	G	W	65	60	65	61	65	61	66	62	0.6	0.7	0.2	0.2	60	55	YES	YES	YES
16	16_0302		Residential	G	W	64	60	65	61	65	61	65	61	0.5	0.8	0.3	0.2	60	55	YES	YES	YES
16	16_0303		Residential	G	W	64	59	64	60	64	60	65	61	0.5	0.7	0.3	0.3	60	55	NO	YES	YES
16	16_0304		Residential	G	W	65	61	66	61	66	62	66	62	0.6	0.8	0.4	0.3	60	55	YES	YES	YES
16	16_0305		Residential	G	W	63	59	63	59	63	59	64	60	0.5	0.7	0.4	0.3	60	55	NO	NO	YES
16	16_0306		Residential	G	W	62	58	62	58	62	58	63	59	0.4	0.6	0.3	0.3	60	55	NO	NO	NO
16	16_0307		Residential	G	N	61	57	61	57	61	57	62	58	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0308		Residential	G	NW	61	56	61	57	61	57	61	58	0.3	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0309		Residential	G	N	60	55	60	56	60	56	60	57	0.3	0.6	0.3	0.3	60	55	NO	NO	NO
16	16_0310		Residential	G	W	60	56	60	56	60	57	61	57	0.3	0.5	0.4	0.3	60	55	NO	NO	NO

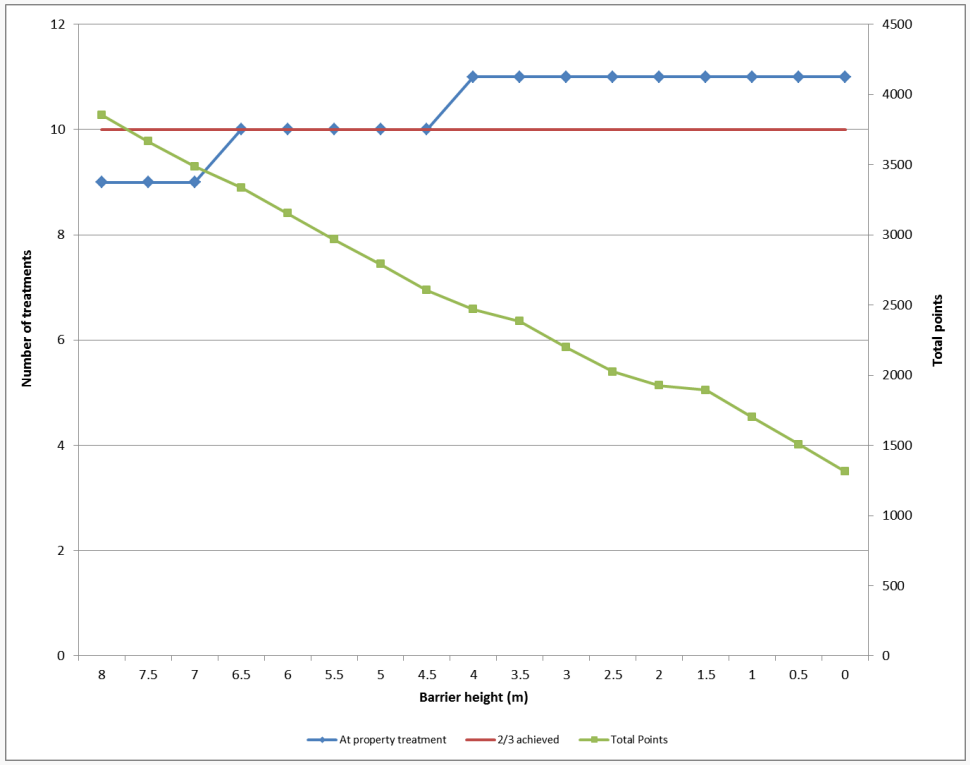
NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0311		Residential	G	N	58	54	59	55	59	55	59	55	0.4	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0312		Residential	G	N	58	54	58	54	58	54	58	55	0.4	0.5	0.4	0.4	60	55	NO	NO	NO
16	16_0313		Residential	G	W	58	54	58	54	58	55	59	55	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0314		Residential	G	W	58	54	58	55	59	55	59	55	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0315		Residential	G	NW	58	54	59	55	59	55	59	55	0.3	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0316		Residential	G	W	59	55	59	55	59	55	59	56	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0317		Residential	G	N	58	54	58	55	59	55	59	55	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0318		Residential	G	NW	58	54	58	54	58	55	59	55	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0318		Residential	1	NW	60	56	61	57	61	57	61	57	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0319		Residential	G	NW	59	55	60	56	60	56	60	56	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0319		Residential	1	NW	61	57	61	58	62	58	62	58	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0320		Residential	G	NW	60	56	61	57	61	57	61	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0321		Residential	G	NW	57	53	58	54	58	54	58	54	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0321		Residential	1	NW	60	56	60	56	60	56	60	57	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0322		Residential	G	N	58	54	58	55	59	55	59	55	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0322		Residential	1	W	59	55	59	56	60	56	60	56	0.2	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0323		Residential	G	N	57	53	57	53	57	54	58	54	0.3	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0323		Residential	1	N	59	55	59	55	59	55	59	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0324		Residential	G	N	55	51	55	51	55	51	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0324		Residential	1	W	57	53	57	53	57	54	58	54	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0325		Residential	G	N	54	50	55	51	55	51	55	51	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0325		Residential	1	N	57	53	57	53	57	54	58	54	0.3	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0326		Residential	G	N	55	51	55	51	55	52	56	52	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0327		Residential	G	N	54	50	55	51	55	51	55	51	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0327		Residential	1	N	57	53	57	53	57	53	57	54	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0328		Residential	G	N	56	52	56	52	56	52	56	53	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0328		Residential	1	N	57	53	57	53	57	53	57	54	0.1	0.3	0.4	0.2	60	55	NO	NO	NO
16	16_0329		Residential	G	N	55	51	55	51	55	52	56	52	0.2	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0329		Residential	1	N	56	52	56	53	57	53	57	53	0.2	0.3	0.4	0.3	60	55	NO	NO	NO
16	16_0330		Residential	G	N	54	50	54	50	54	50	54	50	0.3	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0330		Residential	1	N	55	51	55	51	55	52	56	52	0.2	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0331		Residential	G	N	56	52	56	52	56	52	56	53	0.3	0.5	0.3	0.3	60	55	NO	NO	NO
16	16_0332		Residential	G	N	55	51	56	52	56	52	56	52	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0332		Residential	1	W	57	53	57	53	57	53	57	54	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0333		Residential	G	N	56	52	56	52	56	52	56	53	0.3	0.4	0.3	0.3	60	55	NO	NO	NO
16	16_0333		Residential	1	N	57	53	57	53	57	54	58	54	0.2	0.4	0.4	0.3	60	55	NO	NO	NO
16	16_0334		Residential	G	NW	57	53	57	53	57	53	58	54	0.3	0.5	0.4	0.3	60	55	NO	NO	NO
16	16_0334		Residential	1	NW	58	54	58	54	58	54	58	55	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0335		Residential	G	W	56	52	56	52	56	53	57	53	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0336		Residential	G	W	56	52	57	53	57	53	57	53	0.2	0.5	0.3	0.2	60	55	NO	NO	NO
16	16_0336		Residential	1	W	57	53	58	54	58	54	58	54	0.3	0.5	0.4	0.2	60	55	NO	NO	NO
16	16_0337		Residential	G	N	56	52	56	52	56	52	57	53	0.4	0.5	0.5	0.4	60	55	NO	NO	NO
16	16_0337		Residential	1	W	59	55	59	55	59	55	59	56	0.2	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0338		Residential	G	W	57	53	57	53	57	54	58	54	0.3	0.5	0.4	0.3	60	55	NO	NO	NO

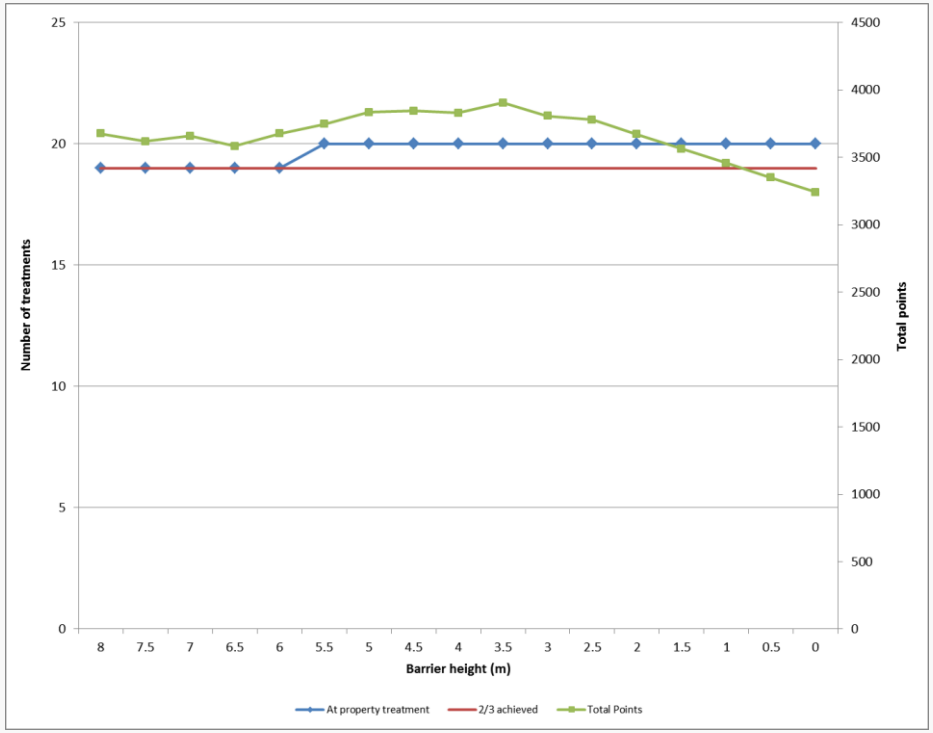
APPENDIX E Noise barrier analysis

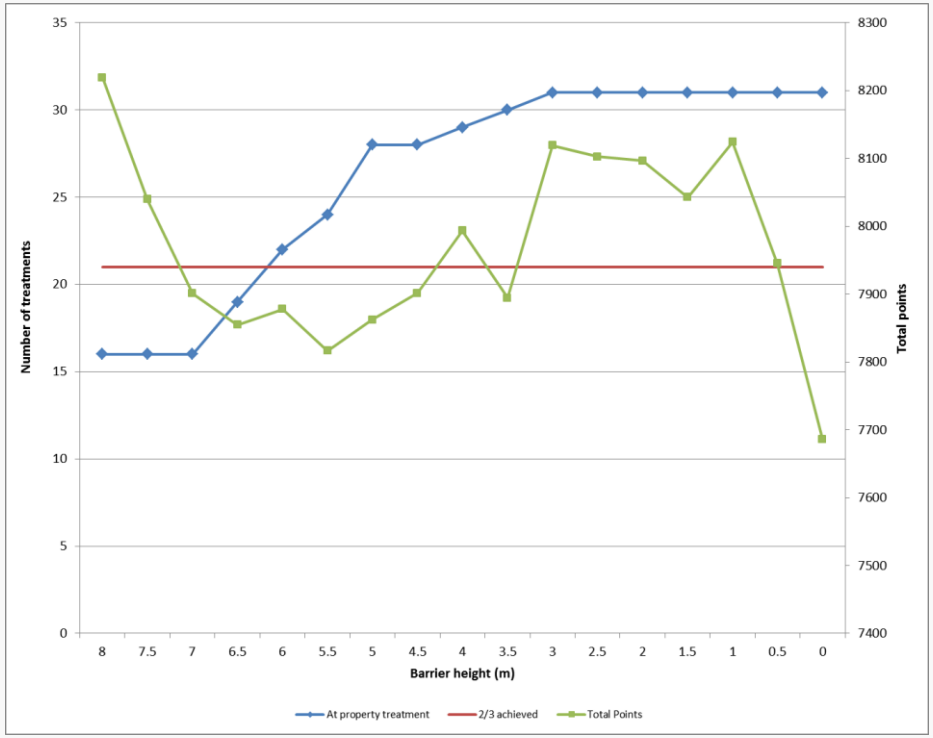
Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Albion Park SB North side of bypass from Croome Road in the west to Colden Drive in the east.	1817	No barrier	-	-	305	
		Maximum barrier	8	10.8	8	
		Initial design barrier	3.5	5.8	97	
		Design barrier	6	8.9	9	
		Final barrier selection	5	7.8	13	
		Discussion:	Not reasonable to build the Design barrier height of 6m as it does not achieve the required insertion loss and there is minimal benefit in terms of number of property treatments when increasing from 5m to 6m.			
		Mitigation Outcome:	5m is reasonable/ feasible noise barrier height. Same outcome as EIS.			

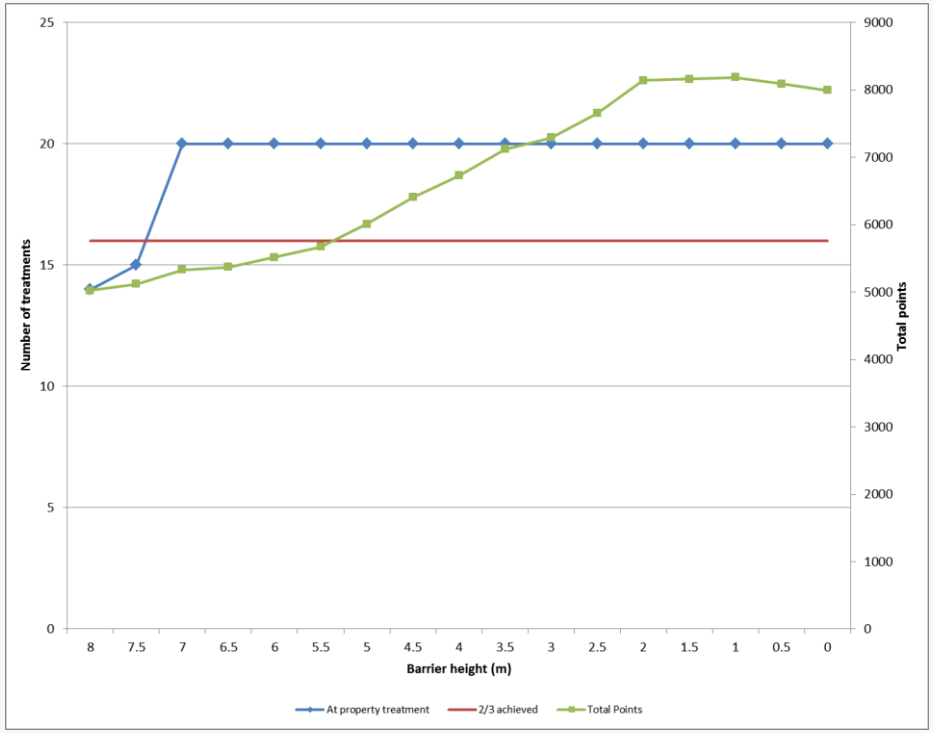
Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Albion Park NB West side of elevated section of bypass over Tongarra Road	1275	No barrier	-	-	21	
		Maximum barrier	8	3.6	11	
		Initial design barrier	2.5	1.8	11	
		Design barrier	2.5	1.8	11	
		Discussion:	Noise barriers considered on Tongarra Road overpass and off ramp. Design barrier of 2.5m does not achieve required insertion loss and is therefore not reasonable. The continuation of concrete safety barriers was investigated and found to be beneficial in reducing the number of property treatments.			
		Mitigation Outcome:	Concrete safety barriers to be continuous on western side of bypass from northern Frazers Creek crossing to southern Frazers Creek crossing, and on Tongarra Road off ramp.			

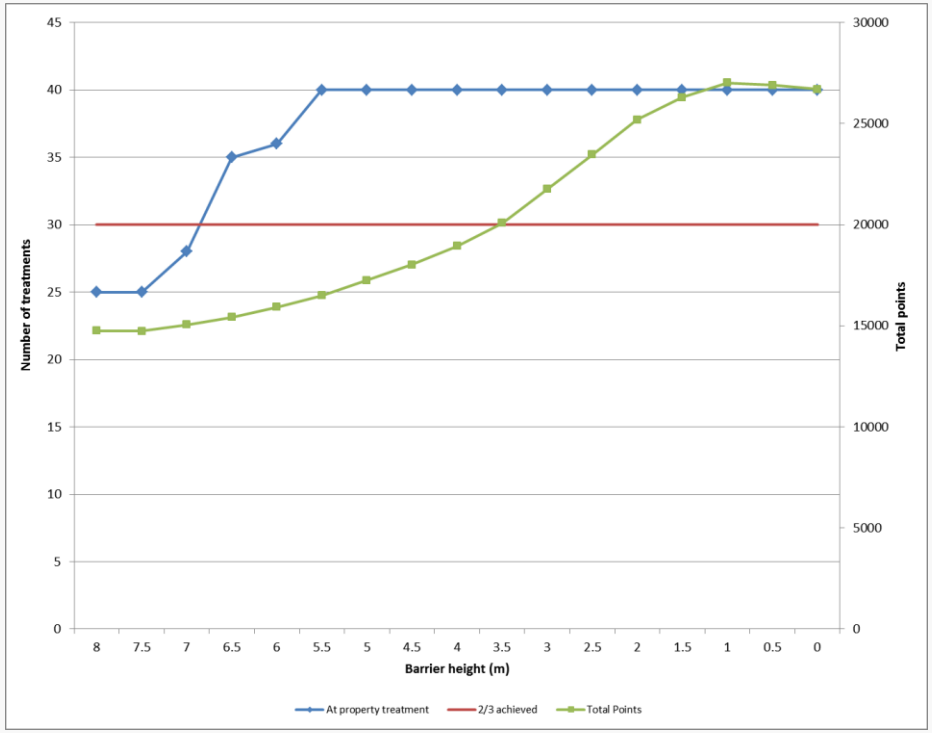
Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Yallah SB East side of bypass between bypass and Illawarra Hwy, near Croome Lane	550	No barrier	-	-	16	
		Maximum barrier	8	9.4	13	
		Initial design barrier	4	6.7	14	
		Design barrier	4	6.7	14	
		Discussion:	Maximum barrier height of 8m does not achieve required insertion loss and does not comply with OLS height restrictions. The Maximum barrier is not reasonable to construct. Design barrier height of 4m achieves the required insertion loss for isolated receivers close to the barrier, but not for the majority of receivers set further back near Princes Highway. A noise wall may also result in adverse flood impacts.			
		Mitigation Outcome:	Barrier not a feasible mitigation solution. Same outcome as EIS.			

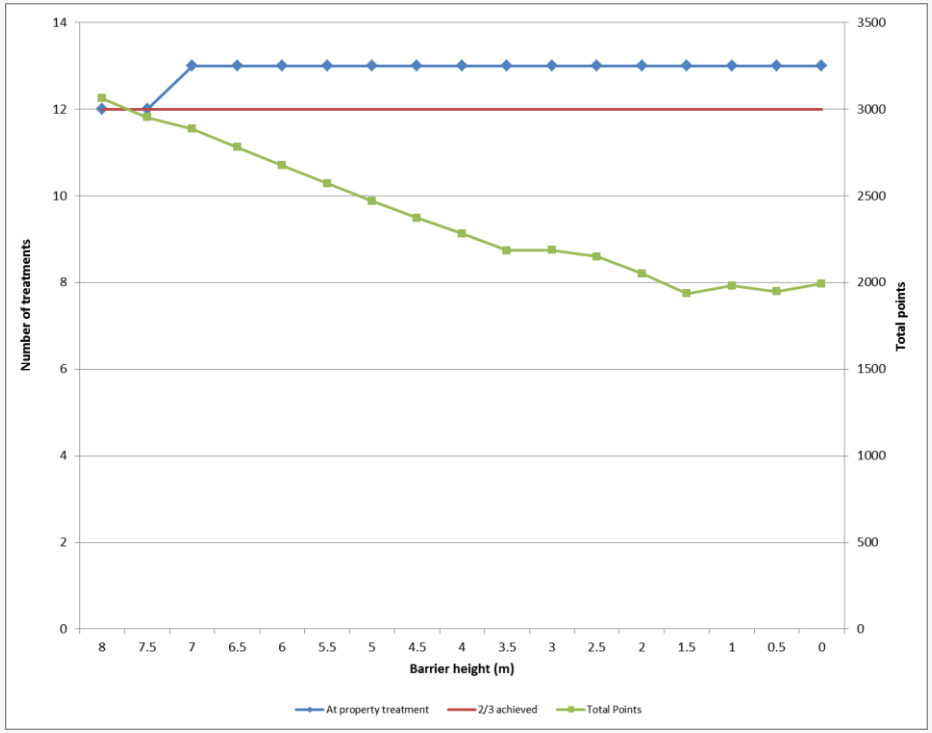
Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Yallah NB West side of new bypass from river in the south to where bypass goes into cutting	390	No barrier	-	-	11	
		Maximum barrier	8	7.0	9	
		Initial design barrier	4.5	4.3	10	
		Design barrier	4.5	4.3	10	
		Discussion:	Maximum barrier height of 8m does not achieve required insertion loss and is not reasonable. Design barrier height of 4.5m does not achieve the required insertion loss and is not reasonable. Barriers do not achieve required insertion loss as houses are set higher than road level.			
		Mitigation Outcome:	Same outcome as EIS. Barrier not a reasonable mitigation solution.			

Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Dapto NB 1 West side of Princes Motorway between Princes Highway overpass and Dapto NB2	215	No barrier	-	-	20	
		Maximum barrier	8	11.1	19	
		Initial design barrier	6	7.8	19	
		Design barrier	6.5	8.8	19	
		Discussion:	Houses set high above the road. Design barrier height of 6.5m achieves slightly less than the required 10dB insertion loss and achieves compliance at 1 residence.			
		Mitigation Outcome:	If visual impact and cost is acceptable, then 6.5m barrier is to be included.			

Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Dapto NB 2 West side of Princes Motorway between Dapto NB1 and start of existing barrier to the north	538	No barrier	-	-	31	
		Maximum barrier	8	14.7	16	
		Initial design barrier	6.5	13	19	
		Design barrier	6.5	13	19	
		Discussion:	The Maximum barrier height of 8m achieves required insertion loss, however there is minimum benefit in noise reduction over the Design barrier. The Maximum barrier is not reasonable to construct. The Design barrier of 6.5m achieves required insertion loss.			
		Mitigation Outcome:	If visual impact and cost is acceptable, then 6.5m barrier is reasonable to construct.			

Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Dapto NB 3 West side of Princes Motorway from southern end of the existing noise wall to northern project boundary	192	No barrier	-	-	20	
		Maximum barrier	8	14.2	14	
		Initial design barrier	7.5	13.6	15	
		Design barrier	8	14.2	14	
		Discussion:	The purpose of the Dapto NB3 barrier analysis is to consider the replacement of the existing barrier at this location. The barrier analysis determines a Design barrier of 8m. The 8m barrier provides more than 2.0dB benefit compared to the existing barrier, which meets the NMG requirement.			
		Mitigation Outcome:	If visual impact and cost is acceptable, then 8m barrier is reasonable to construct.			

Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Dapto SB 1 East side of Princes Mwy from southern end of the existing noise wall to northern project extent	411	No barrier	-	-	40	
		Maximum barrier	8	14.8	25	
		Initial design barrier	7	13.8	28	
		Design barrier	7.5	14.3	25	
		Discussion:	The purpose of the Dapto SB1 barrier analysis is to consider the replacement of the existing barrier at this location. The barrier analysis determines a Design barrier of 7.5m. The 7.5m barrier provides more than 2.0dB benefit compared to the existing noise wall, which meets the NMG requirement.			
		Mitigation Outcome:	If visual impact and cost is acceptable, then 7.5m barrier is reasonable to construct.			

Barrier name / description	Barrier length, m	Barrier design steps	Barrier height, m	Maximum insertion loss, dB	No. property treatments (addition of ground floor and first floor treatments)	NMG analysis graph
Dapto SB 2 East side of Princes Motorway from southern most house in Cormack Ave to meet existing noise wall in the north	230	No barrier	-	-	13	
		Maximum barrier	8	7	12	
		Initial design barrier	7.5	6.7	12	
		Design barrier	7.5	6.7	12	
		Discussion:	Maximum barrier height of 8m does not achieve the required insertion loss and is not reasonable to construct. Designer barrier height of 7.5m does not achieve the required insertion loss and is not reasonable to construct.			
		Mitigation Outcome:	Barrier not a reasonable mitigation solution.			

APPENDIX F Predicted road traffic noise level (with mitigation)

Albion Park Rail Bypass

Operational traffic noise assessment

With mitigation

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0001		Residential	G	S	59	54	58	53	59	55	59	54	-0.6	-0.8	-0.5	-1	60	55	NO	NO	NO
1	1_0002		Residential	G	S	59	54	58	53	60	55	59	54	-1	-1.2	-0.9	-1.5	60	55	NO	NO	NO
1	1_0003		Residential	G	W	61	56	60	54	61	57	60	55	-1.1	-1.4	-1	-1.7	60	55	NO	NO	NO
1	1_0004		Residential	G	W	59	54	58	53	60	55	59	53	-1.1	-1.4	-1	-1.5	60	55	NO	NO	NO
1	1_0005		Residential	G	SW	60	55	59	54	61	56	60	55	-1.1	-1.4	-1	-1.6	60	55	NO	NO	NO
1	1_0006		Residential	G	SW	62	57	60	55	62	58	61	56	-1.2	-1.4	-1.1	-1.6	60	55	NO	NO	NO
1	1_0007		Residential	G	SW	60	55	59	54	61	56	60	55	-1	-1.3	-0.9	-1.4	60	55	NO	NO	NO
1	1_0008		Residential	G	SW	62	57	60	55	62	58	61	56	-1.2	-1.5	-1.1	-1.6	60	55	NO	NO	NO
1	1_0009		Residential	G	NW	58	53	58	52	59	54	58	53	-0.6	-0.9	-0.5	-1.2	60	55	NO	NO	NO
1	1_0009		Residential	1	SW	60	56	60	55	61	56	60	55	-0.6	-1	-0.7	-1.1	60	55	NO	NO	NO
1	1_0010		Residential	G	SW	62	58	61	56	63	58	62	57	-1.2	-1.4	-1.2	-1.5	60	55	NO	NO	NO
1	1_0010		Residential	1	SW	63	59	62	57	64	59	63	58	-1.1	-1.4	-1	-1.3	60	55	NO	NO	NO
1	1_0011		Residential	G	W	59	54	58	53	60	55	59	54	-0.5	-0.8	-0.5	-1.1	60	55	NO	NO	NO
1	1_0012		Residential	G	SW	63	58	62	57	63	59	62	57	-1.2	-1.4	-1.1	-1.4	60	55	NO	NO	NO
1	1_0013		Residential	G	W	59	54	58	53	59	55	59	53	-0.7	-1	-0.6	-1.2	60	55	NO	NO	NO
1	1_0013		Residential	1	S	61	56	60	55	62	57	61	56	-0.7	-0.8	-0.6	-0.9	60	55	NO	NO	NO
1	1_0014		Residential	G	SW	63	59	62	57	64	59	63	58	-1.1	-1.3	-1	-1.3	60	55	NO	NO	NO
1	1_0014		Residential	1	SW	64	59	63	58	65	60	64	59	-1	-1.3	-0.9	-1.2	60	55	NO	NO	NO
1	1_0015		Residential	G	NW	57	52	57	52	58	54	58	52	-0.6	-0.9	-0.5	-1.3	60	55	NO	NO	NO
1	1_0015		Residential	1	SE	60	55	59	54	61	56	60	55	-1.1	-1.3	-1	-1.1	60	55	NO	NO	NO
1	1_0016		Residential	G	SW	64	59	63	58	64	60	63	59	-1.1	-1.4	-1.1	-1.3	60	55	NO	NO	NO
1	1_0017		Residential	G	SW	62	57	61	56	62	58	61	56	-0.9	-1.1	-0.8	-1.2	60	55	NO	NO	NO
1	1_0017		Residential	1	SW	63	58	62	57	64	59	63	58	-0.9	-1	-0.8	-1	60	55	NO	NO	NO
1	1_0018		Residential	G	W	63	57	63	57	64	60	64	57	-0.2	-0.4	-0.2	-3	60	55	NO	NO	NO
1	1_0018		Residential	1	W	65	58	64	58	65	61	65	58	-0.3	-0.4	-0.3	-2.8	60	55	NO	NO	NO
1	1_0019		Residential	G	W	64	58	64	57	64	61	64	58	-0.3	-0.5	-0.3	-2.8	60	55	NO	NO	NO
1	1_0020		Residential	G	W	63	56	62	56	63	59	63	57	-0.2	-0.3	-0.2	-2.8	60	55	NO	NO	NO
1	1_0020		Residential	1	W	64	58	64	57	64	61	64	58	-0.2	-0.5	-0.3	-2.8	60	55	NO	NO	NO
1	1_0021		Residential	G	S	62	57	62	56	63	59	62	56	-0.6	-0.8	-0.5	-2.3	60	55	NO	NO	NO
1	1_0021		Residential	1	S	63	58	63	57	64	60	63	57	-0.6	-0.9	-0.6	-2.2	60	55	NO	NO	NO
1	1_0022		Residential	G	S	62	56	61	55	62	58	62	56	-0.6	-0.9	-0.7	-2.2	60	55	NO	NO	NO
1	1_0022		Residential	1	S	63	57	62	56	63	59	63	57	-0.7	-0.9	-0.7	-2.1	60	55	NO	NO	NO
1	1_0023		Residential	G	S	62	56	61	55	62	58	62	56	-0.7	-1	-0.7	-2	60	55	NO	NO	NO
1	1_0023		Residential	1	S	63	58	62	56	63	59	63	57	-0.8	-1.1	-0.7	-2	60	55	NO	NO	NO
1	1_0024		Residential	G	W	69	63	69	63	70	66	70	63	0	0	0	-2.7	60	55	NO	NO	NO
1	1_0025		Residential	G	S	61	56	60	55	61	57	61	55	-0.9	-1.1	-0.8	-1.9	60	55	NO	NO	NO
1	1_0025		Residential	1	S	62	57	61	56	62	58	62	56	-0.7	-0.9	-0.7	-1.6	60	55	NO	NO	NO
1	1_0026		Residential	G	W	68	62	68	62	69	65	69	62	0	0	0.1	-2.7	60	55	NO	NO	NO
1	1_0027		Residential	G	S	61	56	60	55	62	57	61	55	-0.8	-1.1	-0.8	-1.7	60	55	NO	NO	NO
1	1_0027		Residential	1	S	62	57	61	56	62	58	62	56	-0.7	-0.9	-0.6	-1.7	60	55	NO	NO	NO
1	1_0028		Residential	G	W	66	60	66	60	66	63	66	60	0	0	0	-2.8	60	55	NO	NO	NO
1	1_0029		Residential	G	S	61	56	60	55	61	57	61	55	-0.8	-1.1	-0.8	-1.7	60	55	NO	NO	NO
1	1_0029		Residential	1	S	62	57	61	56	62	58	62	56	-0.7	-0.9	-0.6	-1.5	60	55	NO	NO	NO
1	1_0030		Residential	G	W	66	59	66	59	66	63	66	60	0	0	0.1	-2.8	60	55	NO	NO	NO
1	1_0031		Residential	G	S	60	55	59	54	61	56	60	55	-0.9	-1.1	-0.8	-1.5	60	55	NO	NO	NO
1	1_0031		Residential	1	S	62	57	61	56	62	58	62	57	-0.6	-0.9	-0.6	-1.3	60	55	NO	NO	NO
1	1_0032		Residential	G	NW	64	57	64	57	64	61	64	58	0	-0.1	0	-2.9	60	55	NO	NO	NO
1	1_0033		Residential	G	S	61	56	60	55	61	57	61	55	-0.6	-0.9	-0.6	-1.5	60	55	NO	NO	NO
1	1_0033		Residential	1	S	62	57	61	56	63	58	62	57	-0.6	-0.9	-0.5	-1.3	60	55	NO	NO	NO
1	1_0034		Residential	G	S	62	57	62	56	63	59	62	56	-0.5	-0.8	-0.5	-2.4	60	55	NO	NO	NO
1	1_0035		Residential	G	S	61	56	60	55	61	57	61	56	-0.6	-0.8	-0.6	-1.3	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0035		Residential	1	S	62	57	61	56	62	58	62	57	-0.6	-0.8	-0.5	-1.2	60	55	NO	NO	NO
1	1_0036		Residential	G	S	62	56	61	56	63	59	62	56	-0.6	-0.8	-0.5	-2.4	60	55	NO	NO	NO
1	1_0037		Residential	G	S	60	55	60	55	61	56	60	55	-0.5	-0.8	-0.6	-1.1	60	55	NO	NO	NO
1	1_0037		Residential	1	S	61	56	61	56	62	57	61	56	-0.5	-0.7	-0.4	-1	60	55	NO	NO	NO
1	1_0038		Residential	G	S	62	57	61	56	63	58	62	56	-0.7	-1.1	-0.7	-2	60	55	NO	NO	NO
1	1_0039		Residential	G	S	60	55	59	54	60	56	60	55	-0.5	-0.7	-0.4	-0.7	60	55	NO	NO	NO
1	1_0039		Residential	1	S	61	56	60	55	61	57	61	56	-0.5	-0.7	-0.4	-0.8	60	55	NO	NO	NO
1	1_0040		Residential	G	S	61	56	60	55	62	58	61	56	-1	-1.2	-0.9	-1.9	60	55	NO	NO	NO
1	1_0041		Residential	G	S	59	55	59	54	60	55	60	54	-0.6	-0.9	-0.6	-1	60	55	NO	NO	NO
1	1_0041		Residential	1	S	60	56	60	55	61	56	61	56	-0.5	-0.7	-0.4	-0.9	60	55	NO	NO	NO
1	1_0042		Residential	G	S	62	56	60	55	62	58	61	56	-1.1	-1.2	-1	-1.9	60	55	NO	NO	NO
1	1_0043		Residential	G	S	61	56	60	55	62	57	61	56	-1.1	-1.3	-0.9	-1.7	60	55	NO	NO	NO
1	1_0044		Residential	G	S	61	56	60	55	62	58	61	56	-1	-1.2	-1	-1.6	60	55	NO	NO	NO
1	1_0045		Residential	G	S	62	57	61	56	62	58	61	56	-1	-1.3	-1	-1.6	60	55	NO	NO	NO
1	1_0046		Residential	G	S	61	56	60	55	61	57	60	55	-1	-1.2	-1	-1.3	60	55	NO	NO	NO
1	1_0047		Residential	G	S	61	56	60	55	62	57	61	56	-1	-1.2	-0.9	-1.5	60	55	NO	NO	NO
1	1_0047		Residential	1	S	62	57	61	56	63	58	62	57	-0.7	-1	-0.8	-1.3	60	55	NO	NO	NO
1	1_0048		Residential	G	S	61	56	60	55	62	57	61	56	-1	-1.2	-0.9	-1.5	60	55	NO	NO	NO
1	1_0049		Residential	G	S	61	56	60	55	62	57	61	56	-0.8	-0.9	-0.7	-1	60	55	NO	NO	NO
1	1_0050		Residential	G	S	60	55	58	53	60	55	59	54	-1.1	-1.3	-1	-1.3	60	55	NO	NO	NO
1	1_0051		Residential	G	SW	60	55	59	54	61	56	60	55	-0.9	-1.1	-0.8	-1.3	60	55	NO	NO	NO
1	1_0052		Residential	G	SW	58	53	57	52	59	54	58	53	-1.1	-1.3	-1	-1.4	60	55	NO	NO	NO
1	1_0053		Residential	G	SE	58	53	56	51	59	54	57	52	-1.4	-1.6	-1.4	-1.6	60	55	NO	NO	NO
1	1_0054		Residential	G	SW	59	55	59	53	60	55	59	54	-0.8	-1.1	-0.7	-1.3	60	55	NO	NO	NO
1	1_0055		Residential	G	NW	55	50	55	50	56	51	56	51	0.2	-0.1	0.3	-0.5	60	55	NO	NO	NO
1	1_0056		Residential	G	W	71	64	71	64	71	67	71	65	0	0	0	-2.5	60	55	NO	NO	NO
1	1_0056		Residential	1	W	72	66	72	66	72	68	72	66	0	0	0.1	-2.4	60	55	NO	NO	NO
1	1_0057		Residential	G	W	71	65	72	65	72	68	72	66	0.1	0.1	0	-1.8	60	55	NO	NO	NO
1	1_0058		Residential	G	W	66	60	66	60	66	62	66	60	0	-0.1	0	-1.9	60	55	NO	NO	NO
1	1_0059		Residential	G	S	61	55	60	54	61	57	61	55	-0.4	-0.5	-0.4	-2.7	60	55	NO	NO	NO
1	1_0059		Residential	1	W	63	57	63	56	63	60	63	57	-0.3	-0.5	-0.3	-3.2	60	55	NO	NO	NO
1	1_0060		Residential	G	N	63	57	63	57	63	60	63	57	0	-0.1	-0.1	-2.9	60	55	NO	NO	NO
1	1_0061		Residential	G	S	59	53	59	53	59	56	59	53	-0.1	-0.2	-0.1	-2.5	60	55	NO	NO	NO
1	1_0061		Residential	1	S	61	55	61	55	62	58	61	55	-0.3	-0.6	-0.2	-2.6	60	55	NO	NO	NO
1	1_0062		Residential	G	S	62	56	62	55	62	59	62	56	-0.2	-0.4	-0.2	-2.7	60	55	NO	NO	NO
1	1_0062		Residential	1	S	63	57	63	57	64	60	63	57	-0.3	-0.5	-0.3	-2.6	60	55	NO	NO	NO
1	1_0063		Residential	G	S	62	56	61	55	62	58	62	56	-0.2	-0.6	-0.2	-2.6	60	55	NO	NO	NO
1	1_0063		Residential	1	S	63	57	62	56	63	59	63	57	-0.4	-0.6	-0.4	-2.4	60	55	NO	NO	NO
1	1_0064		Residential	G	S	56	50	56	50	56	53	56	50	-0.3	-0.6	-0.3	-2.4	60	55	NO	NO	NO
1	1_0064		Residential	1	S	60	54	60	53	60	57	60	54	-0.3	-0.5	-0.3	-2.6	60	55	NO	NO	NO
1	1_0065		Residential	G	S	62	56	61	55	62	58	62	56	-0.5	-0.7	-0.4	-2.2	60	55	NO	NO	NO
1	1_0066		Residential	G	S	62	56	61	55	62	58	62	56	-0.4	-0.7	-0.4	-1.9	60	55	NO	NO	NO
1	1_0067		Residential	G	S	59	54	59	53	59	55	59	54	-0.1	-0.4	0	-1.3	60	55	NO	NO	NO
1	1_0068		Residential	G	S	61	56	61	55	62	58	61	56	-0.5	-0.7	-0.4	-1.7	60	55	NO	NO	NO
1	1_0069		Residential	G	S	60	55	60	54	61	57	60	55	-0.7	-1.1	-0.7	-2	60	55	NO	NO	NO
1	1_0069		Residential	1	S	62	57	61	56	63	58	62	57	-0.6	-0.9	-0.6	-1.8	60	55	NO	NO	NO
1	1_0070		Residential	G	S	59	54	58	53	59	55	59	54	-0.5	-0.7	-0.5	-1.3	60	55	NO	NO	NO
1	1_0071		Residential	G	S	58	53	57	52	59	54	58	53	-0.7	-0.8	-0.6	-1.3	60	55	NO	NO	NO
1	1_0071		Residential	1	S	61	56	60	55	61	57	61	56	-0.4	-0.7	-0.4	-1.1	60	55	NO	NO	NO
1	1_0072		Residential	G	E	54	49	53	48	54	50	54	49	-0.4	-0.5	-0.3	-0.6	60	55	NO	NO	NO
1	1_0073		Residential	G	E	54	49	54	49	55	50	54	49	-0.6	-0.6	-0.5	-0.7	60	55	NO	NO	NO
1	1_0074		Residential	G	S	51	46	51	45	52	48	51	46	-0.6	-0.9	-0.5	-1.8	60	55	NO	NO	NO
1	1_0074		Residential	1	W	58	53	58	52	59	54	58	52	-0.5	-0.9	-0.4	-2	60	55	NO	NO	NO
1	1_0075		Residential	G	W	56	51	55	50	57	52	56	50	-0.6	-1.1	-0.7	-2.1	60	55	NO	NO	NO
1	1_0076		Residential	G	W	57	52	56	50	58	54	57	51	-1	-1.4	-0.9	-2.5	60	55	NO	NO	NO
1	1_0077		Residential	G	W	50	45	49	43	50	46	50	44	-0.8	-1.2	-0.8	-2.2	60	55	NO	NO	NO
1	1_0077		Residential	1	W	59	53	58	52	59	55	59	53	-0.3	-0.8	-0.3	-2.5	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0078		Residential	G	S	58	52	58	52	58	55	58	52	-0.4	-0.6	-0.3	-2.7	60	55	NO	NO	NO
1	1_0079		Residential	G	S	64	58	63	57	64	60	64	58	-0.6	-0.8	-0.5	-2.2	60	55	NO	NO	NO
1	1_0079		Residential	1	S	64	59	64	58	65	61	64	58	-0.4	-0.8	-0.5	-2.1	60	55	NO	NO	NO
1	1_0080		Residential	G	S	62	57	62	56	63	59	62	57	-0.5	-0.8	-0.4	-2	60	55	NO	NO	NO
1	1_0081		Residential	G	S	63	58	62	57	63	59	63	57	-0.7	-0.9	-0.6	-2	60	55	NO	NO	NO
1	1_0082		Residential	G	S	63	57	62	56	63	59	63	57	-0.6	-0.9	-0.5	-1.7	60	55	NO	NO	NO
1	1_0082		Residential	1	S	63	58	63	57	64	59	63	58	-0.6	-0.9	-0.5	-1.7	60	55	NO	NO	NO
1	1_0083		Residential	G	S	62	57	61	56	62	58	62	56	-0.5	-0.7	-0.4	-1.4	60	55	NO	NO	NO
1	1_0083		Residential	1	S	62	57	62	56	63	58	62	57	-0.6	-0.8	-0.5	-1.4	60	55	NO	NO	NO
1	1_0084		Residential	G	S	61	56	61	56	62	58	62	56	-0.3	-0.6	-0.3	-1.1	60	55	NO	NO	NO
1	1_0085		Residential	G	S	61	56	61	55	62	57	61	56	-0.3	-0.6	-0.3	-0.9	60	55	NO	NO	NO
1	1_0085		Residential	1	S	62	57	61	56	62	58	62	57	-0.4	-0.6	-0.3	-1.1	60	55	NO	NO	NO
1	1_0086		Residential	G	S	61	56	61	56	62	58	62	56	-0.4	-0.6	-0.4	-1.2	60	55	NO	NO	NO
1	1_0087		Residential	G	S	59	54	58	53	60	55	59	54	-1	-1.2	-0.9	-1.1	60	55	NO	NO	NO
1	1_0088		Residential	G	S	61	56	60	55	61	57	61	56	-0.4	-0.7	-0.4	-1	60	55	NO	NO	NO
1	1_0089		Residential	G	S	56	51	55	50	56	52	55	50	-1.2	-1.4	-1.1	-1.5	60	55	NO	NO	NO
1	1_0089		Residential	1	S	59	54	58	53	59	55	58	53	-1.1	-1.3	-1.1	-1.4	60	55	NO	NO	NO
1	1_0090		Residential	G	SW	58	53	57	52	59	54	58	53	-0.7	-0.9	-0.6	-1	60	55	NO	NO	NO
1	1_0091		Residential	G	SW	58	53	57	52	59	54	58	53	-1	-1.2	-0.9	-1.2	60	55	NO	NO	NO
1	1_0092		Residential	G	SE	58	54	58	53	59	54	58	53	-0.8	-1	-0.7	-1	60	55	NO	NO	NO
1	1_0093		Residential	G	S	59	54	58	53	59	54	59	54	-0.7	-0.9	-0.7	-0.9	60	55	NO	NO	NO
1	1_0094		Residential	G	S	59	54	58	53	59	55	58	53	-1.1	-1.3	-1	-1.3	60	55	NO	NO	NO
1	1_0095		Residential	G	S	58	53	57	52	59	54	58	53	-0.9	-1.1	-0.9	-1.2	60	55	NO	NO	NO
1	1_0096		Residential	G	W	55	50	54	49	56	51	54	49	-1.4	-1.6	-1.3	-1.5	60	55	NO	NO	NO
1	1_0097		Residential	G	S	57	52	56	51	57	52	56	51	-1	-1.2	-0.9	-1.1	60	55	NO	NO	NO
1	1_0098		Residential	G	SE	56	51	54	50	56	51	55	50	-1.1	-1.2	-1	-1	60	55	NO	NO	NO
1	1_0098		Residential	1	SE	58	53	57	52	58	54	58	53	-0.9	-1.1	-0.9	-1.1	60	55	NO	NO	NO
1	1_0099		Residential	G	S	57	52	56	51	57	53	56	51	-1	-1.2	-1	-1.2	60	55	NO	NO	NO
1	1_0100		Residential	G	S	57	52	56	51	57	53	56	51	-1	-1.2	-0.9	-1.2	60	55	NO	NO	NO
1	1_0100		Residential	1	S	58	53	57	52	58	53	58	52	-0.7	-1	-0.6	-1	60	55	NO	NO	NO
1	1_0101		Residential	G	SW	56	52	56	51	57	52	56	51	-0.8	-1	-0.8	-1	60	55	NO	NO	NO
1	1_0101		Residential	1	SW	57	52	57	52	58	53	58	52	-0.4	-0.7	-0.3	-0.7	60	55	NO	NO	NO
1	1_0102		Residential	G	SW	56	51	56	51	57	52	56	51	-0.4	-0.7	-0.4	-0.7	60	55	NO	NO	NO
1	1_0102		Residential	1	SW	57	53	57	52	58	53	58	53	-0.4	-0.6	-0.3	-0.7	60	55	NO	NO	NO
1	1_0103		Residential	G	S	57	52	56	51	57	53	57	52	-0.4	-0.7	-0.4	-0.8	60	55	NO	NO	NO
1	1_0103		Residential	1	S	58	53	57	52	58	53	58	53	-0.5	-0.8	-0.5	-0.9	60	55	NO	NO	NO
1	1_0104		Residential	G	SW	56	52	56	51	57	52	57	52	-0.2	-0.5	-0.1	-0.6	60	55	NO	NO	NO
1	1_0104		Residential	1	SW	57	52	57	52	58	53	57	52	-0.3	-0.6	-0.2	-0.8	60	55	NO	NO	NO
1	1_0105		Residential	G	S	56	51	56	51	57	52	57	52	-0.1	-0.5	0	-0.7	60	55	NO	NO	NO
1	1_0105		Residential	1	S	57	52	57	51	57	53	57	52	-0.3	-0.5	-0.1	-0.8	60	55	NO	NO	NO
1	1_0106		Residential	G	S	57	52	57	52	58	53	57	52	-0.5	-0.8	-0.4	-0.8	60	55	NO	NO	NO
1	1_0107		Residential	G	S	55	51	54	49	56	51	55	50	-1.3	-1.5	-1.2	-1.5	60	55	NO	NO	NO
1	1_0108		Residential	G	S	56	51	56	51	57	52	57	52	-0.2	-0.4	-0.1	-0.5	60	55	NO	NO	NO
1	1_0109		Residential	G	SE	54	49	53	48	54	50	54	48	-0.9	-1.3	-0.9	-1.3	60	55	NO	NO	NO
1	1_0109		Residential	1	SW	57	52	57	51	57	53	57	52	-0.1	-0.5	-0.1	-0.7	60	55	NO	NO	NO
1	1_0110		Residential	G	W	55	50	55	50	56	51	56	51	0	-0.2	0.1	-0.6	60	55	NO	NO	NO
1	1_0110		Residential	1	S	57	52	57	52	58	53	58	52	-0.2	-0.5	-0.2	-0.8	60	55	NO	NO	NO
1	1_0111		Residential	G	SW	55	50	56	50	56	51	56	51	0.2	0	0.2	-0.4	60	55	NO	NO	NO
1	1_0112		Residential	G	W	57	52	57	51	57	53	57	52	-0.2	-0.4	-0.1	-0.8	60	55	NO	NO	NO
1	1_0113		Residential	G	W	57	52	57	51	58	53	57	52	-0.3	-0.5	-0.2	-1	60	55	NO	NO	NO
1	1_0114		Residential	G	SW	55	51	54	49	56	51	55	50	-1.2	-1.4	-1.1	-1.5	60	55	NO	NO	NO
1	1_0115		Residential	G	NW	54	49	54	49	55	50	55	50	0.4	0.1	0.4	-0.4	60	55	NO	NO	NO
1	1_0115		Residential	1	SW	57	52	57	52	58	53	58	53	-0.4	-0.6	-0.3	-0.9	60	55	NO	NO	NO
1	1_0116	Echidna Children's Centre	Childcare Sleeping	G	S	58	53	57	52	58	53	58	53	-0.6	-0.7	-0.5	-0.8	45	-	NO	-	YES
1	1_0117		Residential	G	S	57	52	56	51	58	53	57	52	-1	-1.1	-0.8	-1.1	60	55	NO	NO	NO
1	1_0118		Residential	G	S	56	51	55	50	56	52	56	51	-0.8	-0.9	-0.7	-1	60	55	NO	NO	NO
1	1_0119		Residential	G	S	56	52	56	51	57	52	56	51	-0.8	-1	-0.7	-1	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
1	1_0119		Residential	1	S	58	53	57	52	58	54	58	53	-0.3	-0.6	-0.3	-0.6	60	55	NO	NO	NO
1	1_0120		Residential	G	S	57	52	57	52	58	53	58	52	-0.4	-0.7	-0.3	-0.7	60	55	NO	NO	NO
1	1_0120		Residential	1	S	58	53	58	52	59	54	58	53	-0.4	-0.7	-0.4	-0.8	60	55	NO	NO	NO
1	1_0121		Residential	G	S	57	52	57	52	58	53	58	52	-0.3	-0.6	-0.3	-0.7	60	55	NO	NO	NO
1	1_0121		Residential	1	S	58	53	58	52	59	54	58	53	-0.4	-0.7	-0.4	-0.9	60	55	NO	NO	NO
1	1_0122		Residential	G	S	57	52	57	51	58	53	57	52	-0.3	-0.6	-0.3	-0.8	60	55	NO	NO	NO
1	1_0122		Residential	1	S	58	53	57	52	58	54	58	53	-0.4	-0.6	-0.3	-0.9	60	55	NO	NO	NO
2	2_0001		Residential	G	N	52	47	58	53	53	47	59	54	5.8	6.3	6	6.4	55	50	NO	NO	YES
3	3_0001		Residential	G	SE	54	48	53	48	54	48	53	48	-0.8	-0.1	-0.6	-0.3	55	50	NO	NO	NO
3	3_0001		Residential	1	SW	57	51	55	49	58	52	55	50	-2.6	-1.6	-2.5	-1.6	55	50	NO	NO	NO
3	3_0002		Residential	G	SE	56	50	54	49	56	50	55	50	-1.9	-0.9	-1.8	-0.9	55	50	NO	NO	NO
3	3_0003		Residential	G	SE	56	50	54	49	56	50	54	49	-2.1	-1	-2	-1	55	50	NO	NO	NO
3	3_0004		Residential	G	SE	56	50	54	49	57	51	55	49	-2.3	-1.2	-2.1	-1.1	55	50	NO	NO	NO
3	3_0005		Residential	G	SE	56	50	54	49	57	51	54	49	-2.4	-1.3	-2.3	-1.3	55	50	NO	NO	NO
3	3_0006		Residential	G	SE	56	49	54	48	56	50	54	49	-2.2	-1	-2.1	-1	55	50	NO	NO	NO
3	3_0007		Residential	G	SE	57	50	54	49	57	51	55	49	-2.6	-1.4	-2.4	-1.4	55	50	NO	NO	NO
3	3_0008		Residential	G	SE	56	50	54	49	57	51	54	49	-2.5	-1.4	-2.4	-1.3	55	50	NO	NO	NO
3	3_0009		Residential	G	SE	56	50	54	49	57	50	54	49	-2.5	-1.3	-2.4	-1.3	55	50	NO	NO	NO
3	3_0010		Residential	G	S	57	50	54	49	57	51	55	49	-2.8	-1.5	-2.6	-1.6	55	50	NO	NO	NO
3	3_0011		Residential	G	S	57	50	54	49	57	51	55	49	-2.7	-1.5	-2.6	-1.5	55	50	NO	NO	NO
3	3_0012		Residential	G	S	57	50	54	49	57	51	55	50	-2.6	-1.4	-2.5	-1.5	55	50	NO	NO	NO
3	3_0013		Residential	G	S	55	49	53	48	56	50	54	49	-1.6	-0.5	-1.4	-0.5	55	50	NO	NO	NO
3	3_0014		Residential	G	S	56	50	54	49	57	51	55	50	-2.5	-1.3	-2.3	-1.2	55	50	NO	NO	NO
3	3_0015		Residential	G	S	56	50	54	49	57	51	55	49	-2.2	-1.1	-2.1	-1.1	55	50	NO	NO	NO
3	3_0016		Residential	G	S	56	50	54	49	57	51	55	50	-2	-0.9	-1.9	-1	55	50	NO	NO	NO
3	3_0017		Residential	G	S	56	49	54	49	56	50	54	49	-1.8	-0.7	-1.6	-0.6	55	50	NO	NO	NO
3	3_0018		Residential	1	S	56	50	55	50	57	51	55	50	-1.8	-0.7	-1.7	-0.7	55	50	NO	NO	NO
3	3_0019		Residential	G	S	56	49	54	49	56	50	55	50	-1.7	-0.6	-1.5	-0.6	55	50	NO	NO	NO
3	3_0020		Residential	G	S	55	49	54	49	56	50	55	49	-1.4	-0.3	-1.3	-0.3	55	50	NO	NO	NO
3	3_0020		Residential	1	S	56	50	55	50	57	51	55	50	-1.7	-0.6	-1.6	-0.7	55	50	NO	NO	NO
3	3_0021		Residential	G	E	55	50	53	48	55	51	53	48	-2	-2.3	-2.1	-2.4	55	50	NO	NO	NO
3	3_0022		Residential	G	E	54	49	52	47	55	50	53	48	-1.7	-1.9	-1.6	-2	55	50	NO	NO	NO
3	3_0023		Residential	G	E	54	49	52	47	54	50	53	48	-1.4	-1.5	-1.3	-1.6	55	50	NO	NO	NO
3	3_0024		Residential	G	W	55	49	52	47	55	50	53	48	-2.2	-1.8	-2.2	-1.8	55	50	NO	NO	NO
3	3_0025		Residential	G	E	53	48	52	47	54	49	53	48	-1	-0.9	-0.9	-1	55	50	NO	NO	NO
3	3_0026		Residential	G	W	55	49	53	48	55	50	53	48	-1.8	-1.5	-1.8	-1.5	55	50	NO	NO	NO
3	3_0027		Residential	G	SW	55	49	53	48	55	49	54	49	-1.7	-0.7	-1.6	-0.7	55	50	NO	NO	NO
3	3_0028		Residential	G	S	54	48	53	48	54	48	54	49	-0.5	0.4	-0.4	0.3	55	50	NO	NO	NO
3	3_0029		Residential	G	S	54	48	53	48	54	49	54	49	-0.6	0.2	-0.5	0.2	55	50	NO	NO	NO
3	3_0030		Residential	G	S	54	48	53	48	54	48	54	49	-0.5	0.3	-0.4	0.3	55	50	NO	NO	NO
3	3_0031		Residential	G	S	54	48	53	48	54	48	54	49	-0.5	0.4	-0.4	0.3	55	50	NO	NO	NO
3	3_0032		Residential	G	S	53	47	53	48	53	47	54	48	0.1	1.2	0.3	1.1	55	50	NO	NO	NO
3	3_0032		Residential	1	S	56	50	54	49	56	50	54	49	-2.2	-1.1	-2.1	-1.1	55	50	NO	NO	NO
3	3_0033		Residential	G	S	54	48	53	48	55	49	54	49	-1.3	-0.2	-1.1	-0.3	55	50	NO	NO	NO
3	3_0034		Residential	G	S	55	48	53	48	55	49	54	49	-1.4	-0.4	-1.3	-0.4	55	50	NO	NO	NO
3	3_0035		Residential	G	S	54	48	53	48	55	49	54	49	-1.2	-0.2	-1	-0.1	55	50	NO	NO	NO
3	3_0036		Residential	G	S	54	48	53	48	55	49	54	49	-0.9	0	-0.8	0.1	55	50	NO	NO	NO
3	3_0037		Residential	G	S	54	48	53	48	54	48	54	49	-0.8	0.2	-0.7	0.2	55	50	NO	NO	NO
3	3_0038		Residential	G	S	53	47	53	48	54	48	54	49	-0.2	0.7	0	0.8	55	50	NO	NO	NO
3	3_0039		Residential	G	S	53	47	53	48	53	48	54	49	0	0.9	0.2	1	55	50	NO	NO	NO
3	3_0040		Residential	G	S	53	47	53	48	53	47	54	48	0.2	1	0.3	1	55	50	NO	NO	NO
3	3_0041		Residential	G	S	53	47	53	48	53	47	53	48	0.2	1	0.3	1	55	50	NO	NO	NO
3	3_0042		Residential	G	S	52	47	53	48	53	47	53	48	0.2	1	0.2	0.9	55	50	NO	NO	NO
3	3_0043		Residential	G	SW	53	47	52	47	54	48	53	48	-0.8	-0.1	-0.8	-0.1	55	50	NO	NO	NO
3	3_0044		Residential	G	W	54	48	52	47	54	49	53	48	-1.5	-1	-1.4	-1	55	50	NO	NO	NO
3	3_0045		Residential	G	W	53	48	52	47	54	48	53	48	-0.8	-0.4	-0.8	-0.4	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0046		Residential	G	W	54	48	52	47	54	49	52	47	-1.8	-1.2	-1.7	-1.2	55	50	NO	NO	NO
3	3_0047		Residential	G	S	52	46	52	47	53	47	53	48	0	0.7	0.1	0.6	55	50	NO	NO	NO
3	3_0048		Residential	G	S	51	46	52	47	52	46	52	47	0.7	1.2	0.8	1.1	55	50	NO	NO	NO
3	3_0049		Residential	G	SW	52	47	52	47	53	47	53	48	-0.2	0.3	-0.1	0.3	55	50	NO	NO	NO
3	3_0050		Residential	G	W	53	48	52	47	54	49	52	47	-1.5	-1	-1.5	-1.1	55	50	NO	NO	NO
3	3_0051		Residential	G	W	54	48	52	47	54	49	53	48	-1.6	-1.1	-1.6	-1.1	55	50	NO	NO	NO
3	3_0052		Residential	G	S	51	46	52	47	52	46	53	47	0.6	1.1	0.7	1	55	50	NO	NO	NO
3	3_0053		Residential	G	S	51	46	52	47	52	47	53	48	0.6	1.1	0.7	1	55	50	NO	NO	NO
3	3_0054		Residential	G	SW	52	47	52	47	53	47	53	48	-0.1	0.4	0	0.4	55	50	NO	NO	NO
3	3_0055		Residential	G	SE	52	46	52	47	53	47	53	48	0	0.6	0.1	0.6	55	50	NO	NO	NO
3	3_0056		Residential	G	SE	52	46	52	47	52	47	53	48	0.5	1	0.6	1	55	50	NO	NO	NO
3	3_0057		Residential	G	S	52	46	52	47	52	47	53	48	0.4	1.1	0.5	1	55	50	NO	NO	NO
3	3_0058		Residential	G	S	52	46	52	47	52	47	53	48	0.5	1.1	0.6	1.1	55	50	NO	NO	NO
3	3_0059		Residential	G	S	51	46	52	47	52	46	53	47	0.6	1.2	0.7	1.1	55	50	NO	NO	NO
3	3_0060		Residential	G	S	51	45	52	47	52	46	52	47	0.8	1.4	0.9	1.4	55	50	NO	NO	NO
3	3_0061		Residential	G	S	51	45	52	47	51	46	52	47	0.9	1.3	0.9	1.2	55	50	NO	NO	NO
3	3_0062		Residential	G	SE	51	46	52	47	52	47	52	47	0.2	0.6	0.3	0.6	55	50	NO	NO	NO
3	3_0063		Residential	G	S	55	49	54	49	56	50	55	50	-1.5	-0.5	-1.4	-0.4	55	50	NO	NO	NO
3	3_0064		Residential	G	S	55	49	54	49	56	50	55	50	-1.4	-0.4	-1.4	-0.4	55	50	NO	NO	NO
3	3_0065		Residential	G	S	54	48	53	48	55	49	54	49	-0.7	0.2	-0.7	0.2	55	50	NO	NO	NO
3	3_0066		Residential	G	S	55	49	54	49	55	49	54	49	-1.1	-0.1	-1	-0.1	55	50	NO	NO	NO
3	3_0067		Residential	G	S	55	49	54	49	56	50	54	49	-1.4	-0.4	-1.3	-0.3	55	50	NO	NO	NO
3	3_0068		Residential	G	S	55	49	54	48	55	49	54	49	-1.4	-0.4	-1.3	-0.4	55	50	NO	NO	NO
3	3_0069		Residential	G	S	55	49	54	48	55	49	54	49	-1.4	-0.3	-1.3	-0.4	55	50	NO	NO	NO
3	3_0070		Residential	G	S	55	49	54	48	55	49	54	49	-1.4	-0.4	-1.3	-0.4	55	50	NO	NO	NO
3	3_0071		Residential	G	S	55	49	53	48	55	49	54	49	-1.4	-0.4	-1.3	-0.5	55	50	NO	NO	NO
3	3_0072		Residential	G	S	55	49	53	48	55	49	54	49	-1.5	-0.5	-1.4	-0.6	55	50	NO	NO	NO
3	3_0073		Residential	G	SE	53	47	53	48	53	47	53	48	0.1	0.9	0.2	0.8	55	50	NO	NO	NO
3	3_0074		Residential	G	S	53	47	53	48	54	48	54	48	-0.1	0.7	0	0.7	55	50	NO	NO	NO
3	3_0075		Residential	G	S	53	47	53	48	54	48	54	48	-0.1	0.8	0	0.7	55	50	NO	NO	NO
3	3_0076		Residential	G	S	53	47	53	48	53	48	54	48	0.1	1	0.2	0.9	55	50	NO	NO	NO
3	3_0077		Residential	G	S	53	47	53	48	53	47	53	48	0.1	1	0.2	1	55	50	NO	NO	NO
3	3_0078		Residential	G	S	53	47	53	48	53	47	53	48	0.1	1	0.2	1	55	50	NO	NO	NO
3	3_0079		Residential	G	S	53	47	53	48	53	47	53	48	0.1	0.9	0.2	1	55	50	NO	NO	NO
3	3_0080		Residential	G	S	52	46	52	47	53	47	53	48	0	0.8	0.1	0.8	55	50	NO	NO	NO
3	3_0081		Residential	G	S	54	48	53	48	55	49	54	49	-1.3	-0.3	-1.2	-0.4	55	50	NO	NO	NO
3	3_0082		Residential	G	S	55	49	53	48	56	50	54	49	-1.6	-0.7	-1.5	-0.7	55	50	NO	NO	NO
3	3_0083		Residential	G	S	54	48	53	48	55	49	54	49	-1.2	-0.2	-1.1	-0.1	55	50	NO	NO	NO
3	3_0083		Residential	1	S	56	50	54	49	57	51	55	50	-2	-1.1	-1.9	-1.1	55	50	NO	NO	NO
3	3_0084		Residential	G	S	55	49	53	48	56	50	54	49	-1.8	-0.9	-1.7	-0.9	55	50	NO	NO	NO
3	3_0085		Residential	G	S	55	49	53	48	56	50	54	49	-1.9	-1	-1.8	-1.1	55	50	NO	NO	NO
3	3_0086		Residential	G	S	55	49	53	48	55	49	54	49	-1.8	-0.9	-1.7	-0.9	55	50	NO	NO	NO
3	3_0087		Residential	G	S	56	50	53	48	56	51	54	49	-2.4	-1.8	-2.3	-1.7	55	50	NO	NO	NO
3	3_0088		Residential	G	S	57	51	53	48	57	52	54	49	-3.4	-3	-3.2	-3	55	50	NO	NO	NO
3	3_0089		Residential	G	S	57	52	53	48	57	52	53	48	-4.3	-4.1	-4.1	-4	55	50	NO	NO	NO
3	3_0090		Residential	G	S	56	51	52	47	56	51	53	48	-3.7	-3.9	-3.6	-3.8	55	50	NO	NO	NO
3	3_0091		Residential	G	S	54	49	52	47	55	50	53	48	-2.2	-2.1	-2.1	-1.9	55	50	NO	NO	NO
3	3_0092		Residential	G	S	54	48	52	47	54	49	53	48	-1.2	-0.8	-1.1	-0.7	55	50	NO	NO	NO
3	3_0093		Residential	G	S	53	48	52	47	54	48	53	48	-1	-0.4	-0.8	-0.3	55	50	NO	NO	NO
3	3_0094		Residential	G	S	53	47	52	47	53	48	53	48	-0.7	0.1	-0.5	0.1	55	50	NO	NO	NO
3	3_0095		Residential	G	S	53	47	53	47	53	48	53	48	-0.3	0.4	-0.2	0.4	55	50	NO	NO	NO
3	3_0096		Residential	G	S	53	47	53	47	53	48	53	48	-0.3	0.4	-0.2	0.4	55	50	NO	NO	NO
3	3_0097		Residential	G	S	53	47	53	48	53	48	53	48	-0.2	0.7	0	0.6	55	50	NO	NO	NO
3	3_0098		Residential	G	S	55	49	53	48	56	50	54	49	-1.9	-0.9	-1.8	-1	55	50	NO	NO	NO
3	3_0099		Residential	G	E	59	54	51	46	59	55	52	47	-7.6	-8.3	-7.4	-8.2	55	50	NO	NO	NO
3	3_0100		Residential	G	E	59	55	52	47	60	56	52	47	-7.9	-8.7	-7.7	-8.5	55	50	NO	NO	NO
3	3_0101		Residential	G	E	59	55	52	47	59	55	52	47	-7.4	-8.2	-7.3	-8.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0102		Residential	G	E	59	55	52	47	60	56	53	47	-7.4	-8.2	-7.2	-8.1	55	50	NO	NO	NO
3	3_0103		Residential	G	E	58	54	52	47	59	54	53	48	-6.2	-6.9	-6	-6.8	55	50	NO	NO	NO
3	3_0104		Residential	G	S	56	50	53	48	56	51	53	48	-2.9	-2.7	-2.8	-2.5	55	50	NO	NO	NO
3	3_0105		Residential	G	S	54	48	52	47	54	48	53	48	-1.5	-0.8	-1.4	-0.7	55	50	NO	NO	NO
3	3_0106		Residential	G	S	54	48	52	47	54	48	53	48	-1.3	-0.6	-1.2	-0.6	55	50	NO	NO	NO
3	3_0106		Residential	1	S	56	50	53	48	56	51	54	49	-2.4	-1.7	-2.3	-1.7	55	50	NO	NO	NO
3	3_0107		Residential	G	S	54	48	53	47	55	49	53	48	-1.6	-0.8	-1.5	-0.8	55	50	NO	NO	NO
3	3_0108		Residential	G	S	53	47	52	47	54	48	53	47	-1.1	-0.2	-1	-0.2	55	50	NO	NO	NO
3	3_0109		Residential	G	S	54	48	53	48	55	49	53	48	-1.5	-0.6	-1.4	-0.6	55	50	NO	NO	NO
3	3_0110		Residential	G	S	54	48	53	47	54	48	53	48	-1.1	-0.2	-1	-0.2	55	50	NO	NO	NO
3	3_0111		Residential	G	S	54	48	53	48	55	49	54	48	-1.3	-0.3	-1.2	-0.4	55	50	NO	NO	NO
3	3_0112		Residential	G	S	54	48	53	48	54	48	53	48	-1.1	-0.1	-1	-0.1	55	50	NO	NO	NO
3	3_0113		Residential	G	S	54	48	53	48	55	49	54	49	-1.2	-0.3	-1.2	-0.3	55	50	NO	NO	NO
3	3_0114		Residential	G	S	54	48	53	48	55	49	54	48	-1	-0.1	-0.9	-0.1	55	50	NO	NO	NO
3	3_0115		Residential	G	S	55	48	54	48	55	49	54	49	-0.9	0	-0.9	0	55	50	NO	NO	NO
3	3_0116		Residential	G	S	54	48	53	48	54	48	54	48	-0.8	0.2	-0.7	0.2	55	50	NO	NO	NO
3	3_0117		Residential	G	S	55	48	54	48	55	49	54	49	-0.9	0.2	-0.8	0.2	55	50	NO	NO	NO
3	3_0118		Residential	G	S	55	48	54	48	55	49	54	49	-0.8	0.3	-0.7	0.4	55	50	NO	NO	NO
3	3_0119		Residential	G	S	54	48	54	48	55	49	54	49	-0.6	0.4	-0.6	0.4	55	50	NO	NO	NO
3	3_0120		Residential	G	S	55	48	54	49	55	49	55	49	-0.6	0.4	-0.5	0.4	55	50	NO	NO	NO
3	3_0121		Residential	G	S	54	47	53	48	54	48	54	49	-0.3	0.8	-0.2	0.8	55	50	NO	NO	NO
3	3_0122		Residential	G	S	53	47	53	48	54	47	54	49	0.2	1.4	0.3	1.5	55	50	NO	NO	NO
3	3_0122		Residential	1	S	56	49	55	49	56	50	55	50	-0.8	0.2	-0.7	0.2	55	50	NO	NO	NO
3	3_0123		Residential	G	W	52	46	52	47	53	46	53	47	-0.1	1	-0.3	0.8	55	50	NO	NO	NO
3	3_0123		Residential	1	S	55	49	54	49	56	49	55	49	-0.8	0.2	-0.7	0.3	55	50	NO	NO	NO
3	3_0124		Residential	G	S	54	47	54	49	54	48	55	50	0.5	1.6	0.6	1.6	55	50	NO	NO	NO
3	3_0125		Residential	G	S	49	43	52	46	50	44	52	47	2.3	3.3	2.4	3.4	55	50	NO	NO	NO
3	3_0125		Residential	1	S	53	47	53	48	53	47	54	49	0.5	1.5	0.5	1.5	55	50	NO	NO	NO
3	3_0126		Residential	G	W	51	45	51	46	52	45	52	46	0	0.9	-0.3	0.8	55	50	NO	NO	NO
3	3_0127		Residential	G	W	52	45	51	46	53	46	52	47	-0.3	0.6	-0.5	0.5	55	50	NO	NO	NO
3	3_0128		Residential	G	W	52	46	51	46	53	46	52	47	-0.6	0.4	-0.7	0.2	55	50	NO	NO	NO
3	3_0129		Residential	G	E	54	49	51	46	54	49	52	47	-2.6	-2.5	-2.6	-2.5	55	50	NO	NO	NO
3	3_0130		Residential	G	E	54	49	51	46	54	49	52	47	-2.4	-2.3	-2.4	-2.3	55	50	NO	NO	NO
3	3_0131		Residential	G	E	54	48	51	46	54	49	52	47	-2.3	-2.2	-2.2	-2.2	55	50	NO	NO	NO
3	3_0132		Residential	G	S	51	46	51	46	52	46	52	47	-0.1	0.5	0	0.5	55	50	NO	NO	NO
3	3_0132		Residential	1	S	54	49	53	47	55	49	53	48	-1.9	-1.5	-1.9	-1.4	55	50	NO	NO	NO
3	3_0133		Residential	G	S	52	47	52	47	53	47	52	47	-0.6	0.1	-0.5	0.3	55	50	NO	NO	NO
3	3_0134		Residential	G	S	52	46	52	47	53	47	53	47	-0.3	0.4	-0.2	0.3	55	50	NO	NO	NO
3	3_0135		Residential	G	S	52	47	52	47	53	47	53	47	-0.4	0.3	-0.3	0.2	55	50	NO	NO	NO
3	3_0136		Residential	G	S	53	47	52	47	53	47	53	48	-0.5	0.3	-0.4	0.2	55	50	NO	NO	NO
3	3_0137		Residential	G	S	53	47	52	47	53	47	53	47	-0.5	0.3	-0.4	0.3	55	50	NO	NO	NO
3	3_0138		Residential	G	S	52	46	52	47	53	47	53	48	-0.2	0.5	-0.2	0.5	55	50	NO	NO	NO
3	3_0139		Residential	G	S	52	46	52	47	53	47	53	48	0.2	1.2	0.4	1.1	55	50	NO	NO	NO
3	3_0139		Residential	1	S	54	48	54	48	55	49	54	49	-0.9	-0.1	-0.9	-0.2	55	50	NO	NO	NO
3	3_0140		Residential	G	S	53	46	53	47	53	47	53	48	-0.1	0.8	0	0.7	55	50	NO	NO	NO
3	3_0141		Residential	G	S	52	46	53	47	53	47	53	48	0.2	1	0.2	0.9	55	50	NO	NO	NO
3	3_0142		Residential	G	S	52	46	53	47	53	47	53	48	0.4	1.2	0.5	1.1	55	50	NO	NO	NO
3	3_0143		Residential	G	S	52	46	52	47	52	46	53	48	0.6	1.5	0.6	1.5	55	50	NO	NO	NO
3	3_0144		Residential	G	S	52	46	53	47	52	46	53	48	0.6	1.5	0.7	1.4	55	50	NO	NO	NO
3	3_0145		Residential	G	S	52	46	53	47	52	46	53	48	0.9	1.8	0.9	1.7	55	50	NO	NO	NO
3	3_0146		Residential	G	S	51	45	52	47	52	46	53	48	1	1.9	1.1	1.9	55	50	NO	NO	NO
3	3_0147		Residential	G	S	51	45	52	47	52	46	53	48	1.2	2	1.1	1.9	55	50	NO	NO	NO
3	3_0148		Residential	G	S	51	45	52	47	51	45	53	47	1.3	2.1	1.4	2.1	55	50	NO	NO	NO
3	3_0149		Residential	G	W	51	45	51	46	52	46	52	46	-0.1	0.8	-0.4	0.6	55	50	NO	NO	NO
3	3_0150		Residential	G	W	51	45	51	46	52	45	51	46	0.1	0.9	-0.2	0.8	55	50	NO	NO	NO
3	3_0151		Residential	G	N	52	47	51	46	53	47	52	46	-1.2	-0.7	-1.4	-0.8	55	50	NO	NO	NO
3	3_0152		Residential	G	S	50	44	51	46	50	44	52	46	1.2	2.1	1.3	2.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0153		Residential	G	N	52	46	51	46	52	47	52	47	-0.5	0.1	-0.7	-0.1	55	50	NO	NO	NO
3	3_0154		Residential	G	W	53	46	53	47	53	47	53	48	-0.2	0.8	-0.4	0.7	55	50	NO	NO	NO
3	3_0155		Residential	G	W	53	47	53	48	54	48	54	49	-0.2	1	-0.2	0.9	55	50	NO	NO	NO
3	3_0156		Residential	G	S	54	48	55	49	55	49	55	50	0.1	1.2	0.2	1.3	55	50	NO	NO	NO
3	3_0157		Residential	G	S	50	44	52	46	51	44	52	47	1.5	2.7	1.5	2.7	55	50	NO	NO	NO
3	3_0157		Residential	1	S	54	47	54	48	54	48	54	49	0.1	1.1	0.1	1.2	55	50	NO	NO	NO
3	3_0158		Residential	G	S	50	44	51	46	51	45	52	47	1	2.1	1.1	2.2	55	50	NO	NO	NO
3	3_0159		Residential	G	W	52	45	52	47	52	46	53	47	0.5	1.6	0.4	1.5	55	50	NO	NO	NO
3	3_0160		Residential	G	S	51	44	52	46	51	45	52	47	1.1	2.2	1.2	2.2	55	50	NO	NO	NO
3	3_0161		Residential	G	SW	53	46	53	48	53	47	54	48	0.6	1.7	0.5	1.6	55	50	NO	NO	NO
3	3_0162		Residential	G	S	54	48	54	49	55	48	55	49	-0.3	0.9	-0.2	0.9	55	50	NO	NO	NO
3	3_0163		Residential	G	SW	54	48	54	49	55	49	55	49	-0.3	0.9	-0.2	0.9	55	50	NO	NO	NO
3	3_0164		Residential	G	SW	54	48	54	49	55	48	54	49	-0.4	0.8	-0.3	0.8	55	50	NO	NO	NO
3	3_0165		Residential	G	W	52	45	52	47	53	46	53	48	0.4	1.5	0.3	1.4	55	50	NO	NO	NO
3	3_0166		Residential	G	W	51	45	52	47	52	46	52	47	0.4	1.5	0.3	1.4	55	50	NO	NO	NO
3	3_0167		Residential	G	S	49	43	51	46	50	44	52	47	2	3.1	2.1	3.1	55	50	NO	NO	NO
3	3_0167		Residential	1	W	54	48	53	48	55	49	54	48	-1	0	-1.2	-0.3	55	50	NO	NO	NO
3	3_0168		Residential	G	S	50	44	52	46	51	44	52	47	1.5	2.5	1.6	2.5	55	50	NO	NO	NO
3	3_0169		Residential	G	S	50	44	52	47	51	45	52	47	1.5	2.4	1.5	2.5	55	50	NO	NO	NO
3	3_0170		Residential	G	S	50	44	52	47	51	45	52	47	1.5	2.4	1.4	2.5	55	50	NO	NO	NO
3	3_0171		Residential	G	S	51	44	52	47	51	45	53	47	1.5	2.4	1.5	2.5	55	50	NO	NO	NO
3	3_0172		Residential	G	S	51	44	52	47	51	45	53	47	1.5	2.6	1.5	2.6	55	50	NO	NO	NO
3	3_0173		Residential	G	S	51	44	52	47	51	45	53	47	1.5	2.5	1.5	2.5	55	50	NO	NO	NO
3	3_0174		Residential	G	S	50	44	52	47	51	45	53	47	1.6	2.6	1.7	2.7	55	50	NO	NO	NO
3	3_0175		Residential	G	S	50	44	52	47	51	45	53	47	1.7	2.7	1.8	2.7	55	50	NO	NO	NO
3	3_0176		Residential	G	S	50	44	52	47	51	45	53	47	1.6	2.6	1.7	2.6	55	50	NO	NO	NO
3	3_0177		Residential	G	N	52	46	50	45	53	47	51	46	-1.3	-0.7	-1.6	-0.9	55	50	NO	NO	NO
3	3_0178		Residential	G	W	51	45	51	45	52	46	51	46	-0.3	0.7	-0.4	0.4	55	50	NO	NO	NO
3	3_0179		Residential	G	N	52	46	51	45	53	47	51	46	-1.5	-0.8	-1.8	-1.1	55	50	NO	NO	NO
3	3_0180		Residential	G	S	49	43	51	45	50	43	51	46	1.7	2.5	1.7	2.5	55	50	NO	NO	NO
3	3_0181		Residential	G	S	49	43	50	45	49	43	51	46	1.6	2.5	1.6	2.5	55	50	NO	NO	NO
3	3_0182		Residential	G	S	48	41	50	45	48	42	51	46	2.8	4	3	4.1	55	50	NO	NO	NO
3	3_0182		Residential	1	W	53	47	53	47	54	47	53	48	-0.5	0.5	-0.7	0.3	55	50	NO	NO	NO
3	3_0183		Residential	G	S	49	42	51	45	49	43	51	46	2.1	3.1	2.1	3.1	55	50	NO	NO	NO
3	3_0184		Residential	G	S	49	43	51	46	50	44	52	46	1.7	2.6	1.7	2.6	55	50	NO	NO	NO
3	3_0185		Residential	G	W	51	45	51	46	52	45	52	46	0.1	1	-0.1	0.9	55	50	NO	NO	NO
3	3_0186		Residential	G	W	51	45	51	46	52	46	52	47	0.3	1.2	0.1	1.1	55	50	NO	NO	NO
3	3_0187		Residential	G	S	56	49	55	50	56	50	56	50	-1	0.3	-0.9	0.3	55	50	NO	NO	YES
3	3_0188		Residential	G	S	54	48	54	48	55	48	54	49	-0.7	0.7	-0.5	0.7	55	50	NO	NO	NO
3	3_0188		Residential	1	S	57	51	56	51	58	51	57	51	-1.1	0.1	-1	0.2	55	50	NO	NO	YES
3	3_0189		Residential	G	S	56	49	55	50	56	50	55	50	-0.7	0.5	-0.7	0.5	55	50	NO	NO	NO
3	3_0190		Residential	G	S	56	49	55	49	56	50	55	50	-1	0.3	-0.9	0.4	55	50	NO	NO	NO
3	3_0192		Residential	G	S	56	49	55	50	56	50	55	50	-1	0.3	-0.9	0.3	55	50	NO	NO	NO
3	3_0193		Residential	G	S	55	49	54	49	56	49	55	50	-0.9	0.3	-0.8	0.4	55	50	NO	NO	NO
3	3_0194		Residential	G	S	56	49	55	50	56	50	56	51	-0.3	0.9	-0.2	1	55	50	NO	NO	YES
3	3_0194		Residential	1	S	58	51	57	52	58	52	57	52	-0.6	0.5	-0.6	0.7	55	50	NO	NO	YES
3	3_0195		Residential	G	SW	55	49	56	51	56	49	57	51	0.9	1.9	0.8	1.9	55	50	NO	NO	YES
3	3_0196		Residential	G	S	50	44	52	47	51	44	53	48	2.1	3.3	2.3	3.3	55	50	NO	NO	NO
3	3_0196		Residential	1	W	54	47	55	49	55	48	55	50	0.6	1.6	0.5	1.5	55	50	NO	NO	NO
3	3_0197		Residential	G	S	51	45	53	48	52	45	54	48	1.9	3	2	3.1	55	50	NO	NO	NO
3	3_0198		Residential	G	S	51	45	53	48	52	46	54	49	1.8	2.9	1.9	2.9	55	50	NO	NO	NO
3	3_0199		Residential	G	S	52	45	54	48	52	46	54	49	1.9	3	2	3.1	55	50	NO	NO	NO
3	3_0200		Residential	G	S	52	46	54	49	53	46	54	49	1.8	2.8	1.9	2.9	55	50	NO	NO	NO
3	3_0201		Residential	G	S	52	46	54	49	53	46	55	49	1.8	2.8	1.8	2.9	55	50	NO	NO	NO
3	3_0202		Residential	G	S	53	47	54	49	53	47	55	50	1.5	2.5	1.5	2.6	55	50	NO	NO	NO
3	3_0203		Residential	G	W	54	47	55	49	55	48	55	50	0.9	2.1	0.9	2	55	50	NO	NO	NO
3	3_0204		Residential	G	SW	55	48	56	50	55	49	57	51	1.2	2	1.2	2.1	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0205		Residential	G	SW	56	49	56	51	56	49	57	51	0.9	1.7	0.9	1.8	55	50	NO	NO	YES
3	3_0206		Residential	G	SW	55	48	56	50	55	49	56	51	1	1.9	1	1.9	55	50	NO	NO	YES
3	3_0207		Residential	G	W	51	45	52	46	52	46	52	47	0.4	1.3	0.2	1.2	55	50	NO	NO	NO
3	3_0208		Residential	G	W	51	45	52	46	52	46	52	47	0.3	1.3	0.2	1.2	55	50	NO	NO	NO
3	3_0209		Residential	G	W	51	44	52	46	51	45	52	47	1.1	2.1	1	2	55	50	NO	NO	NO
3	3_0210		Residential	G	W	52	45	52	47	52	46	53	48	0.7	1.7	0.5	1.6	55	50	NO	NO	NO
3	3_0211		Residential	G	W	51	45	52	47	52	46	53	48	1	2	0.8	1.8	55	50	NO	NO	NO
3	3_0212		Residential	G	W	51	45	52	47	52	45	53	47	1.2	2.2	1	2	55	50	NO	NO	NO
3	3_0213		Residential	G	SW	51	44	53	47	52	45	53	48	1.6	2.7	1.6	2.7	55	50	NO	NO	NO
3	3_0214		Residential	G	SW	52	45	53	48	52	46	54	48	1.5	2.5	1.3	2.4	55	50	NO	NO	NO
3	3_0215		Residential	G	NW	52	46	53	47	53	47	53	48	0.7	1.4	0.5	1.3	55	50	NO	NO	NO
3	3_0216		Residential	G	S	50	44	53	47	51	44	53	48	2.5	3.4	2.5	3.5	55	50	NO	NO	NO
3	3_0217		Residential	G	W	51	45	53	48	51	45	53	48	2.1	3	2	3	55	50	NO	NO	NO
3	3_0218		Residential	G	SW	52	45	54	48	52	46	54	49	2.3	3.3	2.3	3.4	55	50	NO	NO	NO
3	3_0219		Residential	G	SW	51	45	53	48	52	46	54	49	2	3	1.9	3	55	50	NO	NO	NO
3	3_0220		Residential	G	SW	51	45	53	47	52	45	54	48	1.6	2.7	1.5	2.7	55	50	NO	NO	NO
3	3_0220		Residential	1	SW	55	49	56	50	56	49	56	51	0.6	1.5	0.6	1.6	55	50	NO	NO	YES
3	3_0221		Residential	G	S	50	43	52	46	50	44	52	47	1.9	2.9	2	2.9	55	50	NO	NO	NO
3	3_0222		Residential	G	NW	54	47	54	48	54	48	54	49	0.2	0.8	0	0.8	55	50	NO	NO	NO
3	3_0223		Residential	G	NW	55	48	55	49	55	49	55	49	0.1	0.6	0	0.6	55	50	NO	NO	NO
3	3_0224		Residential	G	SW	57	50	58	51	57	51	58	52	0.5	1	0.6	1.2	55	50	NO	NO	YES
3	3_0225		Residential	G	NW	54	48	53	47	55	49	53	47	-1.4	-0.8	-1.7	-1.1	55	50	NO	NO	NO
3	3_0226		Residential	G	NW	54	48	53	47	55	49	53	48	-1.4	-0.8	-1.6	-1.1	55	50	NO	NO	NO
3	3_0227		Residential	G	NW	54	48	53	47	55	49	53	48	-1.2	-0.8	-1.6	-1	55	50	NO	NO	NO
3	3_0228		Residential	G	NW	54	48	52	46	55	48	52	47	-1.8	-1.2	-2.1	-1.5	55	50	NO	NO	NO
3	3_0228		Residential	1	SW	54	48	55	49	55	48	55	50	0.6	1.6	0.6	1.6	55	50	NO	NO	NO
3	3_0229		Residential	G	NW	54	48	53	48	55	49	54	48	-1	-0.6	-1.4	-0.8	55	50	NO	NO	NO
3	3_0230		Residential	G	NW	55	49	54	48	55	49	54	49	-0.7	-0.3	-1	-0.4	55	50	NO	NO	NO
3	3_0231		Residential	G	NW	55	48	54	48	55	49	54	48	-0.8	-0.4	-1.1	-0.5	55	50	NO	NO	NO
3	3_0232		Residential	G	NW	56	49	55	49	56	50	55	49	-0.8	-0.3	-0.9	-0.4	55	50	NO	NO	NO
3	3_0233		Residential	G	NW	57	50	56	50	57	51	56	50	-0.6	-0.3	-0.8	-0.3	55	50	NO	NO	NO
3	3_0234		Residential	G	NW	58	51	57	51	58	51	57	51	-0.6	-0.4	-0.7	-0.3	55	50	NO	NO	NO
3	3_0235		Residential	G	SW	61	55	61	54	61	55	61	55	-0.4	-0.1	-0.3	0.1	55	50	NO	NO	YES
3	3_0236		Residential	G	W	52	46	52	47	53	47	53	47	-0.1	0.8	-0.3	0.6	55	50	NO	NO	NO
3	3_0237		Residential	G	S	50	44	52	46	51	45	52	47	1.2	2.1	1.3	2.1	55	50	NO	NO	NO
3	3_0238		Residential	G	S	50	44	51	46	51	45	52	47	1.2	2.1	1.2	2.1	55	50	NO	NO	NO
3	3_0239		Residential	G	N	53	47	51	46	54	48	52	46	-2.1	-1.5	-2.4	-1.7	55	50	NO	NO	NO
3	3_0240		Residential	G	W	51	45	50	45	52	46	51	46	-0.9	0	-1.1	-0.1	55	50	NO	NO	NO
3	3_0241		Residential	G	W	51	44	50	45	51	45	51	46	-0.1	0.8	-0.2	0.7	55	50	NO	NO	NO
3	3_0242		Residential	G	W	51	45	51	45	52	46	51	46	-0.4	0.4	-0.6	0.3	55	50	NO	NO	NO
3	3_0243		Residential	G	W	51	45	51	45	52	45	51	46	-0.1	0.7	-0.4	0.6	55	50	NO	NO	NO
3	3_0244		Residential	G	S	49	43	51	45	50	44	51	46	1.4	2.2	1.3	2.2	55	50	NO	NO	NO
3	3_0245		Residential	G	W	50	44	51	46	51	45	52	46	0.8	1.7	0.6	1.6	55	50	NO	NO	NO
3	3_0246		Residential	G	SW	51	44	52	46	52	45	52	47	1	2	0.9	1.8	55	50	NO	NO	NO
3	3_0247		Residential	G	SW	51	45	52	46	52	46	53	47	0.7	1.6	0.5	1.5	55	50	NO	NO	NO
3	3_0248		Residential	G	W	52	45	52	47	53	46	53	47	0.1	1.1	-0.1	0.9	55	50	NO	NO	NO
3	3_0249		Residential	G	SW	51	45	52	46	52	46	52	47	0.6	1.5	0.3	1.3	55	50	NO	NO	NO
3	3_0250		Residential	G	W	52	46	52	46	53	46	53	47	0.1	0.9	-0.1	0.8	55	50	NO	NO	NO
3	3_0251		Residential	G	W	52	46	52	47	53	47	53	47	-0.2	0.6	-0.4	0.4	55	50	NO	NO	NO
3	3_0252		Residential	G	W	52	45	52	46	52	46	53	47	0.2	1	0.1	0.9	55	50	NO	NO	NO
3	3_0253		Residential	G	W	53	47	52	47	54	47	53	47	-0.8	0.1	-1	-0.1	55	50	NO	NO	NO
3	3_0254		Residential	G	W	53	46	52	46	53	47	52	47	-1	-0.1	-1.2	-0.4	55	50	NO	NO	NO
3	3_0255		Residential	G	W	53	46	51	45	54	47	51	46	-2.2	-1.4	-2.6	-1.7	55	50	NO	NO	NO
3	3_0256		Residential	G	SW	52	46	52	46	53	47	53	47	-0.2	0.6	-0.4	0.5	55	50	NO	NO	NO
3	3_0257		Residential	G	NW	54	48	51	46	55	49	52	46	-3	-2.2	-3.5	-2.7	55	50	NO	NO	NO
3	3_0258		Residential	G	SW	53	46	53	47	54	47	53	48	-0.1	0.7	-0.3	0.6	55	50	NO	NO	NO
3	3_0259		Residential	G	SW	53	46	53	47	53	47	53	48	0.2	0.9	0.1	0.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0260		Residential	G	SW	53	47	53	47	54	47	54	48	0.1	0.7	-0.1	0.7	55	50	NO	NO	NO
3	3_0261		Residential	G	SW	53	46	53	47	53	47	53	47	0	0.7	-0.2	0.7	55	50	NO	NO	NO
3	3_0262		Residential	G	SW	52	46	52	47	53	46	53	47	0.1	0.8	-0.2	0.7	55	50	NO	NO	NO
3	3_0263		Residential	G	SW	53	46	52	46	53	47	53	47	-0.6	0.3	-0.9	0.1	55	50	NO	NO	NO
3	3_0264		Residential	G	SW	51	45	51	46	52	45	52	46	-0.1	0.9	-0.3	0.7	55	50	NO	NO	NO
3	3_0265		Residential	G	SW	53	46	52	46	54	47	52	46	-1.1	-0.3	-1.5	-0.5	55	50	NO	NO	NO
3	3_0266		Residential	G	SW	53	46	52	46	53	47	52	47	-0.7	0.1	-1.1	-0.2	55	50	NO	NO	NO
3	3_0267		Residential	G	SW	53	47	52	46	54	47	53	47	-0.9	-0.1	-1.2	-0.4	55	50	NO	NO	NO
3	3_0268		Residential	G	SW	53	47	52	47	54	47	53	47	-0.7	0	-1.1	-0.2	55	50	NO	NO	NO
3	3_0269		Residential	G	SW	52	45	52	46	52	46	53	47	0.4	1.3	0.3	1.2	55	50	NO	NO	NO
3	3_0269		Residential	1	SW	55	48	55	49	56	49	55	49	-0.4	0.4	-0.6	0.2	55	50	NO	NO	NO
3	3_0270		Residential	G	SW	53	47	53	47	54	47	54	48	0.2	0.8	0	0.8	55	50	NO	NO	NO
3	3_0271		Residential	G	SW	53	47	53	47	54	47	54	48	0.3	0.9	0.1	0.8	55	50	NO	NO	NO
3	3_0272		Residential	G	SW	54	47	54	48	54	48	54	48	-0.1	0.5	-0.1	0.6	55	50	NO	NO	NO
3	3_0273		Residential	G	SW	54	47	54	48	54	48	54	48	0	0.6	0	0.7	55	50	NO	NO	NO
3	3_0274		Residential	G	SW	55	48	55	49	55	49	55	49	0	0.4	0	0.5	55	50	NO	NO	NO
3	3_0275		Residential	G	NE	59	55	55	51	60	56	56	51	-4.1	-4.2	-4.2	-4.4	55	50	NO	NO	NO
3	3_0276		Residential	G	E	58	54	55	50	59	54	55	50	-3.5	-3.8	-3.6	-3.9	55	50	NO	NO	NO
3	3_0277		Residential	G	E	58	53	55	50	59	54	55	50	-3.4	-3.6	-3.5	-3.8	55	50	NO	NO	NO
3	3_0278		Residential	G	E	57	52	54	49	57	53	54	50	-3	-3.3	-3	-3.3	55	50	NO	NO	NO
3	3_0279		Residential	G	E	57	52	54	49	57	53	55	50	-3	-3.2	-2.9	-3.3	55	50	NO	NO	NO
3	3_0280		Residential	G	E	56	51	54	49	57	52	54	49	-2.5	-2.7	-2.6	-2.9	55	50	NO	NO	NO
3	3_0281		Residential	G	E	56	51	53	48	56	52	54	49	-2.3	-2.5	-2.3	-2.6	55	50	NO	NO	NO
3	3_0282		Residential	G	E	54	49	53	47	54	50	53	48	-1	-1.4	-1.1	-1.5	55	50	NO	NO	NO
3	3_0283		Residential	G	E	55	50	53	48	56	51	54	49	-1.8	-2	-1.9	-2	55	50	NO	NO	NO
3	3_0284		Residential	G	E	55	49	53	48	55	50	54	49	-1.5	-1.4	-1.5	-1.5	55	50	NO	NO	NO
3	3_0285		Residential	G	E	54	49	53	48	55	50	54	48	-1.3	-1	-1.2	-1.1	55	50	NO	NO	NO
3	3_0286		Residential	G	E	55	51	53	48	56	51	53	49	-2.5	-2.8	-2.5	-2.8	55	50	NO	NO	NO
3	3_0287		Residential	G	E	56	52	53	48	57	52	54	49	-2.8	-3.1	-2.9	-3.1	55	50	NO	NO	NO
3	3_0288		Residential	G	E	57	52	54	49	57	53	54	49	-3	-3.3	-3	-3.3	55	50	NO	NO	NO
3	3_0289		Residential	G	NE	58	54	54	50	59	54	55	50	-4	-4.2	-4	-4.3	55	50	NO	NO	NO
3	3_0290		Residential	G	W	53	48	52	47	54	48	53	47	-1.2	-0.9	-1.2	-1	55	50	NO	NO	NO
3	3_0291		Residential	G	SW	53	48	52	47	54	49	53	48	-1.3	-1	-1.4	-1	55	50	NO	NO	NO
3	3_0292		Residential	G	SE	52	47	52	47	53	47	53	48	-0.2	0.2	-0.1	0.2	55	50	NO	NO	NO
3	3_0293		Residential	G	SW	54	48	52	47	54	49	53	48	-1.6	-1.3	-1.6	-1.3	55	50	NO	NO	NO
3	3_0294		Residential	G	S	52	47	52	47	53	47	52	47	-0.6	0	-0.5	0	55	50	NO	NO	NO
3	3_0295		Residential	G	S	52	47	52	47	53	47	52	47	-0.3	0.1	-0.2	0.1	55	50	NO	NO	NO
3	3_0296		Residential	G	S	53	47	52	47	53	48	53	48	-0.4	0	-0.3	0.1	55	50	NO	NO	NO
3	3_0297		Residential	G	S	53	47	52	47	53	48	53	48	-0.4	0.1	-0.4	0	55	50	NO	NO	NO
3	3_0298		Residential	G	S	53	47	52	47	53	48	53	48	-0.6	-0.1	-0.5	0	55	50	NO	NO	NO
3	3_0299		Residential	G	S	52	47	52	47	53	47	53	48	-0.4	0.1	-0.3	0.1	55	50	NO	NO	NO
3	3_0300		Residential	G	S	52	46	52	47	52	47	52	47	-0.1	0.4	0	0.4	55	50	NO	NO	NO
3	3_0301		Residential	G	SE	52	47	52	47	53	47	53	47	-0.2	0.3	-0.1	0.2	55	50	NO	NO	NO
3	3_0302		Residential	G	SE	52	46	52	47	52	47	52	47	-0.3	0.3	-0.2	0.2	55	50	NO	NO	NO
3	3_0303		Residential	G	SW	53	48	52	47	54	49	53	48	-1.4	-1	-1.4	-0.9	55	50	NO	NO	NO
3	3_0304		Residential	G	S	52	46	52	47	52	47	52	47	0	0.5	0	0.4	55	50	NO	NO	NO
3	3_0305		Residential	G	S	52	46	52	47	52	47	52	47	0	0.5	0	0.4	55	50	NO	NO	NO
3	3_0306		Residential	G	S	52	46	52	47	52	47	52	47	-0.1	0.5	0	0.4	55	50	NO	NO	NO
3	3_0307		Residential	G	S	52	46	52	47	52	47	52	47	0	0.6	0	0.5	55	50	NO	NO	NO
3	3_0308		Residential	G	S	52	46	52	47	52	47	52	47	-0.1	0.5	0	0.5	55	50	NO	NO	NO
3	3_0309		Residential	G	S	52	46	52	47	52	47	52	47	-0.1	0.5	0	0.5	55	50	NO	NO	NO
3	3_0310		Residential	G	S	52	46	52	47	52	47	52	47	-0.1	0.5	0	0.4	55	50	NO	NO	NO
3	3_0311		Residential	G	S	51	45	51	46	51	46	51	46	-0.1	0.4	0	0.5	55	50	NO	NO	NO
3	3_0312		Residential	G	W	53	47	51	46	53	48	51	46	-1.8	-1.5	-1.8	-1.5	55	50	NO	NO	NO
3	3_0313		Residential	G	SE	51	46	51	46	52	47	52	47	-0.3	-0.2	-0.3	-0.3	55	50	NO	NO	NO
3	3_0313		Residential	1	SE	54	49	52	47	55	50	53	48	-1.9	-1.6	-1.8	-1.7	55	50	NO	NO	NO
3	3_0314		Residential	G	S	51	45	51	46	51	46	52	46	0.2	0.5	0.3	0.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0315		Residential	G	S	51	46	51	46	52	46	52	47	0	0.5	0.1	0.4	55	50	NO	NO	NO
3	3_0316		Residential	G	SE	51	46	51	46	52	47	52	47	-0.3	-0.1	-0.2	-0.2	55	50	NO	NO	NO
3	3_0317		Residential	G	S	50	45	51	46	51	46	51	46	0.3	0.6	0.3	0.5	55	50	NO	NO	NO
3	3_0318		Residential	G	E	52	47	51	46	53	48	52	47	-1.3	-1.4	-1.3	-1.5	55	50	NO	NO	NO
3	3_0319		Residential	G	E	53	48	51	46	54	49	52	47	-2.1	-2.1	-2.1	-2.2	55	50	NO	NO	NO
3	3_0320		Residential	G	S	51	46	51	46	52	47	52	46	-0.4	-0.1	-0.4	-0.2	55	50	NO	NO	NO
3	3_0321		Residential	G	S	51	46	51	46	52	46	51	46	-0.3	0	-0.2	-0.1	55	50	NO	NO	NO
3	3_0322		Residential	G	S	50	44	50	45	50	45	51	46	0.6	1.3	0.7	1.1	55	50	NO	NO	NO
3	3_0322		Residential	1	E	54	49	52	47	55	50	52	47	-2.4	-2.4	-2.4	-2.4	55	50	NO	NO	NO
3	3_0323		Residential	G	S	51	46	51	46	52	46	51	46	-0.5	-0.2	-0.4	-0.3	55	50	NO	NO	NO
3	3_0324		Residential	G	S	51	46	51	46	52	47	51	46	-0.6	-0.3	-0.5	-0.4	55	50	NO	NO	NO
3	3_0325		Residential	G	W	54	49	51	46	54	49	52	47	-2.8	-2.6	-2.9	-2.7	55	50	NO	NO	NO
3	3_0326	Decora Family Day Care	Childcare Sleeping	G	W	53	48	51	46	54	49	51	46	-2.7	-2.5	-2.8	-2.6	45	-	NO	-	YES
3	3_0327		Residential	G	S	48	43	49	44	49	43	50	45	0.8	1.3	0.9	1.3	55	50	NO	NO	NO
3	3_0327		Residential	1	N	56	51	52	48	57	52	53	48	-4	-3.9	-4.1	-4.1	55	50	NO	NO	NO
3	3_0328		Residential	G	N	54	49	50	45	54	50	51	46	-3.6	-3.7	-3.8	-3.8	55	50	NO	NO	NO
3	3_0329		Residential	G	N	54	49	50	45	54	50	51	46	-3.4	-3.6	-3.6	-3.6	55	50	NO	NO	NO
3	3_0330		Residential	G	NE	54	49	51	46	54	50	52	47	-2.8	-2.9	-2.9	-3.1	55	50	NO	NO	NO
3	3_0331		Residential	G	E	53	49	51	46	54	49	51	47	-2.5	-2.7	-2.6	-2.7	55	50	NO	NO	NO
3	3_0332		Residential	G	N	55	50	51	47	56	51	52	47	-3.9	-3.9	-4	-4	55	50	NO	NO	NO
3	3_0333		Residential	G	W	54	49	51	46	55	50	52	47	-3.1	-3	-3.2	-3	55	50	NO	NO	NO
3	3_0334		Residential	G	N	56	51	52	47	57	52	52	48	-4.1	-4	-4.2	-4.1	55	50	NO	NO	NO
3	3_0335		Residential	G	NE	55	50	51	47	55	51	52	47	-3.3	-3.5	-3.4	-3.6	55	50	NO	NO	NO
3	3_0336		Residential	G	SW	53	48	52	47	54	49	52	47	-1.5	-1.2	-1.6	-1.2	55	50	NO	NO	NO
3	3_0337		Residential	G	S	52	46	51	46	52	47	52	47	-0.5	0	-0.4	-0.1	55	50	NO	NO	NO
3	3_0338		Residential	G	S	52	46	51	46	52	47	52	47	-0.3	0.1	-0.3	0	55	50	NO	NO	NO
3	3_0339		Residential	G	S	52	46	51	46	52	47	52	47	-0.4	0	-0.3	-0.1	55	50	NO	NO	NO
3	3_0340		Residential	G	S	52	46	52	46	53	47	52	47	-0.4	0	-0.4	-0.1	55	50	NO	NO	NO
3	3_0341		Residential	G	S	52	46	52	46	52	47	52	47	-0.4	-0.1	-0.3	-0.1	55	50	NO	NO	NO
3	3_0342		Residential	G	S	52	46	51	46	52	47	52	47	-0.4	0	-0.3	-0.1	55	50	NO	NO	NO
3	3_0343		Residential	G	S	52	46	51	46	52	47	52	47	-0.3	-0.1	-0.3	0	55	50	NO	NO	NO
3	3_0344		Residential	G	S	52	46	52	46	52	47	52	47	-0.1	0.1	-0.1	0	55	50	NO	NO	NO
3	3_0345		Residential	G	S	52	47	51	46	52	47	52	47	-0.5	-0.2	-0.4	-0.2	55	50	NO	NO	NO
3	3_0346		Residential	G	S	52	47	52	47	53	47	52	47	-0.5	-0.2	-0.4	-0.2	55	50	NO	NO	NO
3	3_0347		Residential	G	SW	53	48	52	47	54	48	52	47	-1.3	-1.1	-1.2	-1.1	55	50	NO	NO	NO
3	3_0348		Residential	G	S	52	47	51	46	52	47	52	47	-0.5	-0.2	-0.4	-0.3	55	50	NO	NO	NO
3	3_0349		Residential	G	E	53	49	51	46	54	49	52	47	-1.9	-2.2	-1.9	-2.3	55	50	NO	NO	NO
3	3_0350		Residential	G	E	54	50	52	47	55	51	52	47	-2.8	-3.1	-2.9	-3.1	55	50	NO	NO	NO
3	3_0350		Residential	1	N	59	55	55	50	60	55	55	51	-4.3	-4.4	-4.3	-4.5	55	50	NO	NO	NO
3	3_0351		Residential	G	N	55	51	51	46	56	51	51	47	-4.5	-4.6	-4.7	-4.7	55	50	NO	NO	NO
3	3_0351		Residential	1	N	58	54	54	49	59	54	54	50	-4.2	-4.3	-4.3	-4.4	55	50	NO	NO	NO
3	3_0352		Residential	G	W	54	49	51	46	55	50	52	47	-2.7	-2.6	-2.8	-2.7	55	50	NO	NO	NO
3	3_0353		Residential	G	S	52	47	52	46	53	48	52	47	-0.9	-0.7	-0.8	-0.8	55	50	NO	NO	NO
3	3_0354		Residential	G	W	54	49	52	47	55	50	52	47	-2.5	-2.3	-2.5	-2.4	55	50	NO	NO	NO
3	3_0355		Residential	G	S	52	47	51	46	53	48	52	47	-0.9	-0.6	-0.8	-0.7	55	50	NO	NO	NO
3	3_0356		Residential	G	S	52	47	51	46	53	48	52	47	-0.9	-0.6	-0.8	-0.7	55	50	NO	NO	NO
3	3_0357		Residential	G	S	52	47	51	46	53	48	52	47	-0.8	-0.6	-0.8	-0.7	55	50	NO	NO	NO
3	3_0358		Residential	G	S	52	47	51	46	53	47	52	47	-0.8	-0.5	-0.7	-0.6	55	50	NO	NO	NO
3	3_0359		Residential	G	S	52	47	51	46	53	47	52	47	-0.8	-0.5	-0.7	-0.6	55	50	NO	NO	NO
3	3_0360		Residential	G	S	52	46	51	46	52	47	52	47	-0.7	-0.4	-0.6	-0.5	55	50	NO	NO	NO
3	3_0361		Residential	G	S	52	46	51	46	52	47	52	47	-0.6	-0.3	-0.5	-0.4	55	50	NO	NO	NO
3	3_0362		Residential	G	S	52	46	51	46	52	47	52	47	-0.6	-0.3	-0.5	-0.4	55	50	NO	NO	NO
3	3_0363		Residential	G	SW	53	47	51	46	53	48	52	47	-1.6	-1	-1.6	-1.1	55	50	NO	NO	NO
3	3_0364		Residential	G	SW	54	49	52	47	55	49	52	47	-2.3	-2.1	-2.4	-2.1	55	50	NO	NO	NO
3	3_0365		Residential	G	W	54	48	50	45	54	49	51	46	-3.3	-3	-3.4	-3.1	55	50	NO	NO	NO
3	3_0365		Residential	1	W	56	51	52	48	56	52	53	48	-3.5	-3.4	-3.6	-3.4	55	50	NO	NO	NO
3	3_0366		Residential	G	W	53	48	51	46	54	49	51	46	-2.5	-2.4	-2.6	-2.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0367		Residential	G	S	51	46	50	45	52	47	51	46	-0.7	-0.6	-0.6	-0.7	55	50	NO	NO	NO
3	3_0368		Residential	G	S	51	46	51	45	52	47	51	46	-0.7	-0.6	-0.6	-0.6	55	50	NO	NO	NO
3	3_0369		Residential	G	S	51	46	51	45	52	47	51	46	-0.7	-0.7	-0.7	-0.7	55	50	NO	NO	NO
3	3_0370		Residential	G	W	52	47	50	45	53	48	51	46	-2.1	-2.1	-2.2	-2.1	55	50	NO	NO	NO
3	3_0371		Residential	G	S	50	44	50	45	51	45	51	46	0.3	0.8	0.4	0.7	55	50	NO	NO	NO
3	3_0371		Residential	1	N	56	52	53	48	57	52	53	48	-3.8	-3.9	-3.9	-4.1	55	50	NO	NO	NO
3	3_0372		Residential	G	S	52	47	51	46	52	47	51	46	-1	-0.8	-0.9	-0.8	55	50	NO	NO	NO
3	3_0373		Residential	G	E	55	50	52	47	55	51	52	47	-3.3	-3.6	-3.3	-3.7	55	50	NO	NO	NO
3	3_0374		Residential	G	NE	55	51	52	47	56	51	53	48	-3.2	-3.6	-3.3	-3.6	55	50	NO	NO	NO
3	3_0375		Residential	G	NE	56	51	52	47	56	52	52	48	-3.6	-3.7	-3.7	-3.9	55	50	NO	NO	NO
3	3_0376		Residential	G	NE	55	51	52	47	56	51	52	47	-3.5	-3.7	-3.5	-3.8	55	50	NO	NO	NO
3	3_0377		Residential	G	N	55	50	51	47	56	51	52	47	-3.5	-3.8	-3.6	-3.8	55	50	NO	NO	NO
3	3_0378		Residential	G	N	55	50	51	46	55	51	51	47	-3.7	-3.9	-3.8	-4	55	50	NO	NO	NO
3	3_0379		Residential	G	W	54	49	51	46	54	50	51	47	-3	-3	-3	-3	55	50	NO	NO	NO
3	3_0380		Residential	G	NE	54	50	51	46	55	50	52	47	-3	-3.3	-3	-3.3	55	50	NO	NO	NO
3	3_0381		Residential	G	W	54	49	51	46	55	50	52	47	-3.1	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0382		Residential	G	E	53	48	51	46	54	49	51	46	-2.4	-2.5	-2.5	-2.6	55	50	NO	NO	NO
3	3_0383		Residential	G	NW	54	49	51	46	55	50	51	46	-3.7	-3.7	-3.9	-3.9	55	50	NO	NO	NO
3	3_0384		Residential	G	N	54	50	51	46	55	50	51	46	-3.8	-3.8	-4	-4	55	50	NO	NO	NO
3	3_0385		Residential	G	N	55	51	51	47	56	51	52	47	-3.8	-3.8	-3.9	-3.8	55	50	NO	NO	NO
3	3_0386		Residential	G	N	55	50	51	46	55	51	52	47	-3.7	-3.8	-3.8	-3.9	55	50	NO	NO	NO
3	3_0387		Residential	G	W	54	49	51	46	54	49	51	46	-2.9	-2.7	-3.1	-2.8	55	50	NO	NO	NO
3	3_0388		Residential	G	W	54	49	51	46	55	49	51	46	-3.1	-2.8	-3.3	-3	55	50	NO	NO	NO
3	3_0389		Residential	G	W	54	49	51	46	55	50	51	46	-3.4	-3.3	-3.6	-3.5	55	50	NO	NO	NO
3	3_0390		Residential	G	W	54	49	51	46	55	50	51	46	-3.2	-3.1	-3.4	-3.3	55	50	NO	NO	NO
3	3_0391		Residential	G	N	55	50	51	46	55	51	51	47	-3.9	-3.9	-4	-4.1	55	50	NO	NO	NO
3	3_0392		Residential	G	N	55	50	51	46	55	51	51	47	-3.9	-3.9	-4	-4.1	55	50	NO	NO	NO
3	3_0393		Residential	G	W	55	50	51	47	56	51	52	47	-3.6	-3.6	-3.7	-3.6	55	50	NO	NO	NO
3	3_0394		Residential	G	N	55	50	51	46	56	51	51	47	-4	-4	-4.1	-4.1	55	50	NO	NO	NO
3	3_0395		Residential	G	N	55	51	51	47	56	51	52	47	-4	-4.1	-4.2	-4.2	55	50	NO	NO	NO
3	3_0396		Residential	G	N	56	51	52	47	57	52	52	48	-4.3	-4.2	-4.4	-4.4	55	50	NO	NO	NO
3	3_0397		Residential	G	N	56	52	52	47	57	52	52	48	-4.1	-4.2	-4.3	-4.4	55	50	NO	NO	NO
3	3_0398		Residential	G	N	55	51	51	47	56	51	52	47	-4	-4.1	-4.1	-4.2	55	50	NO	NO	NO
3	3_0399		Residential	G	N	56	51	52	47	57	52	53	48	-4	-4.1	-4.2	-4.3	55	50	NO	NO	NO
3	3_0400		Residential	G	N	56	52	52	48	57	52	53	48	-4	-4.1	-4.1	-4.3	55	50	NO	NO	NO
3	3_0401		Residential	G	N	57	52	53	48	57	53	53	49	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0402		Residential	G	N	57	53	53	48	58	53	54	49	-4	-4.2	-4.1	-4.3	55	50	NO	NO	NO
3	3_0403		Residential	G	N	57	53	53	48	58	53	54	49	-4	-4.2	-4.1	-4.3	55	50	NO	NO	NO
3	3_0404		Residential	G	N	58	53	54	49	58	54	54	50	-4.1	-4.2	-4.2	-4.3	55	50	NO	NO	NO
3	3_0405		Residential	G	NE	57	53	53	49	58	53	54	49	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0406		Residential	G	NE	57	53	53	49	58	53	54	49	-3.9	-4.1	-3.9	-4.2	55	50	NO	NO	NO
3	3_0407		Residential	G	E	51	45	51	46	51	46	52	47	0.5	0.8	0.5	0.7	55	50	NO	NO	NO
3	3_0408		Residential	G	S	50	44	51	46	50	44	52	47	1.6	2.5	1.7	2.3	55	50	NO	NO	NO
3	3_0408		Residential	1	S	54	48	53	47	54	48	53	48	-0.9	-0.1	-0.8	-0.1	55	50	NO	NO	NO
3	3_0409		Residential	G	S	51	45	51	46	51	46	52	47	0.7	1.4	0.8	1.4	55	50	NO	NO	NO
3	3_0410		Residential	G	S	51	45	52	47	51	46	52	47	0.8	1.3	0.9	1.3	55	50	NO	NO	NO
3	3_0411		Residential	G	S	51	45	51	46	51	46	52	47	0.7	1.2	0.8	1.3	55	50	NO	NO	NO
3	3_0412		Residential	G	E	51	46	52	46	52	46	52	47	0.5	0.9	0.5	0.8	55	50	NO	NO	NO
3	3_0413		Residential	G	SE	52	46	52	47	52	47	53	47	0.4	0.9	0.5	0.9	55	50	NO	NO	NO
3	3_0414		Residential	G	SE	51	46	51	46	52	46	52	47	0	0.5	0.1	0.4	55	50	NO	NO	NO
3	3_0415		Residential	G	E	53	47	51	46	53	48	52	47	-1.1	-1	-1	-1	55	50	NO	NO	NO
3	3_0416		Residential	G	S	52	46	52	47	52	47	52	47	-0.3	0.4	-0.2	0.3	55	50	NO	NO	NO
3	3_0417		Residential	G	S	52	46	52	46	52	47	52	47	-0.2	0.4	-0.1	0.3	55	50	NO	NO	NO
3	3_0418		Residential	G	S	51	46	51	46	52	46	52	47	-0.1	0.4	0	0.5	55	50	NO	NO	NO
3	3_0419		Residential	G	S	51	46	51	46	52	46	52	47	-0.1	0.4	-0.1	0.3	55	50	NO	NO	NO
3	3_0420		Residential	G	S	52	46	51	46	52	47	52	47	-0.3	0.2	-0.2	0.2	55	50	NO	NO	NO
3	3_0421		Residential	G	S	51	46	51	46	52	46	52	47	-0.1	0.3	-0.2	0.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0422		Residential	G	S	51	46	51	46	52	46	52	47	-0.2	0.3	-0.1	0.3	55	50	NO	NO	NO
3	3_0423		Residential	G	S	51	45	51	46	51	46	52	47	0.3	0.9	0.4	0.8	55	50	NO	NO	NO
3	3_0423		Residential	1	E	55	50	52	47	55	50	53	48	-2.3	-2.2	-2.3	-2.3	55	50	NO	NO	NO
3	3_0424		Residential	G	S	52	47	51	46	53	47	52	47	-0.8	-0.4	-0.7	-0.4	55	50	NO	NO	NO
3	3_0425		Residential	G	S	53	47	51	46	53	48	52	47	-1.4	-1.3	-1.3	-1.2	55	50	NO	NO	NO
3	3_0426		Residential	G	S	53	48	51	46	54	49	52	46	-2.4	-2.5	-2.3	-2.4	55	50	NO	NO	NO
3	3_0427		Residential	G	S	55	50	51	46	55	51	52	46	-3.9	-4.3	-3.8	-4.2	55	50	NO	NO	NO
3	3_0428		Residential	G	S	56	51	51	46	56	52	52	47	-4.8	-5.4	-4.7	-5.2	55	50	NO	NO	NO
3	3_0428		Residential	1	S	58	53	53	47	58	53	53	48	-5.2	-5.5	-5	-5.4	55	50	NO	NO	NO
3	3_0429		Residential	G	S	52	47	52	46	53	47	52	47	-0.5	-0.2	-0.4	-0.2	55	50	NO	NO	NO
3	3_0430		Residential	G	S	52	46	51	46	52	47	52	47	-0.1	0.3	0	0.4	55	50	NO	NO	NO
3	3_0431		Residential	G	S	52	46	52	47	52	47	52	47	0	0.6	0.1	0.5	55	50	NO	NO	NO
3	3_0432		Residential	G	S	52	46	52	47	52	47	52	47	0.2	0.7	0.3	0.7	55	50	NO	NO	NO
3	3_0433		Residential	G	S	51	45	51	46	51	46	52	47	0.4	1	0.5	1	55	50	NO	NO	NO
3	3_0434		Residential	G	S	51	45	51	46	51	46	52	47	0.6	1	0.7	1	55	50	NO	NO	NO
3	3_0435		Residential	G	E	52	47	51	46	53	47	52	47	-0.8	-0.6	-0.8	-0.6	55	50	NO	NO	NO
3	3_0436		Residential	G	E	52	47	51	46	53	48	52	47	-1.2	-1.3	-1.3	-1.3	55	50	NO	NO	NO
3	3_0437		Residential	G	E	52	47	51	46	53	48	51	46	-1.2	-1.2	-1.2	-1.2	55	50	NO	NO	NO
3	3_0438		Residential	G	S	51	45	51	46	51	46	51	46	0.1	0.5	0.1	0.4	55	50	NO	NO	NO
3	3_0439		Residential	G	S	51	45	51	45	51	46	51	46	0	0.4	0	0.3	55	50	NO	NO	NO
3	3_0440		Residential	G	S	51	45	51	46	51	46	52	46	0.1	0.4	0.1	0.3	55	50	NO	NO	NO
3	3_0441		Residential	G	E	53	48	51	46	53	48	52	47	-1.5	-1.4	-1.4	-1.5	55	50	NO	NO	NO
3	3_0442		Residential	G	E	53	49	51	46	54	49	52	47	-2.3	-2.3	-2.3	-2.4	55	50	NO	NO	NO
3	3_0443		Residential	G	E	53	48	51	46	54	49	52	47	-2.1	-2	-2	-2	55	50	NO	NO	NO
3	3_0444		Residential	G	S	51	46	51	45	52	46	51	46	-0.6	-0.3	-0.7	-0.3	55	50	NO	NO	NO
3	3_0445		Residential	G	E	52	47	50	45	53	48	51	46	-2	-1.9	-1.9	-2	55	50	NO	NO	NO
3	3_0445		Residential	1	E	55	50	52	47	55	50	52	48	-2.7	-2.6	-2.7	-2.7	55	50	NO	NO	NO
3	3_0446		Residential	G	E	53	48	51	46	54	49	52	47	-2.1	-2	-2	-2.1	55	50	NO	NO	NO
3	3_0447		Residential	G	E	54	49	52	47	55	50	52	47	-2.8	-2.8	-2.9	-2.8	55	50	NO	NO	NO
3	3_0448		Residential	G	S	52	46	51	46	52	47	51	46	-0.8	-0.6	-0.7	-0.7	55	50	NO	NO	NO
3	3_0449		Residential	G	S	52	46	51	46	52	47	51	46	-0.9	-0.8	-0.9	-0.8	55	50	NO	NO	NO
3	3_0450		Residential	G	E	54	49	51	46	54	50	52	47	-2.6	-2.6	-2.6	-2.8	55	50	NO	NO	NO
3	3_0451		Residential	G	S	53	48	51	45	54	49	51	46	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
3	3_0452		Residential	G	S	55	51	51	46	56	51	51	46	-4.5	-4.9	-4.3	-4.8	55	50	NO	NO	NO
3	3_0453		Residential	G	W	59	54	51	45	59	55	51	46	-8.4	-9	-8.3	-9	55	50	NO	NO	NO
3	3_0454		Residential	G	S	53	48	50	45	53	49	51	46	-2.6	-3	-2.5	-3	55	50	NO	NO	NO
3	3_0455		Residential	G	S	51	45	50	45	51	46	51	46	-0.6	-0.4	-0.5	-0.4	55	50	NO	NO	NO
3	3_0456		Residential	G	S	51	45	50	45	51	46	51	46	-0.4	-0.3	-0.4	-0.4	55	50	NO	NO	NO
3	3_0457		Residential	G	S	51	45	50	45	51	46	51	46	-0.2	0.1	-0.2	0.1	55	50	NO	NO	NO
3	3_0458		Residential	G	E	51	46	51	46	52	47	51	46	-0.9	-0.6	-0.9	-0.7	55	50	NO	NO	NO
3	3_0459		Residential	G	E	52	48	51	46	53	48	51	46	-1.7	-1.7	-1.7	-1.7	55	50	NO	NO	NO
3	3_0460		Residential	G	E	52	47	51	46	53	48	51	46	-1.5	-1.5	-1.4	-1.5	55	50	NO	NO	NO
3	3_0461		Residential	G	E	52	47	51	46	53	48	52	47	-1.3	-1.1	-1.3	-1.2	55	50	NO	NO	NO
3	3_0462		Residential	G	E	53	48	50	45	53	48	51	46	-2.2	-2.2	-2.3	-2.4	55	50	NO	NO	NO
3	3_0463		Residential	G	N	55	50	51	46	55	50	51	46	-3.8	-3.8	-4.1	-4	55	50	NO	NO	NO
3	3_0464		Residential	G	N	55	50	51	46	55	50	51	46	-3.7	-3.8	-4	-3.9	55	50	NO	NO	NO
3	3_0465		Residential	G	E	54	49	51	46	54	49	52	47	-2.5	-2.6	-2.5	-2.6	55	50	NO	NO	NO
3	3_0466		Residential	G	N	54	49	50	45	54	50	51	46	-3.5	-3.5	-3.6	-3.6	55	50	NO	NO	NO
3	3_0467		Residential	G	E	53	49	51	46	54	49	51	47	-2.5	-2.6	-2.5	-2.7	55	50	NO	NO	NO
3	3_0468		Residential	G	E	53	49	51	46	54	49	51	46	-2.6	-2.8	-2.6	-2.8	55	50	NO	NO	NO
3	3_0469		Residential	G	NE	54	49	51	46	55	50	51	47	-3	-3.2	-3.1	-3.4	55	50	NO	NO	NO
3	3_0470		Residential	G	NE	55	51	52	47	56	51	52	48	-3.5	-3.5	-3.4	-3.6	55	50	NO	NO	NO
3	3_0471		Residential	G	E	53	48	51	46	54	49	51	46	-2.4	-2.5	-2.5	-2.6	55	50	NO	NO	NO
3	3_0472		Residential	G	E	53	48	50	46	54	49	51	46	-2.6	-2.7	-2.6	-2.7	55	50	NO	NO	NO
3	3_0473		Residential	G	E	53	49	51	46	54	49	51	46	-2.6	-2.8	-2.6	-2.8	55	50	NO	NO	NO
3	3_0474		Residential	G	E	53	49	51	46	54	49	51	46	-2.7	-2.8	-2.7	-2.8	55	50	NO	NO	NO
3	3_0475		Residential	G	N	55	50	51	46	56	51	51	46	-4.3	-4.2	-4.5	-4.4	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0476		Residential	G	N	55	50	50	45	55	50	51	46	-4.4	-4.3	-4.6	-4.4	55	50	NO	NO	NO
3	3_0477		Residential	G	N	57	52	51	46	57	53	52	47	-5.8	-5.9	-5.9	-6	55	50	NO	NO	NO
3	3_0478		Residential	G	N	59	54	51	46	59	54	52	47	-7.3	-7.7	-7.5	-7.8	55	50	NO	NO	NO
3	3_0479		Residential	G	W	59	55	50	45	60	55	51	46	-8.9	-9.7	-8.9	-9.5	55	50	NO	NO	NO
3	3_0480		Residential	G	N	55	50	50	45	55	51	50	45	-4.8	-5.2	-4.9	-5.2	55	50	NO	NO	NO
3	3_0481		Residential	G	N	54	50	50	45	55	50	51	46	-4.2	-4.5	-4.4	-4.6	55	50	NO	NO	NO
3	3_0482		Residential	G	N	54	49	50	45	55	50	51	46	-3.8	-4	-4	-4.1	55	50	NO	NO	NO
3	3_0483		Residential	G	N	54	49	50	45	55	50	51	46	-3.8	-3.9	-4	-4	55	50	NO	NO	NO
3	3_0484		Residential	G	E	53	49	50	46	54	49	51	46	-2.9	-3	-2.9	-3.1	55	50	NO	NO	NO
3	3_0485		Residential	G	E	53	49	51	46	54	49	51	46	-2.6	-2.7	-2.6	-2.7	55	50	NO	NO	NO
3	3_0486		Residential	G	E	53	48	50	46	54	49	51	46	-2.6	-2.8	-2.7	-2.9	55	50	NO	NO	NO
3	3_0487		Residential	G	NE	54	49	51	46	55	50	52	47	-3.1	-3.2	-3.1	-3.3	55	50	NO	NO	NO
3	3_0488		Residential	G	E	55	50	51	47	55	51	52	47	-3.2	-3.4	-3.3	-3.4	55	50	NO	NO	NO
3	3_0489		Residential	G	E	54	49	51	46	54	50	51	46	-3.1	-3.2	-3.2	-3.3	55	50	NO	NO	NO
3	3_0490		Residential	G	E	53	49	50	46	54	49	51	46	-3	-3.1	-3.1	-3.1	55	50	NO	NO	NO
3	3_0491		Residential	G	E	53	48	50	45	54	49	51	46	-3.1	-3.2	-3.2	-3.3	55	50	NO	NO	NO
3	3_0492		Residential	G	W	59	55	50	45	60	55	51	46	-8.9	-9.5	-8.9	-9.5	55	50	NO	NO	NO
3	3_0493		Residential	G	NE	53	49	51	46	54	49	51	46	-2.8	-2.9	-2.8	-3	55	50	NO	NO	NO
3	3_0494		Residential	G	NE	55	50	51	47	55	51	52	47	-3.3	-3.4	-3.4	-3.5	55	50	NO	NO	NO
3	3_0495		Residential	G	NE	55	51	52	47	56	51	52	47	-3.6	-3.6	-3.6	-3.7	55	50	NO	NO	NO
3	3_0496		Residential	G	E	54	49	51	46	55	50	52	47	-2.9	-3.1	-2.9	-3.1	55	50	NO	NO	NO
3	3_0497		Residential	G	NE	55	50	51	47	55	51	52	47	-3.3	-3.5	-3.4	-3.6	55	50	NO	NO	NO
3	3_0498		Residential	G	W	53	46	53	47	53	47	53	48	0	1.1	-0.1	0.9	55	50	NO	NO	NO
3	3_0499		Residential	G	W	52	45	52	47	53	46	53	48	0.5	1.6	0.3	1.5	55	50	NO	NO	NO
3	3_0500		Residential	G	W	52	46	53	48	53	47	53	48	0.4	1.5	0.3	1.5	55	50	NO	NO	NO
3	3_0501		Residential	G	W	54	48	54	49	55	48	54	49	-0.5	0.7	-0.5	0.7	55	50	NO	NO	NO
3	3_0502		Residential	G	S	53	46	53	48	53	47	54	49	0.5	1.7	0.6	1.8	55	50	NO	NO	NO
3	3_0502		Residential	1	S	56	50	56	50	57	50	56	51	-0.8	0.3	-0.8	0.4	55	50	NO	NO	YES
3	3_0503		Residential	G	S	55	49	55	50	55	49	55	50	-0.1	1	-0.1	1	55	50	NO	NO	NO
3	3_0504		Residential	G	E	59	55	51	46	60	55	52	47	-8.3	-8.9	-8.2	-8.8	55	50	NO	NO	NO
3	3_0505		Residential	G	E	60	55	51	46	60	56	51	46	-8.9	-9.6	-8.7	-9.5	55	50	NO	NO	NO
3	3_0506		Residential	G	E	59	55	51	46	60	55	51	46	-8.6	-9.3	-8.4	-9.3	55	50	NO	NO	NO
3	3_0507		Residential	G	E	58	53	50	45	58	54	51	46	-7.3	-8	-7.1	-7.9	55	50	NO	NO	NO
3	3_0508		Residential	G	E	60	56	51	46	60	56	51	46	-9.3	-10.2	-9.1	-10	55	50	NO	NO	NO
3	3_0509		Residential	G	E	60	56	51	46	60	56	51	46	-8.9	-9.8	-8.9	-9.7	55	50	NO	NO	NO
3	3_0510		Residential	G	E	59	55	51	46	59	55	51	46	-8.5	-9.2	-8.3	-9.2	55	50	NO	NO	NO
3	3_0511		Residential	G	E	59	55	50	45	60	55	51	46	-8.7	-9.6	-8.6	-9.4	55	50	NO	NO	NO
3	3_0512		Residential	G	E	59	55	50	45	60	55	51	46	-8.7	-9.6	-8.6	-9.4	55	50	NO	NO	NO
3	3_0513		Residential	G	E	58	54	50	45	58	54	50	45	-8.2	-9.1	-8.1	-9	55	50	NO	NO	NO
3	3_0514		Residential	G	E	60	56	50	45	60	56	51	46	-9.3	-10.3	-9.2	-10.1	55	50	NO	NO	NO
3	3_0515		Residential	G	E	58	54	50	45	59	55	51	46	-8.2	-9	-8	-9	55	50	NO	NO	NO
3	3_0516		Residential	G	E	59	55	50	45	59	55	50	46	-8.8	-9.6	-8.6	-9.5	55	50	NO	NO	NO
3	3_0516		Residential	1	E	60	56	51	46	60	56	52	47	-8.8	-9.5	-8.6	-9.4	55	50	NO	NO	NO
3	3_0517		Residential	G	E	59	55	50	45	60	56	51	46	-8.9	-9.7	-8.7	-9.6	55	50	NO	NO	NO
3	3_0518		Residential	G	E	59	55	50	45	60	56	51	46	-8.9	-9.7	-8.8	-9.6	55	50	NO	NO	NO
3	3_0518		Residential	1	E	61	57	52	47	62	57	52	48	-9.3	-10	-9.2	-9.9	55	50	NO	NO	NO
3	3_0519		Residential	G	E	59	55	51	46	60	56	51	46	-8.8	-9.7	-8.8	-9.6	55	50	NO	NO	NO
3	3_0520		Residential	G	E	58	54	50	45	59	55	50	46	-8.6	-9.4	-8.6	-9.4	55	50	NO	NO	NO
3	3_0520		Residential	1	N	59	54	52	47	60	55	53	48	-6.6	-7	-6.9	-7.1	55	50	NO	NO	NO
3	3_0521		Residential	G	E	59	55	51	46	60	56	51	46	-8.5	-9.3	-8.5	-9.3	55	50	NO	NO	NO
3	3_0522		Residential	G	E	60	56	51	47	61	57	52	47	-8.7	-9.5	-8.7	-9.5	55	50	NO	NO	NO
3	3_0523		Residential	G	E	54	49	50	45	54	50	50	46	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0524		Residential	G	E	53	48	49	44	53	49	50	45	-3.6	-3.7	-3.5	-3.8	55	50	NO	NO	NO
3	3_0525		Residential	G	E	54	49	50	45	54	50	51	46	-3.7	-3.7	-3.8	-3.8	55	50	NO	NO	NO
3	3_0526		Residential	G	E	53	48	49	44	53	49	50	45	-3.3	-3.5	-3.4	-3.6	55	50	NO	NO	NO
3	3_0527		Residential	G	E	53	48	50	45	54	49	50	45	-3.6	-3.7	-3.7	-3.7	55	50	NO	NO	NO
3	3_0528		Residential	G	E	53	48	49	45	53	49	50	45	-3.3	-3.4	-3.3	-3.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0528		Residential	1	N	56	50	51	46	56	51	52	47	-4.4	-4.2	-4.6	-4.5	55	50	NO	NO	NO
3	3_0529		Residential	G	E	53	48	50	45	53	49	51	46	-2.8	-2.9	-2.8	-3	55	50	NO	NO	NO
3	3_0530		Residential	G	E	53	48	50	45	54	49	51	46	-2.9	-3	-3	-3	55	50	NO	NO	NO
3	3_0531		Residential	G	E	53	48	50	45	54	49	51	46	-2.9	-3	-2.9	-3.1	55	50	NO	NO	NO
3	3_0532		Residential	G	E	54	49	51	46	54	49	51	46	-3.1	-3.2	-3.1	-3.2	55	50	NO	NO	NO
3	3_0533		Residential	G	E	54	49	51	46	54	50	51	46	-3.1	-3.2	-3	-3.2	55	50	NO	NO	NO
3	3_0534		Residential	G	E	54	49	51	46	54	50	51	46	-3	-3.1	-3.1	-3.2	55	50	NO	NO	NO
3	3_0535		Residential	G	E	53	48	51	46	54	49	51	46	-2.6	-2.6	-2.5	-2.7	55	50	NO	NO	NO
3	3_0536		Residential	G	E	53	49	51	46	54	49	51	46	-2.6	-2.8	-2.7	-2.8	55	50	NO	NO	NO
3	3_0537		Residential	G	S	52	46	51	46	52	47	51	46	-0.8	-0.4	-0.7	-0.5	55	50	NO	NO	NO
3	3_0538		Residential	G	S	52	46	51	46	52	47	51	46	-0.6	-0.2	-0.6	-0.2	55	50	NO	NO	NO
3	3_0539		Residential	G	S	52	46	51	46	52	47	52	46	-0.5	0	-0.4	-0.1	55	50	NO	NO	NO
3	3_0540		Residential	G	E	53	48	51	46	54	49	51	46	-2.3	-2.2	-2.4	-2.4	55	50	NO	NO	NO
3	3_0541		Residential	G	E	53	48	51	46	54	49	51	46	-2.5	-2.4	-2.4	-2.4	55	50	NO	NO	NO
3	3_0542		Residential	G	E	54	49	51	46	54	49	51	46	-2.7	-2.6	-2.8	-2.8	55	50	NO	NO	NO
3	3_0543		Residential	G	E	53	48	51	46	54	49	51	46	-2.6	-2.7	-2.7	-2.7	55	50	NO	NO	NO
3	3_0544		Residential	G	E	53	48	50	45	53	49	51	46	-2.9	-2.9	-2.8	-3	55	50	NO	NO	NO
3	3_0544		Residential	1	N	56	50	52	46	56	51	52	47	-4.1	-4	-4.3	-4.2	55	50	NO	NO	NO
3	3_0545		Residential	G	E	54	49	50	45	54	49	51	46	-3.2	-3.2	-3.3	-3.3	55	50	NO	NO	NO
3	3_0546		Residential	G	E	52	47	50	45	53	48	50	45	-2.5	-2.4	-2.5	-2.5	55	50	NO	NO	NO
3	3_0547		Residential	G	E	53	48	50	45	54	49	51	46	-3.1	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0548		Residential	G	E	53	49	50	45	54	49	51	46	-3.2	-3.3	-3.3	-3.4	55	50	NO	NO	NO
3	3_0549		Residential	G	E	53	48	50	45	54	49	51	46	-3.2	-3.2	-3.2	-3.4	55	50	NO	NO	NO
3	3_0550		Residential	G	E	53	48	50	45	54	49	50	46	-3.2	-3.2	-3.3	-3.4	55	50	NO	NO	NO
3	3_0551		Residential	G	E	53	48	50	45	54	49	51	46	-3.3	-3.4	-3.5	-3.5	55	50	NO	NO	NO
3	3_0552		Residential	G	E	53	48	50	45	54	49	50	45	-3.2	-3.3	-3.4	-3.3	55	50	NO	NO	NO
3	3_0553		Residential	G	E	53	48	50	45	54	49	50	45	-3	-3	-3.1	-3.1	55	50	NO	NO	NO
3	3_0554		Residential	G	E	53	48	50	45	53	48	50	45	-3.1	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0555		Residential	G	E	53	48	50	45	54	49	50	45	-3.1	-3	-3.3	-3.1	55	50	NO	NO	NO
3	3_0556		Residential	G	E	54	49	50	45	54	49	51	46	-3.1	-3.1	-3.3	-3.3	55	50	NO	NO	NO
3	3_0557		Residential	G	E	54	49	51	46	54	49	51	46	-3.1	-3	-3.2	-3.2	55	50	NO	NO	NO
3	3_0558		Residential	G	E	54	49	51	46	54	49	51	46	-3	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0559		Residential	G	E	53	48	50	45	54	49	51	46	-3	-2.9	-3.1	-3.1	55	50	NO	NO	NO
3	3_0560		Residential	G	E	54	49	51	46	54	49	51	46	-3.1	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0561		Residential	G	E	53	48	50	45	54	49	51	46	-2.7	-2.7	-2.9	-2.8	55	50	NO	NO	NO
3	3_0562		Residential	G	E	53	48	51	46	54	49	51	46	-2.7	-2.5	-2.8	-2.7	55	50	NO	NO	NO
3	3_0563		Residential	G	E	54	48	51	46	54	49	51	46	-2.6	-2.5	-2.7	-2.6	55	50	NO	NO	NO
3	3_0564		Residential	G	E	53	48	51	46	54	49	51	46	-2.5	-2.3	-2.5	-2.5	55	50	NO	NO	NO
3	3_0565		Residential	G	E	53	48	51	46	54	49	51	46	-2.3	-2.1	-2.4	-2.2	55	50	NO	NO	NO
3	3_0566		Residential	G	E	53	48	51	46	54	49	52	46	-2.1	-1.9	-2.1	-2.1	55	50	NO	NO	NO
3	3_0567		Residential	G	E	53	48	51	46	54	48	52	47	-2.1	-1.9	-2.2	-1.9	55	50	NO	NO	NO
3	3_0568		Residential	G	S	52	46	52	46	52	46	52	47	0	0.6	0	0.5	55	50	NO	NO	NO
3	3_0569		Residential	G	S	51	45	51	46	52	46	52	47	0.3	1	0.3	0.8	55	50	NO	NO	NO
3	3_0570		Residential	G	W	52	46	51	45	53	46	51	46	-1	-0.3	-1.3	-0.5	55	50	NO	NO	NO
3	3_0571		Residential	G	E	53	48	51	46	54	49	52	47	-2.1	-1.9	-2.2	-2.1	55	50	NO	NO	NO
3	3_0572		Residential	G	E	53	48	51	46	54	49	52	47	-2.2	-2.1	-2.3	-2.3	55	50	NO	NO	NO
3	3_0573		Residential	G	E	53	48	51	46	54	49	51	46	-2.4	-2.2	-2.6	-2.4	55	50	NO	NO	NO
3	3_0574		Residential	G	E	53	48	51	46	53	48	51	46	-2.1	-2.1	-2.1	-2.3	55	50	NO	NO	NO
3	3_0575		Residential	G	E	53	48	51	46	54	49	51	46	-2.6	-2.4	-2.7	-2.6	55	50	NO	NO	NO
3	3_0576		Residential	G	E	53	48	50	45	54	49	51	46	-3.1	-3	-3.2	-3.1	55	50	NO	NO	NO
3	3_0576		Residential	1	E	55	50	52	47	56	50	52	47	-3.4	-3.1	-3.5	-3.3	55	50	NO	NO	NO
3	3_0577		Residential	G	E	53	48	50	45	54	49	51	46	-3.2	-3.1	-3.3	-3.2	55	50	NO	NO	NO
3	3_0577		Residential	1	N	56	50	52	47	57	51	52	47	-3.9	-3.7	-4.2	-4	55	50	NO	NO	NO
3	3_0578		Residential	G	E	54	49	51	46	54	49	51	46	-3.2	-3	-3.3	-3.2	55	50	NO	NO	NO
3	3_0579		Residential	G	E	54	49	51	46	54	49	51	46	-3.2	-3	-3.3	-3.2	55	50	NO	NO	NO
3	3_0580		Residential	G	E	54	49	51	46	55	50	51	46	-3.4	-3.1	-3.6	-3.3	55	50	NO	NO	NO
3	3_0581		Residential	G	E	54	48	50	45	54	49	51	46	-3.2	-3	-3.4	-3.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0582		Residential	G	E	54	49	51	46	55	49	51	46	-3.4	-3.1	-3.6	-3.3	55	50	NO	NO	NO
3	3_0583		Residential	G	E	53	48	50	45	54	48	51	46	-2.9	-2.8	-3.1	-2.9	55	50	NO	NO	NO
3	3_0584		Residential	G	E	54	49	51	45	55	49	51	46	-3.4	-3.2	-3.6	-3.4	55	50	NO	NO	NO
3	3_0585		Residential	G	E	54	49	50	45	55	49	51	46	-3.9	-3.8	-4.1	-3.9	55	50	NO	NO	NO
3	3_0585		Residential	1	E	56	50	51	46	56	51	52	47	-4.1	-3.9	-4.3	-4.1	55	50	NO	NO	NO
3	3_0586		Residential	G	E	53	48	50	45	54	49	50	45	-3.7	-3.6	-3.9	-3.7	55	50	NO	NO	NO
3	3_0586		Residential	1	E	55	50	51	46	56	51	52	47	-4	-3.8	-4.2	-3.9	55	50	NO	NO	NO
3	3_0587		Residential	G	E	54	48	50	45	54	49	50	45	-3.6	-3.4	-3.7	-3.5	55	50	NO	NO	NO
3	3_0587		Residential	1	E	55	50	51	46	56	51	52	47	-3.8	-3.7	-4	-3.9	55	50	NO	NO	NO
3	3_0588		Residential	G	E	53	48	50	45	54	49	51	46	-3	-2.8	-3.3	-3	55	50	NO	NO	NO
3	3_0589		Residential	G	E	53	48	50	45	54	48	50	45	-3.1	-2.9	-3.3	-3	55	50	NO	NO	NO
3	3_0590		Residential	G	W	52	46	50	45	53	46	51	45	-1.4	-0.7	-1.7	-0.9	55	50	NO	NO	NO
3	3_0591		Residential	G	W	52	46	50	45	53	46	51	45	-1.6	-0.9	-1.9	-1.1	55	50	NO	NO	NO
3	3_0592		Residential	G	E	53	47	50	45	53	48	51	45	-2.5	-2.1	-2.7	-2.3	55	50	NO	NO	NO
3	3_0593		Residential	G	N	53	47	50	45	53	48	51	46	-2.2	-1.8	-2.5	-2	55	50	NO	NO	NO
3	3_0594		Residential	G	W	52	45	50	44	52	46	51	45	-1.5	-0.6	-1.8	-0.8	55	50	NO	NO	NO
3	3_0594		Residential	1	W	54	47	52	46	55	48	52	47	-1.9	-1.1	-2.3	-1.4	55	50	NO	NO	NO
3	3_0595		Residential	G	W	52	45	51	45	52	46	51	46	-0.9	-0.1	-1.2	-0.3	55	50	NO	NO	NO
3	3_0596		Residential	G	E	52	47	51	45	53	48	51	46	-1.9	-1.6	-2.1	-1.7	55	50	NO	NO	NO
3	3_0597		Residential	G	E	52	47	50	45	53	47	51	46	-1.8	-1.4	-1.9	-1.5	55	50	NO	NO	NO
3	3_0598		Residential	G	E	52	47	51	45	53	47	51	46	-1.7	-1.3	-1.8	-1.4	55	50	NO	NO	NO
3	3_0599		Residential	G	E	52	47	51	46	53	48	51	46	-1.5	-1.2	-1.7	-1.2	55	50	NO	NO	NO
3	3_0600		Residential	G	S	51	45	51	46	51	46	51	46	0.1	0.6	0.1	0.5	55	50	NO	NO	NO
3	3_0601		Residential	G	S	52	46	51	46	52	46	52	47	-0.2	0.4	-0.2	0.3	55	50	NO	NO	NO
3	3_0602		Residential	G	S	51	46	51	46	52	46	52	47	0	0.6	0.1	0.5	55	50	NO	NO	NO
3	3_0603		Residential	G	S	51	45	51	46	51	46	52	46	0.2	0.9	0.3	0.8	55	50	NO	NO	NO
3	3_0604		Residential	G	S	51	45	51	46	52	46	52	47	0.2	0.9	0.3	0.8	55	50	NO	NO	NO
3	3_0605		Residential	G	S	52	46	52	46	52	46	52	47	0	0.7	0.1	0.6	55	50	NO	NO	NO
3	3_0606		Residential	G	S	51	46	52	46	52	46	52	47	0.3	0.9	0.3	0.8	55	50	NO	NO	NO
3	3_0607		Residential	G	S	51	45	52	46	52	46	52	47	0.5	1.2	0.5	1.1	55	50	NO	NO	NO
3	3_0608		Residential	G	S	51	45	51	46	51	45	52	47	0.6	1.3	0.7	1.4	55	50	NO	NO	NO
3	3_0609		Residential	G	S	51	45	51	46	51	45	52	47	0.8	1.5	0.8	1.4	55	50	NO	NO	NO
3	3_0610		Residential	G	S	50	44	51	46	51	45	52	47	0.9	1.6	0.9	1.4	55	50	NO	NO	NO
3	3_0611		Residential	G	S	49	43	51	46	50	44	52	46	2	2.9	2.1	2.8	55	50	NO	NO	NO
3	3_0611		Residential	1	S	53	47	53	47	53	47	53	48	-0.1	0.8	-0.1	0.7	55	50	NO	NO	NO
3	3_0612		Residential	G	S	48	41	50	45	48	42	51	45	2.2	3.3	2.4	3.4	55	50	NO	NO	NO
3	3_0612		Residential	1	S	52	46	52	47	52	46	53	47	0.2	1.1	0.3	1.1	55	50	NO	NO	NO
3	3_0613		Residential	G	S	48	42	51	45	49	42	51	46	2.3	3.4	2.4	3.5	55	50	NO	NO	NO
3	3_0613		Residential	1	S	52	46	52	47	53	46	53	48	0.2	1.1	0.3	1.2	55	50	NO	NO	NO
3	3_0614		Residential	G	S	48	42	51	45	49	42	51	46	2.5	3.6	2.6	3.7	55	50	NO	NO	NO
3	3_0614		Residential	1	S	52	46	52	47	52	46	53	48	0.5	1.4	0.5	1.4	55	50	NO	NO	NO
3	3_0615		Residential	G	S	49	43	51	45	49	43	51	46	1.7	2.6	1.8	2.7	55	50	NO	NO	NO
3	3_0616		Residential	G	SE	50	44	50	45	50	45	51	46	0.8	1.4	0.9	1.3	55	50	NO	NO	NO
3	3_0617		Residential	G	S	48	42	51	45	49	42	51	46	2.5	3.4	2.6	3.5	55	50	NO	NO	NO
3	3_0617		Residential	1	S	51	45	52	47	52	46	53	47	0.7	1.4	0.7	1.4	55	50	NO	NO	NO
3	3_0618		Residential	G	W	52	46	51	45	53	47	51	46	-1.4	-0.5	-1.7	-0.8	55	50	NO	NO	NO
3	3_0619		Residential	G	W	52	46	51	45	53	47	51	46	-1.7	-0.9	-2	-1.2	55	50	NO	NO	NO
3	3_0620		Residential	G	W	52	46	51	45	53	47	51	46	-1.6	-0.7	-1.9	-1	55	50	NO	NO	NO
3	3_0621		Residential	G	W	52	46	51	45	53	47	51	46	-1.5	-0.6	-1.8	-0.9	55	50	NO	NO	NO
3	3_0622		Residential	G	W	52	45	50	45	52	46	51	46	-1.3	-0.5	-1.5	-0.7	55	50	NO	NO	NO
3	3_0623		Residential	G	SW	51	45	51	45	52	46	51	46	-0.7	0.2	-1	-0.1	55	50	NO	NO	NO
3	3_0624		Residential	G	S	50	44	50	45	50	44	51	45	0.5	1.2	0.3	1.1	55	50	NO	NO	NO
3	3_0625		Residential	G	S	49	44	50	45	50	44	51	45	0.7	1.2	0.6	1.2	55	50	NO	NO	NO
3	3_0626		Residential	G	S	49	44	50	45	50	44	51	45	0.7	1.2	0.6	1.2	55	50	NO	NO	NO
3	3_0627		Residential	G	S	49	44	50	45	50	44	51	45	0.7	1.3	0.7	1.3	55	50	NO	NO	NO
3	3_0628		Residential	G	S	49	43	50	45	50	44	51	45	0.7	1.4	0.7	1.2	55	50	NO	NO	NO
3	3_0629		Residential	G	S	49	43	50	45	50	44	51	45	0.7	1.3	0.6	1.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0630		Residential	G	SE	50	44	50	44	50	45	50	45	-0.1	0.4	-0.2	0.4	55	50	NO	NO	NO
3	3_0631		Residential	G	NW	52	46	50	45	53	46	51	45	-1.6	-0.8	-1.9	-1.1	55	50	NO	NO	NO
3	3_0632		Residential	G	W	51	45	50	45	52	46	50	45	-1.4	-0.5	-1.7	-0.8	55	50	NO	NO	NO
3	3_0633		Residential	G	W	51	45	50	45	52	46	51	45	-1.1	-0.2	-1.3	-0.5	55	50	NO	NO	NO
3	3_0634		Residential	G	W	51	45	50	45	52	46	51	45	-0.9	-0.1	-1.2	-0.2	55	50	NO	NO	NO
3	3_0635		Residential	G	W	51	45	50	45	52	45	51	46	-0.4	0.5	-0.7	0.2	55	50	NO	NO	NO
3	3_0636		Residential	G	W	52	45	51	45	52	46	51	46	-0.9	0	-1.1	-0.2	55	50	NO	NO	NO
3	3_0637		Residential	G	W	53	46	51	46	53	47	52	46	-1.2	-0.3	-1.5	-0.6	55	50	NO	NO	NO
3	3_0638		Residential	G	S	48	42	51	45	49	42	51	46	2.3	3.2	2.3	3.3	55	50	NO	NO	NO
3	3_0638		Residential	1	W	53	47	52	47	54	48	53	47	-1	-0.1	-1.3	-0.3	55	50	NO	NO	NO
3	3_0639		Residential	G	S	49	43	51	45	50	44	51	46	1.3	2.1	1.4	2.1	55	50	NO	NO	NO
3	3_0640		Residential	G	W	52	46	51	45	53	46	51	46	-1.4	-0.5	-1.7	-0.8	55	50	NO	NO	NO
3	3_0641		Residential	G	W	52	45	50	45	53	46	51	45	-1.4	-0.4	-1.8	-0.8	55	50	NO	NO	NO
3	3_0641		Residential	1	W	54	47	52	46	55	48	52	47	-1.7	-0.8	-2.1	-1.1	55	50	NO	NO	NO
3	3_0642		Residential	G	W	52	46	51	45	53	46	51	46	-1.2	-0.4	-1.5	-0.7	55	50	NO	NO	NO
3	3_0643		Residential	G	W	52	46	50	45	53	47	51	46	-1.5	-0.8	-1.8	-1	55	50	NO	NO	NO
3	3_0644		Residential	G	N	52	46	50	44	53	47	50	45	-2	-1.5	-2.2	-1.6	55	50	NO	NO	NO
3	3_0645		Residential	G	W	51	45	50	45	52	46	51	45	-1.2	-0.3	-1.5	-0.6	55	50	NO	NO	NO
3	3_0646		Residential	G	W	51	45	50	45	52	46	51	45	-1	-0.2	-1.4	-0.4	55	50	NO	NO	NO
3	3_0647		Residential	G	W	53	46	51	45	53	47	51	46	-1.6	-0.8	-1.9	-0.9	55	50	NO	NO	NO
3	3_0648		Residential	G	W	52	46	51	45	53	47	51	46	-1.3	-0.4	-1.5	-0.7	55	50	NO	NO	NO
3	3_0649		Residential	G	W	52	46	51	45	53	46	51	46	-1.3	-0.4	-1.6	-0.6	55	50	NO	NO	NO
3	3_0650		Residential	G	S	50	44	51	46	50	44	51	46	1.2	2	1.3	2	55	50	NO	NO	NO
3	3_0651		Residential	G	S	50	43	51	46	50	44	51	46	1.3	2.1	1.3	2.1	55	50	NO	NO	NO
3	3_0652		Residential	G	W	52	45	51	45	52	46	51	46	-0.8	0.1	-1	-0.1	55	50	NO	NO	NO
3	3_0653		Residential	G	W	51	45	51	45	52	46	51	46	-0.3	0.6	-0.5	0.4	55	50	NO	NO	NO
3	3_0654		Residential	G	W	52	45	51	45	52	46	51	46	-0.6	0.2	-0.9	0.1	55	50	NO	NO	NO
3	3_0655		Residential	G	W	52	45	51	45	52	46	51	46	-0.6	0.3	-0.9	0.1	55	50	NO	NO	NO
3	3_0656		Residential	G	W	51	45	51	45	52	46	51	46	-0.3	0.5	-0.6	0.3	55	50	NO	NO	NO
3	3_0657		Residential	G	W	52	45	51	46	53	46	52	46	-0.7	0.1	-1	-0.1	55	50	NO	NO	NO
3	3_0658		Residential	G	SW	51	45	51	45	52	46	51	46	-0.6	0.3	-0.9	0.2	55	50	NO	NO	NO
3	3_0659		Residential	G	W	51	45	51	45	52	46	51	46	-0.6	0.3	-0.9	0	55	50	NO	NO	NO
3	3_0660		Residential	G	SW	51	45	51	45	52	46	51	46	-0.6	0.3	-0.9	0	55	50	NO	NO	NO
3	3_0661		Residential	G	SW	52	45	51	45	52	46	51	46	-0.7	0.2	-1	0	55	50	NO	NO	NO
3	3_0662		Residential	G	SW	51	45	50	45	52	45	51	45	-0.6	0.3	-0.8	0.1	55	50	NO	NO	NO
3	3_0663		Residential	G	SW	51	45	50	45	52	46	51	45	-0.8	0	-1.1	-0.2	55	50	NO	NO	NO
3	3_0664		Residential	G	SW	51	45	50	45	52	46	51	45	-1.1	-0.1	-1.4	-0.4	55	50	NO	NO	NO
3	3_0665		Residential	G	SW	52	46	50	44	53	46	50	45	-2	-1.2	-2.4	-1.5	55	50	NO	NO	NO
3	3_0666		Residential	G	SW	52	45	50	44	53	46	51	45	-1.8	-0.9	-2.2	-1.3	55	50	NO	NO	NO
3	3_0667		Residential	G	W	50	44	50	44	51	44	51	45	-0.2	0.9	-0.6	0.5	55	50	NO	NO	NO
3	3_0667		Residential	1	W	54	47	52	47	55	48	53	47	-1.7	-0.8	-2	-1.1	55	50	NO	NO	NO
3	3_0668		Residential	G	SW	51	45	50	45	52	46	51	45	-0.8	0.1	-1.1	-0.2	55	50	NO	NO	NO
3	3_0669		Residential	G	SW	49	42	50	44	50	43	50	45	0.5	1.7	0.2	1.4	55	50	NO	NO	NO
3	3_0669		Residential	1	SW	53	47	52	46	54	47	52	47	-1.1	-0.2	-1.5	-0.5	55	50	NO	NO	NO
3	3_0670		Residential	G	NW	53	47	50	45	54	48	51	45	-2.6	-2	-2.9	-2.3	55	50	NO	NO	NO
3	3_0671		Residential	G	NW	53	47	51	45	53	47	51	46	-2.1	-1.4	-2.4	-1.7	55	50	NO	NO	NO
3	3_0672		Residential	G	SW	50	44	50	45	51	44	51	45	0.3	1.1	0	1	55	50	NO	NO	NO
3	3_0673		Residential	G	SW	51	44	50	45	51	45	51	45	-0.3	0.6	-0.5	0.5	55	50	NO	NO	NO
3	3_0674		Residential	G	SW	50	44	50	45	51	44	51	45	0.4	1.2	0.2	1.1	55	50	NO	NO	NO
3	3_0675		Residential	G	S	50	43	51	45	50	44	51	46	1.1	1.9	1.1	1.9	55	50	NO	NO	NO
3	3_0676		Residential	G	W	51	45	51	45	52	45	51	46	0	0.9	-0.3	0.7	55	50	NO	NO	NO
3	3_0677		Residential	G	SW	52	45	51	46	52	46	52	46	-0.2	0.7	-0.4	0.5	55	50	NO	NO	NO
3	3_0678		Residential	G	SW	51	45	51	46	52	45	52	46	0.1	1	-0.2	0.8	55	50	NO	NO	NO
3	3_0679		Residential	G	W	51	45	51	45	52	46	52	46	-0.4	0.4	-0.7	0.2	55	50	NO	NO	NO
3	3_0680		Residential	G	W	52	45	51	46	53	46	52	46	-0.8	0.1	-1.1	-0.2	55	50	NO	NO	NO
3	3_0681		Residential	G	NW	52	46	51	45	53	47	51	46	-1.8	-1.2	-2.2	-1.4	55	50	NO	NO	NO
3	3_0682		Residential	G	NW	53	46	50	45	53	47	51	45	-2.3	-1.6	-2.6	-1.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0683		Residential	G	NW	54	48	51	46	55	49	52	46	-3.2	-2.5	-3.6	-2.8	55	50	NO	NO	NO
3	3_0684		Residential	G	NW	54	48	51	45	55	49	51	46	-3.1	-2.5	-3.6	-2.9	55	50	NO	NO	NO
3	3_0685		Residential	G	NW	54	48	51	45	55	48	51	46	-3.1	-2.5	-3.5	-2.8	55	50	NO	NO	NO
3	3_0686		Residential	G	S	49	44	50	45	50	44	50	45	0.4	0.9	0.4	0.9	55	50	NO	NO	NO
3	3_0687		Residential	G	W	51	45	50	44	52	46	50	45	-1.4	-0.8	-1.7	-0.9	55	50	NO	NO	NO
3	3_0688		Residential	G	S	49	43	50	44	50	44	50	45	0.6	1.1	0.5	1.1	55	50	NO	NO	NO
3	3_0689		Residential	G	S	49	43	50	45	50	44	50	45	0.7	1.3	0.6	1.3	55	50	NO	NO	NO
3	3_0690		Residential	G	S	49	43	50	44	50	44	50	45	0.6	1.2	0.6	1.2	55	50	NO	NO	NO
3	3_0691		Residential	G	W	51	45	50	44	52	45	50	45	-0.9	-0.2	-1.2	-0.3	55	50	NO	NO	NO
3	3_0692		Residential	G	SW	51	45	50	44	52	45	50	45	-1	-0.2	-1.3	-0.4	55	50	NO	NO	NO
3	3_0693		Residential	G	W	51	45	50	44	52	45	50	45	-1.2	-0.4	-1.5	-0.5	55	50	NO	NO	NO
3	3_0694		Residential	G	NW	52	46	50	44	53	47	50	45	-2.3	-1.6	-2.6	-1.9	55	50	NO	NO	NO
3	3_0695		Residential	G	S	49	43	50	44	50	44	50	45	0.7	1.2	0.5	1.2	55	50	NO	NO	NO
3	3_0696		Residential	G	W	51	45	50	44	52	46	50	45	-1.6	-0.9	-2	-1.2	55	50	NO	NO	NO
3	3_0697		Residential	G	W	51	45	50	44	52	46	50	45	-1.4	-0.6	-1.7	-0.9	55	50	NO	NO	NO
3	3_0698		Residential	G	S	49	43	50	44	50	44	50	45	0.4	0.9	0.3	0.8	55	50	NO	NO	NO
3	3_0699		Residential	G	W	52	46	50	44	53	46	50	45	-1.9	-1.2	-2.3	-1.5	55	50	NO	NO	NO
3	3_0700		Residential	G	W	52	46	50	44	53	47	50	45	-2.1	-1.4	-2.5	-1.6	55	50	NO	NO	NO
3	3_0701		Residential	G	W	52	45	50	44	52	46	50	45	-1.7	-1	-2.1	-1.2	55	50	NO	NO	NO
3	3_0702		Residential	G	N	53	47	50	45	54	48	51	45	-3.4	-2.8	-3.8	-3.1	55	50	NO	NO	NO
3	3_0703		Residential	G	W	52	46	50	45	53	47	51	45	-2	-1.2	-2.3	-1.4	55	50	NO	NO	NO
3	3_0704		Residential	G	N	53	47	50	45	54	48	51	45	-3	-2.5	-3.4	-2.8	55	50	NO	NO	NO
3	3_0705		Residential	G	W	52	45	50	44	52	46	50	45	-1.7	-0.9	-2	-1.1	55	50	NO	NO	NO
3	3_0706		Residential	G	NW	52	46	50	45	53	47	51	45	-2.4	-1.8	-2.8	-2	55	50	NO	NO	NO
3	3_0707		Residential	G	NW	52	46	50	45	53	47	50	45	-2.5	-1.8	-2.9	-2.1	55	50	NO	NO	NO
3	3_0708		Residential	G	NW	52	46	50	44	53	47	50	45	-2.6	-1.9	-3	-2.2	55	50	NO	NO	NO
3	3_0709		Residential	G	S	49	43	49	44	50	44	50	45	0.1	0.7	0	0.7	55	50	NO	NO	NO
3	3_0710		Residential	G	W	51	44	49	44	52	45	50	44	-1.7	-0.8	-2	-1.2	55	50	NO	NO	NO
3	3_0711		Residential	G	SW	53	46	53	47	54	47	53	47	-0.5	0.3	-0.9	0	55	50	NO	NO	NO
3	3_0712		Residential	G	SW	53	46	53	47	54	47	53	47	-0.2	0.6	-0.5	0.4	55	50	NO	NO	NO
3	3_0713		Residential	G	SW	53	46	52	46	54	47	53	47	-1	0	-1.3	-0.4	55	50	NO	NO	NO
3	3_0714		Residential	G	NW	56	50	53	47	57	51	53	47	-3.8	-3.2	-4.3	-3.6	55	50	NO	NO	NO
3	3_0715		Residential	G	W	53	46	52	46	54	47	52	46	-1.5	-0.6	-1.9	-1	55	50	NO	NO	NO
3	3_0716		Residential	G	NW	56	50	52	47	57	51	53	47	-4.1	-3.5	-4.6	-3.9	55	50	NO	NO	NO
3	3_0717		Residential	G	NW	57	51	53	47	58	51	53	47	-4.3	-3.8	-4.8	-4.2	55	50	NO	NO	NO
3	3_0718		Residential	G	SW	53	46	51	46	54	47	52	46	-1.4	-0.5	-1.8	-0.8	55	50	NO	NO	NO
3	3_0719		Residential	G	SW	53	46	51	45	54	47	52	46	-1.7	-0.8	-2.1	-1.2	55	50	NO	NO	NO
3	3_0720		Residential	G	NE	55	49	51	45	56	50	51	46	-4.4	-3.8	-4.9	-4.3	55	50	NO	NO	NO
3	3_0721		Residential	G	SW	52	46	51	45	53	47	52	46	-1.2	-0.4	-1.6	-0.7	55	50	NO	NO	NO
3	3_0722		Residential	G	NW	55	49	52	46	56	50	52	46	-3.5	-2.8	-4	-3.2	55	50	NO	NO	NO
3	3_0723		Residential	G	NW	56	50	52	46	57	51	52	46	-4.4	-3.7	-4.9	-4.2	55	50	NO	NO	NO
3	3_0724		Residential	G	NW	53	47	51	45	54	48	51	46	-2.6	-1.7	-2.9	-2.1	55	50	NO	NO	NO
3	3_0725		Residential	G	NW	53	47	51	45	54	48	51	46	-2.6	-2	-2.9	-2.3	55	50	NO	NO	NO
3	3_0726		Residential	G	SW	52	46	50	45	53	47	51	45	-1.9	-1.1	-2.3	-1.4	55	50	NO	NO	NO
3	3_0727		Residential	G	NW	56	50	52	46	57	51	52	47	-4.5	-3.9	-5.1	-4.4	55	50	NO	NO	NO
3	3_0728		Residential	G	NW	56	50	52	46	57	51	52	46	-4.6	-4	-5.1	-4.5	55	50	NO	NO	NO
3	3_0729		Residential	G	NW	56	50	52	46	57	51	52	46	-4.6	-4	-5.2	-4.5	55	50	NO	NO	NO
3	3_0730		Residential	G	NW	56	50	52	46	57	51	52	46	-4.7	-4.1	-5.2	-4.5	55	50	NO	NO	NO
3	3_0731		Residential	G	NW	57	50	52	46	57	51	52	46	-4.8	-4.1	-5.3	-4.7	55	50	NO	NO	NO
3	3_0732		Residential	G	NW	56	50	51	45	57	51	51	45	-5.4	-4.9	-6	-5.4	55	50	NO	NO	NO
3	3_0732		Residential	1	NW	57	51	53	47	58	52	53	47	-4.8	-4.3	-5.4	-4.8	55	50	NO	NO	NO
3	3_0733		Residential	G	N	57	50	52	46	58	51	52	46	-5	-4.5	-5.7	-5	55	50	NO	NO	NO
3	3_0734		Residential	G	N	56	50	51	45	57	51	52	46	-5	-4.3	-5.6	-4.9	55	50	NO	NO	NO
3	3_0735		Residential	G	E	55	49	50	46	55	50	51	46	-4.2	-3.9	-4.3	-4.1	55	50	NO	NO	NO
3	3_0735		Residential	1	N	57	52	52	47	58	53	53	48	-5	-4.7	-5.4	-5	55	50	NO	NO	NO
3	3_0736		Residential	G	W	52	46	50	44	53	47	50	45	-2.4	-1.6	-2.8	-1.9	55	50	NO	NO	NO
3	3_0737		Residential	G	S	50	44	50	44	50	44	50	45	0.2	0.7	0	0.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0738		Residential	G	W	54	47	51	45	54	48	51	46	-2.9	-2.1	-3.3	-2.5	55	50	NO	NO	NO
3	3_0739		Residential	G	W	54	47	50	45	55	48	51	45	-3.3	-2.6	-3.8	-2.9	55	50	NO	NO	NO
3	3_0740		Residential	G	NW	54	48	50	45	55	49	51	45	-3.4	-3	-3.9	-3.3	55	50	NO	NO	NO
3	3_0741		Residential	G	N	53	48	50	44	54	48	50	45	-3.4	-3.1	-3.8	-3.4	55	50	NO	NO	NO
3	3_0742		Residential	G	N	52	47	49	44	53	48	49	44	-3.4	-3.2	-3.7	-3.4	55	50	NO	NO	NO
3	3_0743		Residential	G	E	55	50	51	46	56	51	52	47	-4.3	-4	-4.6	-4.2	55	50	NO	NO	NO
3	3_0744		Residential	G	W	54	48	50	44	55	48	50	45	-4.1	-3.4	-4.6	-3.9	55	50	NO	NO	NO
3	3_0745		Residential	G	E	56	51	51	46	57	51	52	47	-4.4	-4.1	-4.7	-4.4	55	50	NO	NO	NO
3	3_0746		Residential	G	N	58	52	52	47	59	53	53	47	-5.3	-4.9	-5.8	-5.3	55	50	NO	NO	NO
3	3_0747		Residential	G	N	58	52	53	47	59	53	53	48	-5.3	-4.9	-5.7	-5.3	55	50	NO	NO	NO
3	3_0748		Residential	G	NW	57	51	52	47	58	52	52	47	-5	-4.6	-5.6	-5	55	50	NO	NO	NO
3	3_0749		Residential	G	N	57	51	52	47	58	52	52	47	-5.2	-4.8	-5.6	-5.2	55	50	NO	NO	NO
3	3_0750		Residential	G	N	55	50	51	46	56	51	51	46	-4.6	-4.5	-5	-4.8	55	50	NO	NO	NO
3	3_0751		Residential	G	N	58	52	52	47	58	53	53	47	-5.3	-4.9	-5.7	-5.3	55	50	NO	NO	NO
3	3_0752		Residential	G	N	57	51	52	46	57	52	52	47	-5	-4.8	-5.3	-5.1	55	50	NO	NO	NO
3	3_0753		Residential	G	N	58	52	52	47	58	53	53	48	-5.2	-5	-5.6	-5.3	55	50	NO	NO	NO
3	3_0754		Residential	G	N	57	52	52	47	58	53	52	47	-5.4	-5.1	-5.7	-5.4	55	50	NO	NO	NO
3	3_0755		Residential	G	N	56	51	51	46	57	52	52	47	-5	-4.7	-5.5	-5.1	55	50	NO	NO	NO
3	3_0756		Residential	G	N	58	52	52	47	58	53	53	48	-5.3	-5.1	-5.7	-5.3	55	50	NO	NO	NO
3	3_0757		Residential	G	N	57	52	52	47	58	53	52	47	-5.4	-5.2	-5.8	-5.5	55	50	NO	NO	NO
3	3_0758		Residential	G	N	58	52	52	47	58	53	53	48	-5.4	-5.2	-5.8	-5.5	55	50	NO	NO	NO
3	3_0759		Residential	G	N	58	53	52	47	58	53	53	48	-5.5	-5.4	-5.8	-5.7	55	50	NO	NO	NO
3	3_0760		Residential	G	N	58	53	52	47	59	53	53	48	-5.5	-5.5	-5.8	-5.7	55	50	NO	NO	NO
3	3_0761		Residential	G	NW	58	53	52	47	59	53	53	48	-5.3	-5.3	-5.7	-5.6	55	50	NO	NO	NO
3	3_0762		Residential	G	NW	59	54	52	47	59	54	53	48	-6.3	-6.6	-6.6	-6.8	55	50	NO	NO	NO
3	3_0763		Residential	G	E	53	48	50	45	54	49	51	46	-3.1	-3.1	-3.3	-3.2	55	50	NO	NO	NO
3	3_0764		Residential	G	E	54	49	50	45	55	50	51	46	-3.9	-3.7	-4.1	-3.9	55	50	NO	NO	NO
3	3_0765		Residential	G	N	55	50	50	45	56	50	51	46	-4.6	-4.4	-5	-4.6	55	50	NO	NO	NO
3	3_0766		Residential	G	E	53	48	49	45	54	49	50	45	-3.7	-3.7	-3.8	-3.7	55	50	NO	NO	NO
3	3_0766		Residential	1	N	57	52	52	47	58	53	53	48	-5	-4.8	-5.4	-5.1	55	50	NO	NO	NO
3	3_0767		Residential	G	N	55	50	50	45	56	50	50	45	-5.2	-5.1	-5.6	-5.4	55	50	NO	NO	NO
3	3_0767		Residential	1	N	58	52	52	47	58	53	53	48	-5.1	-4.9	-5.5	-5.2	55	50	NO	NO	NO
3	3_0768		Residential	G	N	55	50	51	45	56	51	51	46	-4.7	-4.7	-5.1	-4.9	55	50	NO	NO	NO
3	3_0769		Residential	G	N	55	50	51	45	56	51	51	46	-4.7	-4.6	-5	-4.8	55	50	NO	NO	NO
3	3_0770		Residential	G	N	56	51	51	46	57	52	52	47	-5.1	-5.1	-5.3	-5.2	55	50	NO	NO	NO
3	3_0771		Residential	G	N	58	54	52	47	59	54	52	47	-6.7	-7	-7	-7.2	55	50	NO	NO	NO
3	3_0772		Residential	G	N	57	52	51	46	57	52	52	46	-5.8	-5.9	-5.9	-6	55	50	NO	NO	NO
3	3_0773		Residential	G	N	56	51	51	46	57	52	52	47	-5	-5	-5.1	-5.1	55	50	NO	NO	NO
3	3_0774		Residential	G	N	56	52	52	47	57	52	52	47	-4.8	-4.7	-4.9	-4.9	55	50	NO	NO	NO
3	3_0775		Residential	G	N	59	54	52	47	60	55	53	48	-6.8	-6.9	-7	-7	55	50	NO	NO	NO
3	3_0776		Residential	G	N	59	54	53	48	59	54	53	48	-5.9	-6	-6.2	-6.1	55	50	NO	NO	NO
3	3_0777		Residential	G	N	58	53	53	48	59	54	53	48	-5.6	-5.7	-5.9	-5.8	55	50	NO	NO	NO
3	3_0778		Residential	G	N	58	53	53	48	59	54	53	48	-5.4	-5.3	-5.7	-5.6	55	50	NO	NO	NO
3	3_0779		Residential	G	NE	56	51	52	47	56	52	52	48	-3.9	-3.9	-4	-4	55	50	NO	NO	NO
3	3_0780		Residential	G	NE	56	51	52	47	56	52	52	48	-3.9	-3.9	-4	-4	55	50	NO	NO	NO
3	3_0781		Residential	G	NE	56	51	52	47	57	52	53	48	-4	-4.1	-4.1	-4.2	55	50	NO	NO	NO
3	3_0782		Residential	G	N	58	53	53	48	59	54	53	48	-5.2	-5.1	-5.5	-5.4	55	50	NO	NO	NO
3	3_0783		Residential	G	NE	55	50	51	47	56	51	52	47	-3.6	-3.6	-3.7	-3.8	55	50	NO	NO	NO
3	3_0784		Residential	G	NE	55	50	51	46	55	51	52	47	-3.5	-3.7	-3.6	-3.7	55	50	NO	NO	NO
3	3_0785		Residential	G	NE	56	51	52	47	56	52	52	48	-3.9	-4	-4	-4	55	50	NO	NO	NO
3	3_0786		Residential	G	NE	55	51	52	47	56	51	52	47	-3.6	-3.8	-3.6	-3.8	55	50	NO	NO	NO
3	3_0787		Residential	G	NE	55	51	52	47	56	51	52	47	-3.6	-3.8	-3.7	-3.9	55	50	NO	NO	NO
3	3_0788		Residential	G	NE	55	51	52	47	56	51	52	48	-3.8	-3.8	-3.9	-3.9	55	50	NO	NO	NO
3	3_0789		Residential	G	NE	56	51	52	47	56	52	52	48	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0790		Residential	G	NE	57	52	53	48	57	53	53	48	-4.1	-4.2	-4.2	-4.3	55	50	NO	NO	NO
3	3_0791		Residential	G	NW	58	53	53	48	59	54	54	49	-5.1	-5	-5.3	-5.2	55	50	NO	NO	NO
3	3_0792		Residential	G	NW	59	54	54	49	60	55	54	50	-5.1	-4.9	-5.2	-5.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0793		Residential	G	NE	58	53	54	49	58	54	54	49	-4.3	-4.4	-4.5	-4.5	55	50	NO	NO	NO
3	3_0794		Residential	G	NE	57	53	53	49	58	54	54	49	-4.2	-4.3	-4.3	-4.4	55	50	NO	NO	NO
3	3_0795		Residential	G	NE	57	52	52	48	57	53	53	48	-4.1	-4.1	-4.2	-4.2	55	50	NO	NO	NO
3	3_0796		Residential	G	NE	55	51	52	47	56	51	52	47	-3.7	-3.8	-3.9	-3.8	55	50	NO	NO	NO
3	3_0797		Residential	G	NW	59	55	54	50	60	55	55	50	-4.7	-4.7	-5	-4.8	55	50	NO	NO	NO
3	3_0798		Residential	G	SW	57	52	52	48	57	52	53	48	-4.1	-3.9	-4.3	-4	55	50	NO	NO	NO
3	3_0799		Residential	G	SW	56	51	52	48	57	52	53	48	-3.9	-3.7	-4.2	-3.8	55	50	NO	NO	NO
3	3_0800		Residential	G	NE	56	51	52	47	56	52	52	48	-3.9	-4.1	-4	-4.2	55	50	NO	NO	NO
3	3_0801		Residential	G	SW	55	50	52	47	56	51	52	47	-3.5	-3.3	-3.7	-3.4	55	50	NO	NO	NO
3	3_0802		Residential	G	SW	55	50	51	47	55	50	52	47	-3.4	-3.3	-3.5	-3.3	55	50	NO	NO	NO
3	3_0803		Residential	G	SW	54	49	51	46	55	50	52	47	-3.2	-3.1	-3.3	-3.1	55	50	NO	NO	NO
3	3_0804		Residential	G	NE	55	50	51	47	56	51	52	47	-3.6	-3.7	-3.7	-3.9	55	50	NO	NO	NO
3	3_0805		Residential	G	SW	55	50	51	47	55	50	52	47	-3.4	-3.2	-3.5	-3.2	55	50	NO	NO	NO
3	3_0806		Residential	G	NW	60	55	55	51	61	56	56	51	-4.7	-4.5	-4.9	-4.7	55	50	NO	NO	NO
3	3_0807		Residential	G	NE	57	53	53	49	58	54	54	49	-4.3	-4.4	-4.4	-4.6	55	50	NO	NO	NO
3	3_0808		Residential	G	NE	58	54	54	49	59	54	54	49	-4.4	-4.6	-4.6	-4.7	55	50	NO	NO	NO
3	3_0809		Residential	G	NE	57	53	53	48	58	53	53	48	-4.4	-4.5	-4.6	-4.7	55	50	NO	NO	NO
3	3_0809		Residential	1	NE	60	56	56	51	60	56	56	52	-4.3	-4.3	-4.3	-4.4	55	50	NO	NO	NO
3	3_0810		Residential	G	NW	56	51	52	47	56	52	52	48	-4	-3.9	-4	-3.9	55	50	NO	NO	NO
3	3_0811		Residential	G	NE	55	51	52	47	56	51	52	47	-3.8	-4	-3.8	-4.1	55	50	NO	NO	NO
3	3_0812		Residential	G	E	55	51	52	47	56	51	52	48	-3.6	-3.7	-3.6	-3.8	55	50	NO	NO	NO
3	3_0813		Residential	G	N	55	50	51	46	56	51	51	47	-4.2	-4.2	-4.3	-4.4	55	50	NO	NO	NO
3	3_0814		Residential	G	N	57	52	52	48	57	53	53	49	-4.1	-4	-4.1	-4	55	50	NO	NO	NO
3	3_0815		Residential	G	N	55	50	50	45	55	51	50	46	-4.9	-4.8	-5	-5	55	50	NO	NO	NO
3	3_0815		Residential	1	W	57	53	54	49	58	53	54	50	-3.8	-3.8	-3.9	-3.8	55	50	NO	NO	NO
3	3_0816		Residential	G	E	55	50	51	46	55	51	52	47	-3.4	-3.6	-3.5	-3.6	55	50	NO	NO	NO
3	3_0817		Residential	G	N	55	51	51	46	56	51	51	47	-4.2	-4.3	-4.4	-4.4	55	50	NO	NO	NO
3	3_0818		Residential	G	W	55	50	51	46	55	51	52	47	-3.7	-3.6	-3.8	-3.7	55	50	NO	NO	NO
3	3_0819		Residential	G	N	55	51	51	46	56	51	52	47	-4.2	-4.3	-4.4	-4.4	55	50	NO	NO	NO
3	3_0820		Residential	G	W	55	51	52	47	56	51	52	47	-3.8	-3.7	-3.9	-3.9	55	50	NO	NO	NO
3	3_0821		Residential	G	N	56	51	52	47	57	52	52	48	-4.3	-4.4	-4.4	-4.5	55	50	NO	NO	NO
3	3_0822		Residential	G	E	55	51	52	47	56	52	53	48	-3.3	-3.6	-3.4	-3.7	55	50	NO	NO	NO
3	3_0823		Residential	G	W	56	51	52	47	57	52	53	48	-3.8	-3.8	-3.9	-3.9	55	50	NO	NO	NO
3	3_0824		Residential	G	N	57	53	53	48	58	53	53	49	-4.2	-4.4	-4.3	-4.5	55	50	NO	NO	NO
3	3_0825		Residential	G	N	57	53	53	48	58	53	53	49	-4.2	-4.3	-4.3	-4.4	55	50	NO	NO	NO
3	3_0826		Residential	G	N	57	53	53	48	58	53	54	49	-4.2	-4.3	-4.2	-4.5	55	50	NO	NO	NO
3	3_0827		Residential	G	N	57	53	53	49	58	54	54	49	-4.2	-4.3	-4.2	-4.5	55	50	NO	NO	NO
3	3_0828		Residential	G	N	58	54	54	49	59	54	54	50	-4.2	-4.5	-4.4	-4.6	55	50	NO	NO	NO
3	3_0829		Residential	G	N	59	55	55	50	60	55	55	51	-4.4	-4.5	-4.5	-4.6	55	50	NO	NO	NO
3	3_0830		Residential	G	NE	59	55	55	50	60	55	55	51	-4.4	-4.5	-4.4	-4.6	55	50	NO	NO	NO
3	3_0831		Residential	G	N	60	55	55	51	60	56	56	51	-4.4	-4.5	-4.5	-4.7	55	50	NO	NO	NO
3	3_0832		Residential	G	NE	59	55	55	50	60	55	55	51	-4.2	-4.4	-4.4	-4.5	55	50	NO	NO	NO
3	3_0833		Residential	G	NE	59	55	55	50	60	55	55	51	-4.3	-4.5	-4.4	-4.6	55	50	NO	NO	NO
3	3_0834		Residential	G	NE	60	56	56	51	60	56	56	52	-4.3	-4.5	-4.4	-4.6	55	50	NO	NO	NO
3	3_0835		Residential	G	NE	61	57	57	52	62	57	57	53	-4.4	-4.5	-4.5	-4.6	55	50	NO	NO	NO
3	3_0836		Residential	G	N	63	59	59	54	64	60	59	55	-4.7	-4.8	-4.8	-4.9	55	50	NO	NO	NO
3	3_0837		Residential	G	N	63	59	59	54	64	60	59	55	-4.8	-4.8	-4.8	-4.8	55	50	NO	NO	NO
3	3_0838		Residential	G	NE	63	59	59	54	64	60	59	55	-4.7	-4.8	-4.9	-4.9	55	50	NO	NO	NO
3	3_0839		Residential	G	N	63	58	58	54	63	59	58	54	-4.7	-4.8	-4.8	-4.9	55	50	NO	NO	NO
3	3_0840		Residential	G	NE	61	57	56	52	61	57	57	52	-4.5	-4.7	-4.6	-4.8	55	50	NO	NO	NO
3	3_0841		Residential	G	N	61	57	56	52	62	57	57	52	-4.7	-4.9	-4.7	-4.9	55	50	NO	NO	NO
3	3_0842		Residential	G	N	60	56	55	51	60	56	56	51	-4.5	-4.7	-4.5	-4.8	55	50	NO	NO	NO
3	3_0843		Residential	G	N	59	54	54	50	59	55	55	50	-4.4	-4.5	-4.5	-4.6	55	50	NO	NO	NO
3	3_0844		Residential	G	N	58	54	54	49	59	54	54	50	-4.3	-4.5	-4.4	-4.7	55	50	NO	NO	NO
3	3_0845		Residential	G	N	58	54	54	49	59	54	54	49	-4.4	-4.5	-4.5	-4.7	55	50	NO	NO	NO
3	3_0846		Residential	G	N	58	54	54	49	59	54	54	49	-4.5	-4.6	-4.7	-4.7	55	50	NO	NO	NO
3	3_0847		Residential	G	E	57	52	53	48	57	53	53	49	-3.8	-4	-3.9	-4.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
3	3_0848		Residential	G	N	57	52	52	48	58	53	53	48	-4.5	-4.5	-4.7	-4.7	55	50	NO	NO	NO
3	3_0849		Residential	G	N	57	52	52	48	58	53	53	48	-4.5	-4.5	-4.7	-4.7	55	50	NO	NO	NO
3	3_0850		Residential	G	N	57	52	52	48	57	53	53	48	-4.6	-4.6	-4.7	-4.7	55	50	NO	NO	NO
3	3_0851		Residential	G	N	57	52	52	47	57	53	53	48	-4.4	-4.5	-4.7	-4.6	55	50	NO	NO	NO
3	3_0852		Residential	G	N	57	52	52	48	57	53	53	48	-4.4	-4.4	-4.6	-4.5	55	50	NO	NO	NO
3	3_0853		Residential	G	N	57	52	52	48	57	53	53	48	-4.4	-4.4	-4.7	-4.7	55	50	NO	NO	NO
3	3_0854		Residential	G	N	56	51	52	47	57	52	52	47	-4.3	-4.4	-4.6	-4.6	55	50	NO	NO	NO
3	3_0855		Residential	G	W	56	51	52	47	57	52	53	48	-3.9	-4	-4	-4.1	55	50	NO	NO	NO
3	3_0856		Residential	G	N	59	55	54	50	59	55	55	51	-4.5	-4.6	-4.5	-4.7	55	50	NO	NO	NO
3	3_0857		Residential	G	N	59	55	54	50	60	55	55	50	-4.6	-4.7	-4.7	-4.9	55	50	NO	NO	NO
3	3_0858		Residential	G	W	58	54	54	49	59	54	54	50	-4.5	-4.5	-4.6	-4.6	55	50	NO	NO	NO
3	3_0859		Residential	G	W	59	54	54	50	60	55	55	50	-4.6	-4.6	-4.7	-4.7	55	50	NO	NO	NO
3	3_0860		Residential	G	W	58	53	53	49	58	54	54	49	-4.5	-4.4	-4.6	-4.6	55	50	NO	NO	NO
3	3_0861		Residential	G	W	58	54	54	49	59	54	54	50	-4.5	-4.5	-4.7	-4.7	55	50	NO	NO	NO
3	3_0862		Residential	G	W	58	54	54	49	59	54	54	49	-4.6	-4.6	-4.7	-4.7	55	50	NO	NO	NO
3	3_0863		Residential	G	N	58	54	53	49	59	54	54	49	-4.5	-4.6	-4.8	-4.8	55	50	NO	NO	NO
3	3_0864		Residential	G	N	58	54	54	49	59	54	54	50	-4.7	-4.7	-4.8	-4.8	55	50	NO	NO	NO
3	3_0865		Residential	G	N	58	54	54	49	59	55	54	50	-4.6	-4.6	-4.7	-4.8	55	50	NO	NO	NO
3	3_0866		Residential	G	NW	59	55	55	50	60	55	55	51	-4.4	-4.4	-4.6	-4.5	55	50	NO	NO	NO
3	3_0867		Residential	G	N	60	56	55	51	61	56	56	51	-4.7	-4.7	-4.9	-4.9	55	50	NO	NO	NO
3	3_0868		Residential	G	W	51	45	50	44	52	46	50	45	-1.3	-0.5	-1.5	-0.8	55	50	NO	NO	NO
3	3_0869		Residential	G	W	51	45	49	44	52	46	50	44	-1.9	-1.2	-2.3	-1.5	55	50	NO	NO	NO
3	3_0870		Residential	G	E	53	47	49	44	54	48	50	45	-3.4	-2.9	-3.8	-3.2	55	50	NO	NO	NO
3	3_0871		Residential	G	N	59	53	53	48	60	53	54	48	-5.5	-5.1	-6.1	-5.6	55	50	NO	NO	NO
3	3_0872		Residential	G	S	50	44	50	45	50	44	50	45	0.2	0.8	0	0.6	55	50	NO	NO	NO
3	3_0873		Residential	G	W	51	45	49	44	52	46	50	44	-1.6	-0.8	-2	-1.1	55	50	NO	NO	NO
3	3_0874		Residential	G	S	49	44	49	44	50	44	49	44	-0.4	0.1	-0.6	0	55	50	NO	NO	NO
3	3_0875		Residential	G	W	53	47	51	45	54	48	51	46	-2.4	-1.6	-2.8	-2	55	50	NO	NO	NO
4	4_0001		Residential	G	E	67	60	66	60	67	60	67	60	-0.2	-0.1	-0.2	-0.2	59	54	NO	NO	YES
4	4_0002		Residential	G	W	65	59	65	59	66	59	66	59	0	0.1	0	0.2	59	54	NO	NO	YES
5	5_0001		Residential	G	W	72	67	72	67	73	67	73	67	0.1	0.2	0	0	55	50	NO	NO	NO
5	5_0002		Residential	G	W	72	67	72	67	73	67	73	67	0.1	0.1	0	0.1	55	50	NO	NO	NO
5	5_0003		Residential	G	N	70	64	70	63	74	67	71	64	-0.4	-0.6	-3.3	-3.1	55	50	NO	NO	NO
5	5_0004		Residential	G	N	75	68	74	67	78	71	75	68	-0.5	-0.6	-3.4	-3.3	55	50	NO	NO	NO
5	5_0004		Residential	1	N	76	69	75	68	79	72	76	69	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
5	5_0005		Residential	G	N	72	65	72	65	76	69	72	66	-0.4	-0.5	-3.4	-3.2	55	50	NO	NO	NO
5	5_0006		Residential	G	N	72	65	71	65	76	69	72	65	-0.5	-0.6	-3.3	-3.3	55	50	NO	NO	NO
5	5_0007		Residential	G	N	71	65	71	64	75	68	72	65	-0.5	-0.5	-3.4	-3.3	55	50	NO	NO	NO
5	5_0008		Residential	G	N	72	65	71	65	76	69	72	65	-0.4	-0.5	-3.4	-3.3	55	50	NO	NO	NO
5	5_0009		Residential	G	N	70	63	70	63	74	67	70	64	-0.5	-0.5	-3.3	-3.3	55	50	NO	NO	NO
5	5_0010		Residential	G	N	73	66	73	66	77	70	73	66	-0.5	-0.6	-3.4	-3.4	55	50	NO	NO	NO
5	5_0010		Residential	G	S	54	48	56	50	57	50	56	51	1.5	2.2	-0.7	0.3	55	50	NO	NO	YES
5	5_0011		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.3	-3.3	55	50	NO	NO	NO
5	5_0011		Residential	G	S	56	49	57	51	59	52	57	51	0.9	1.3	-1.7	-0.9	55	50	NO	NO	YES
5	5_0012		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.3	-3.2	55	50	NO	NO	NO
5	5_0012		Residential	G	E	59	53	60	54	63	56	61	54	0.4	0.8	-2.4	-1.9	55	50	NO	NO	YES
5	5_0013		Residential	G	N	72	65	72	65	76	69	73	66	-0.5	-0.6	-3.4	-3.2	55	50	NO	NO	NO
5	5_0014		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.5	-3.3	-3.2	55	50	NO	NO	NO
5	5_0014		Residential	G	E	62	55	62	56	66	59	63	57	0.4	0.8	-2.4	-1.9	55	50	NO	NO	YES
5	5_0015		Residential	G	E	58	51	59	53	61	54	59	53	0.9	1.4	-1.8	-1.1	55	50	NO	NO	YES
5	5_0016		Residential	G	E	58	51	59	53	61	54	59	53	1.2	1.7	-1.6	-0.8	55	50	NO	NO	YES
5	5_0017		Residential	G	N	71	64	71	64	75	68	72	65	-0.4	-0.5	-3.3	-3.1	55	50	NO	NO	NO
5	5_0017		Residential	G	S	56	49	57	51	59	52	58	52	1.3	2	-1.3	-0.4	55	50	NO	NO	YES
5	5_0018		Residential	G	N	70	63	69	62	73	66	70	63	-0.3	-0.3	-3.2	-3	55	50	NO	NO	NO
5	5_0018		Residential	G	S	56	49	58	52	59	52	58	53	2	3.1	-0.3	1	55	50	NO	NO	YES
5	5_0019		Residential	G	N	73	66	72	65	76	69	73	66	-0.5	-0.6	-3.3	-3.1	55	50	NO	NO	NO
5	5_0019		Residential	G	E	64	57	64	58	67	60	65	59	-0.1	0.5	-2.5	-1.8	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0020		Residential	G	N	70	63	70	63	74	67	70	64	-0.3	-0.3	-3.1	-2.8	55	50	NO	NO	NO
5	5_0020		Residential	G	S	61	54	61	55	63	57	62	56	-0.4	0.6	-1.9	-0.8	55	50	NO	NO	YES
5	5_0021		Residential	G	E	61	54	61	56	64	57	62	56	0.6	1.5	-1.7	-0.6	55	50	NO	NO	YES
5	5_0022		Residential	G	N	59	52	60	54	62	55	60	54	0.8	1.4	-1.8	-1	55	50	NO	NO	YES
5	5_0023		Residential	G	N	56	50	57	51	58	52	57	52	0.7	1.3	-1.3	-0.4	55	50	NO	NO	YES
5	5_0024		Residential	G	N	57	50	57	51	59	53	57	52	0.2	0.9	-1.7	-0.8	55	50	NO	NO	NO
5	5_0025		Residential	G	N	56	50	56	51	59	52	57	52	0.2	0.9	-1.7	-0.7	55	50	NO	NO	NO
5	5_0025		Residential	G	E	53	47	55	50	56	50	56	50	1.9	2.5	-0.4	0.5	55	50	NO	NO	YES
5	5_0026		Residential	G	N	56	50	57	51	59	52	57	52	0.4	1.2	-1.5	-0.5	55	50	NO	NO	YES
5	5_0027		Residential	G	N	57	50	57	51	59	52	58	52	0.3	1.2	-1.4	-0.4	55	50	NO	NO	YES
5	5_0028		Residential	G	N	57	50	57	52	59	53	58	52	0.1	1.1	-1.5	-0.5	55	50	NO	NO	YES
5	5_0029		Residential	G	N	57	51	57	52	59	53	58	52	0	1.1	-1.6	-0.4	55	50	NO	NO	YES
5	5_0030		Residential	G	N	57	51	57	52	59	53	58	53	0.2	1.2	-1.4	-0.3	55	50	NO	NO	YES
5	5_0031		Residential	G	N	57	51	57	52	60	53	58	53	0.2	1.2	-1.4	-0.4	55	50	NO	NO	YES
5	5_0032		Residential	G	E	56	50	58	53	59	52	59	54	2	3.3	0.3	1.7	55	50	NO	NO	YES
5	5_0033		Residential	G	E	59	52	60	55	62	55	61	55	1.1	2.2	-1	0.2	55	50	NO	NO	YES
5	5_0034		Residential	G	N	58	52	58	53	61	54	59	53	0	0.9	-1.8	-0.9	55	50	NO	NO	YES
5	5_0035		Residential	G	N	58	51	58	52	60	54	58	53	0.1	0.9	-1.9	-0.9	55	50	NO	NO	NO
5	5_0035		Residential	G	S	52	46	56	51	55	48	56	51	3.4	4.5	1.6	3	55	50	NO	NO	YES
5	5_0036		Residential	G	N	58	51	58	52	60	54	58	53	0	0.8	-1.9	-0.9	55	50	NO	NO	NO
5	5_0036		Residential	G	E	55	48	56	50	58	51	57	51	1.5	2.1	-1	-0.1	55	50	NO	NO	YES
5	5_0037		Residential	G	N	57	51	58	52	60	54	59	53	0.7	1.2	-1.7	-0.9	55	50	NO	NO	YES
5	5_0038		Residential	G	N	58	51	58	52	60	54	58	53	0.2	0.9	-2	-1.1	55	50	NO	NO	NO
5	5_0038		Residential	G	S	53	47	56	50	55	49	56	51	2.8	3.8	1.2	2.3	55	50	NO	NO	YES
5	5_0039		Residential	G	N	58	52	59	53	61	54	59	54	0.7	1.3	-1.7	-0.8	55	50	NO	NO	YES
5	5_0040		Residential	G	N	56	50	57	51	60	53	58	52	1	1.3	-1.6	-0.9	55	50	NO	NO	YES
5	5_0041		Residential	G	N	57	50	57	52	60	53	58	52	0.9	1.4	-1.6	-0.8	55	50	NO	NO	YES
5	5_0042		Residential	G	N	55	48	56	50	57	51	56	51	1.1	1.9	-0.7	0.4	55	50	NO	NO	YES
5	5_0043		Residential	G	N	55	48	56	50	57	51	56	51	0.9	1.7	-0.9	0.1	55	50	NO	NO	YES
5	5_0044		Residential	G	N	55	49	56	51	57	51	57	51	0.9	1.9	-0.7	0.4	55	50	NO	NO	YES
5	5_0045		Residential	G	E	54	48	57	51	56	50	57	52	2.4	3.8	1	2.5	55	50	NO	NO	YES
5	5_0045		Residential	1	N	57	51	58	53	59	53	59	53	1	2	-0.6	0.4	55	50	NO	NO	YES
5	5_0046		Residential	G	E	54	47	56	51	56	49	57	52	2.3	3.7	1	2.6	55	50	NO	NO	YES
5	5_0047		Residential	G	E	54	47	56	51	56	49	57	51	2.3	3.6	1.1	2.5	55	50	NO	NO	YES
5	5_0048		Residential	G	E	54	47	56	51	55	49	56	51	2.2	3.6	1	2.5	55	50	NO	NO	YES
5	5_0049		Residential	G	E	53	47	56	50	55	49	56	51	3	3.8	1.3	2.5	55	50	NO	NO	YES
5	5_0050		Residential	G	N	58	51	58	52	61	54	59	53	0.4	0.8	-2.1	-1.5	55	50	NO	NO	NO
5	5_0050		Residential	G	E	55	48	57	51	58	51	57	52	2	2.7	-0.3	0.6	55	50	NO	NO	YES
5	5_0051		Residential	G	N	58	52	58	52	61	55	59	53	0.4	0.7	-2.2	-1.6	55	50	NO	NO	NO
5	5_0052		Residential	G	E	54	47	55	49	57	50	56	50	1.3	1.7	-1.2	-0.4	55	50	NO	NO	NO
5	5_0053		Residential	G	N	59	52	59	53	62	55	60	54	0.3	0.6	-2.2	-1.6	55	50	NO	NO	NO
5	5_0053		Residential	G	E	57	51	58	52	61	54	59	53	0.9	1.4	-1.8	-1	55	50	NO	NO	YES
5	5_0054		Residential	G	E	53	47	54	48	57	50	55	49	0.9	1.3	-1.6	-0.8	55	50	NO	NO	NO
5	5_0055		Residential	G	N	57	51	57	51	60	53	58	52	0.4	0.5	-2.1	-1.5	55	50	NO	NO	NO
5	5_0056		Residential	G	N	59	53	59	53	62	55	59	53	0	0.2	-2.5	-2	55	50	NO	NO	NO
5	5_0057		Residential	G	N	57	51	57	52	60	54	58	52	0.3	0.4	-2.2	-1.6	55	50	NO	NO	NO
5	5_0058		Residential	G	W	58	52	58	52	61	55	59	53	-0.2	-0.1	-2.1	-1.8	55	50	NO	NO	NO
5	5_0059		Residential	G	N	55	49	55	49	58	51	56	50	0.3	0.6	-1.8	-1.2	55	50	NO	NO	NO
5	5_0060		Residential	G	N	60	54	60	54	63	57	61	55	-0.1	-0.1	-2.2	-1.9	55	50	NO	NO	NO
5	5_0061		Residential	G	N	58	52	58	53	61	55	59	53	0.1	0.1	-2.3	-1.8	55	50	NO	NO	NO
5	5_0062		Residential	G	W	62	57	62	57	64	58	62	57	-0.1	-0.1	-1.3	-0.9	55	50	NO	NO	NO
5	5_0063		Residential	G	N	56	50	56	51	58	52	57	52	0.6	1.2	-1.3	-0.4	55	50	NO	NO	YES
5	5_0064		Residential	G	N	55	49	56	50	58	51	56	51	1.1	1.5	-1.3	-0.5	55	50	NO	NO	YES
5	5_0064		Residential	1	N	58	52	58	53	61	54	59	53	0.1	0.7	-1.7	-0.9	55	50	NO	NO	YES
5	5_0065		Residential	G	N	56	50	56	51	58	52	57	51	0.5	0.9	-1.5	-0.7	55	50	NO	NO	NO
5	5_0065		Residential	G	N	55	49	56	50	58	51	56	51	1.1	1.4	-1.2	-0.6	55	50	NO	NO	YES
5	5_0066		Residential	G	N	56	50	56	51	58	52	57	51	0.4	0.9	-1.5	-0.8	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0066		Residential	G	N	55	48	55	50	57	51	56	50	0.7	1.2	-1.4	-0.6	55	50	NO	NO	YES
5	5_0067		Residential	G	N	56	50	56	51	58	52	57	51	0.3	0.8	-1.5	-0.8	55	50	NO	NO	NO
5	5_0068		Residential	G	N	56	50	56	51	58	52	57	51	0.4	0.9	-1.5	-0.8	55	50	NO	NO	NO
5	5_0068		Residential	G	N	54	48	55	50	57	51	56	50	1.1	1.5	-1.1	-0.4	55	50	NO	NO	YES
5	5_0069		Residential	G	N	56	50	56	51	59	52	57	52	0.3	0.6	-1.5	-0.9	55	50	NO	NO	NO
5	5_0070		Residential	G	N	57	51	57	51	59	53	57	52	0.1	0.5	-1.6	-1	55	50	NO	NO	NO
5	5_0071		Residential	G	N	57	51	57	52	59	53	58	52	0.3	0.5	-1.4	-0.8	55	50	NO	NO	NO
5	5_0072		Residential	G	N	57	52	57	52	59	53	58	53	0.3	0.4	-1.3	-0.8	55	50	NO	NO	NO
5	5_0073		Residential	G	N	58	52	58	53	59	54	58	53	0.3	0.4	-1	-0.5	55	50	NO	NO	NO
5	5_0074		Residential	G	N	54	48	55	50	57	50	56	51	1.1	1.8	-0.6	0.3	55	50	NO	NO	YES
5	5_0075		Residential	G	N	54	48	55	50	57	50	56	51	1.1	1.9	-0.6	0.4	55	50	NO	NO	YES
5	5_0076		Residential	G	N	55	49	55	50	57	51	56	51	0.6	1.1	-1.1	-0.2	55	50	NO	NO	NO
5	5_0077		Residential	G	N	55	49	55	50	57	51	56	50	0.4	0.9	-1.3	-0.5	55	50	NO	NO	NO
5	5_0078		Residential	G	N	55	49	55	50	57	51	56	50	0.6	1	-1.2	-0.3	55	50	NO	NO	NO
5	5_0079		Residential	G	N	54	48	55	49	56	50	55	50	1	1.2	-0.9	-0.3	55	50	NO	NO	NO
5	5_0080		Residential	G	N	54	48	55	49	57	50	55	50	0.6	1	-1.1	-0.4	55	50	NO	NO	NO
5	5_0081		Residential	G	N	55	50	56	51	58	52	57	51	0.7	0.8	-1	-0.5	55	50	NO	NO	NO
5	5_0081		Residential	G	E	53	48	55	50	56	50	56	50	1.6	2	-0.4	0.3	55	50	NO	NO	YES
5	5_0082		Residential	G	N	55	50	55	50	57	51	56	51	0.4	0.5	-1.2	-0.7	55	50	NO	NO	NO
5	5_0082		Residential	1	N	58	52	58	53	60	54	59	54	0.4	0.6	-1.1	-0.6	55	50	NO	NO	NO
5	5_0082		Residential	1	E	55	49	57	52	58	52	58	52	1.8	2.2	0	0.7	55	50	NO	NO	YES
5	5_0083		Residential	G	W	57	52	57	52	58	53	57	52	0.2	0.2	-0.7	-0.4	55	50	NO	NO	NO
5	5_0084		Residential	G	W	56	51	56	51	57	52	56	51	0.1	0.1	-0.6	-0.3	55	50	NO	NO	NO
5	5_0085		Residential	G	N	53	47	55	50	56	49	56	50	1.9	2.5	0.1	1	55	50	NO	NO	YES
5	5_0086		Residential	G	N	54	48	55	50	56	50	56	51	1.6	2.2	0	0.9	55	50	NO	NO	YES
5	5_0087		Residential	G	N	54	48	55	50	56	50	56	50	1.4	2	-0.3	0.6	55	50	NO	NO	YES
5	5_0088		Residential	G	N	54	48	55	50	56	50	55	50	1	1.6	-0.6	0.3	55	50	NO	NO	NO
5	5_0089		Residential	G	N	54	48	55	49	56	50	55	50	1	1.5	-0.6	0.2	55	50	NO	NO	NO
5	5_0090		Residential	G	N	54	48	55	49	56	50	55	50	0.9	1.4	-0.7	0.2	55	50	NO	NO	NO
5	5_0091		Residential	G	N	54	48	54	49	56	50	55	50	0.7	1.1	-0.8	0	55	50	NO	NO	NO
5	5_0092		Residential	G	N	54	48	55	50	56	50	55	50	0.7	1.1	-0.6	0	55	50	NO	NO	NO
5	5_0093		Residential	G	E	53	47	56	51	55	49	57	52	2.7	4	1.4	2.9	55	50	NO	NO	YES
5	5_0094		Residential	G	E	52	46	55	50	54	47	55	50	3	4.2	1.9	3.4	55	50	NO	NO	NO
5	5_0095		Residential	G	E	53	47	55	50	55	48	56	51	2.4	3.8	1.4	2.8	55	50	NO	NO	YES
5	5_0096		Residential	G	E	53	46	56	51	55	48	56	51	2.8	4.1	1.7	3.1	55	50	NO	NO	YES
5	5_0097		Residential	G	E	52	46	55	50	54	47	56	51	2.7	3.9	1.8	3.2	55	50	NO	NO	YES
5	5_0098		Residential	G	SE	52	46	55	50	53	47	55	50	3	4	2.1	3.3	55	50	NO	NO	NO
5	5_0099		Residential	G	NE	52	46	55	50	54	47	55	50	2.9	4	1.8	3.1	55	50	NO	NO	NO
5	5_0100		Residential	G	SE	52	46	55	50	53	47	55	50	2.5	3.5	2	3.1	55	50	NO	NO	NO
5	5_0101		Residential	G	SE	50	45	54	49	51	46	54	49	3.2	3.7	2.7	3.3	55	50	NO	NO	NO
5	5_0102		Residential	G	SE	50	44	53	48	51	45	54	49	3.4	4	2.9	3.7	55	50	NO	NO	NO
5	5_0103		Residential	G	SE	52	46	54	49	53	47	55	50	2.6	3	2.2	2.9	55	50	NO	NO	NO
5	5_0104		Residential	G	S	52	47	54	49	53	48	55	50	2.2	2.4	1.9	2.3	55	50	NO	NO	NO
5	5_0105		Residential	G	S	53	49	55	50	54	49	55	50	1.4	1.4	1.2	1.3	55	50	NO	NO	NO
5	5_0106		Residential	G	S	52	47	54	49	53	48	55	50	2.2	2.4	2	2.2	55	50	NO	NO	NO
5	5_0107		Residential	G	SE	52	47	54	49	53	47	55	50	2.4	2.7	2.1	2.4	55	50	NO	NO	NO
5	5_0108		Residential	G	SE	51	45	53	48	51	46	54	49	2.7	3.4	2.6	3.3	55	50	NO	NO	NO
5	5_0108		Residential	1	NE	54	48	56	51	56	49	57	52	2.2	3	1.1	2.1	55	50	NO	NO	YES
5	5_0109		Residential	G	SE	51	45	54	49	52	46	54	49	2.9	3.3	2.2	3	55	50	NO	NO	NO
5	5_0110		Residential	G	SE	52	46	54	49	53	47	55	50	2.4	3.3	1.7	2.7	55	50	NO	NO	NO
5	5_0111		Residential	G	SE	53	46	55	50	54	48	56	50	2.4	3.5	1.6	2.8	55	50	NO	NO	YES
5	5_0112		Residential	G	N	53	46	55	50	54	48	56	51	2.5	3.6	1.4	2.6	55	50	NO	NO	YES
5	5_0113		Residential	G	E	52	46	55	50	54	48	56	51	2.8	3.9	1.6	2.9	55	50	NO	NO	YES
5	5_0114		Residential	G	E	52	46	55	50	54	48	56	51	2.9	4	1.6	2.9	55	50	NO	NO	YES
5	5_0115		Residential	G	E	53	46	55	50	55	48	56	51	2.8	3.9	1.5	2.7	55	50	NO	NO	YES
5	5_0116		Residential	G	E	53	46	55	50	55	48	56	51	2.6	3.8	1.4	2.7	55	50	NO	NO	YES
5	5_0117		Residential	G	N	54	48	55	50	56	50	55	50	1	1.3	-0.4	0.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0118		Residential	G	N	53	48	55	49	55	49	55	50	1.3	1.7	-0.1	0.6	55	50	NO	NO	NO
5	5_0119		Residential	G	N	53	48	55	50	55	49	55	50	1.5	2	0.1	0.9	55	50	NO	NO	NO
5	5_0120		Residential	G	N	53	47	54	49	55	49	55	50	1.4	2	-0.1	0.8	55	50	NO	NO	NO
5	5_0121		Residential	G	NE	53	47	55	50	55	49	56	51	2.4	3.1	0.9	1.9	55	50	NO	NO	YES
5	5_0122		Residential	G	E	53	46	55	50	55	48	56	50	2.3	3.2	1	2	55	50	NO	NO	YES
5	5_0123		Residential	G	NE	52	46	54	49	54	47	55	50	2.5	3.5	1.4	2.5	55	50	NO	NO	NO
5	5_0124		Residential	G	E	52	46	55	49	54	48	55	50	2.5	3.3	1.2	2.2	55	50	NO	NO	NO
5	5_0125		Residential	G	N	53	48	54	49	55	49	55	50	1	1.5	-0.1	0.5	55	50	NO	NO	NO
5	5_0126		Residential	G	E	51	46	53	48	53	47	54	49	2	2.6	0.7	1.5	55	50	NO	NO	NO
5	5_0127		Residential	G	E	52	46	55	49	54	48	55	50	2.7	3.4	1.5	2.4	55	50	NO	NO	NO
5	5_0128		Residential	G	N	53	47	54	49	55	48	55	50	1.5	2.2	0.4	1.3	55	50	NO	NO	NO
5	5_0129		Residential	G	W	54	49	54	49	55	50	55	50	0.3	0.3	-0.5	-0.2	55	50	NO	NO	NO
5	5_0130		Residential	G	W	55	50	55	50	56	51	55	51	0.2	0.3	-0.5	-0.2	55	50	NO	NO	NO
5	5_0131		Residential	G	W	55	50	55	50	56	51	56	51	0.2	0.2	-0.6	-0.3	55	50	NO	NO	NO
5	5_0132		Residential	G	W	55	50	55	50	56	51	55	50	0.1	0.1	-0.5	-0.4	55	50	NO	NO	NO
5	5_0132		Residential	1	W	58	53	58	53	59	54	58	53	0	0.1	-0.4	-0.3	55	50	NO	NO	NO
5	5_0132		Residential	1	E	54	48	56	51	56	50	57	52	1.9	2.5	0.6	1.4	55	50	NO	NO	YES
5	5_0133		Residential	G	W	55	50	55	50	56	50	55	50	0.2	0.2	-0.4	-0.2	55	50	NO	NO	NO
5	5_0134		Residential	G	N	53	48	54	49	55	49	55	50	1	1.4	0.1	0.7	55	50	NO	NO	NO
5	5_0135		Residential	G	W	55	50	55	51	56	51	56	51	0.2	0.3	-0.2	-0.1	55	50	NO	NO	NO
5	5_0136		Residential	G	W	55	50	56	51	56	51	56	51	0.3	0.3	-0.3	0	55	50	NO	NO	NO
5	5_0137		Residential	G	W	55	51	56	51	56	51	56	51	0.3	0.3	-0.2	0	55	50	NO	NO	NO
5	5_0138		Residential	G	N	54	48	54	49	55	49	55	50	0.6	0.9	-0.1	0.4	55	50	NO	NO	NO
5	5_0139		Residential	G	E	51	45	54	48	52	46	54	49	3.1	3.8	1.8	2.9	55	50	NO	NO	NO
5	5_0139		Residential	1	W	57	52	57	53	58	53	58	53	0.1	0.2	-0.2	0	55	50	NO	NO	NO
5	5_0139		Residential	1	E	54	48	56	51	55	49	56	51	2.1	2.7	1.2	2	55	50	NO	NO	YES
5	5_0140		Residential	G	W	54	49	54	49	55	50	55	50	0.3	0.3	-0.1	0.1	55	50	NO	NO	NO
5	5_0141		Residential	G	SE	53	48	55	50	54	48	55	50	1.7	2	1.2	1.8	55	50	NO	NO	NO
5	5_0142		Residential	G	SE	55	50	56	52	56	51	57	52	1.2	1.4	1	1.2	55	50	NO	NO	NO
5	5_0143		Residential	G	E	52	46	55	50	53	47	56	51	3.3	4.4	2.3	3.5	55	50	NO	NO	YES
5	5_0144		Residential	G	E	50	45	54	49	52	46	55	50	3.7	4.5	2.8	3.7	55	50	NO	NO	NO
5	5_0145		Residential	G	N	52	47	54	49	54	48	54	49	1.3	1.8	0.5	1.3	55	50	NO	NO	NO
5	5_0146		Residential	G	N	53	48	54	49	54	49	55	50	1.4	1.8	0.6	1.3	55	50	NO	NO	NO
5	5_0147		Residential	G	NW	53	48	54	49	54	49	55	50	1.1	1.6	0.4	1.1	55	50	NO	NO	NO
5	5_0148		Residential	G	N	52	47	53	48	53	48	54	49	1.4	1.7	0.5	1.1	55	50	NO	NO	NO
5	5_0149		Residential	G	NW	54	49	55	50	55	50	55	50	0.6	0.7	0	0.2	55	50	NO	NO	NO
5	5_0149		Residential	1	NW	56	51	56	51	57	51	57	52	0.5	0.7	0	0.3	55	50	NO	NO	NO
5	5_0149		Residential	1	NE	53	47	55	50	54	49	56	51	2.5	3	1.7	2.4	55	50	NO	NO	YES
5	5_0150		Residential	G	NW	55	50	56	51	56	51	56	51	0.6	0.7	0.2	0.3	55	50	NO	NO	NO
5	5_0151		Residential	G	N	55	50	56	51	56	50	56	51	1	1.3	0.5	0.9	55	50	NO	NO	NO
5	5_0152		Residential	G	NW	54	49	54	49	54	49	54	50	0.5	0.5	-0.1	0.1	55	50	NO	NO	NO
5	5_0152		Residential	1	NW	56	51	56	52	57	52	57	52	0.5	0.6	0.1	0.2	55	50	NO	NO	NO
5	5_0152		Residential	1	NE	54	49	56	51	56	50	57	52	1.9	2.2	1.3	1.8	55	50	NO	NO	YES
5	5_0153		Residential	G	NW	54	48	55	50	55	49	55	50	0.9	1.3	0.3	0.8	55	50	NO	NO	NO
5	5_0154		Residential	G	NW	54	48	55	50	55	49	55	50	1	1.4	0.4	0.9	55	50	NO	NO	NO
5	5_0155		Residential	G	N	52	47	54	49	54	48	54	49	1.5	1.8	0.7	1.3	55	50	NO	NO	NO
5	5_0156		Residential	G	N	53	47	54	49	54	48	55	50	1.9	2.4	1.1	1.9	55	50	NO	NO	NO
5	5_0157		Residential	G	E	51	45	55	50	53	46	55	50	3.6	4.7	2.8	3.9	55	50	NO	NO	NO
5	5_0158		Residential	G	E	51	45	55	50	52	46	55	50	3.7	4.8	2.9	4.1	55	50	NO	NO	NO
5	5_0159		Residential	G	E	51	45	55	49	52	46	55	50	3.8	4.8	2.9	4.1	55	50	NO	NO	NO
5	5_0160		Residential	G	E	51	45	55	50	52	46	55	50	3.8	4.8	3	4.2	55	50	NO	NO	NO
5	5_0161		Residential	G	E	51	45	55	50	52	46	55	50	3.8	4.8	3.1	4.2	55	50	NO	NO	NO
5	5_0162		Residential	G	E	51	44	54	49	52	46	55	50	3.7	4.8	3	4.2	55	50	NO	NO	NO
5	5_0163		Residential	G	N	51	45	54	49	52	46	55	50	3.4	3.9	2.7	3.4	55	50	NO	NO	NO
5	5_0164		Residential	G	N	51	45	54	48	52	46	54	49	3	3.5	2.2	2.9	55	50	NO	NO	NO
5	5_0165		Residential	G	N	53	47	55	50	54	48	56	51	2.7	3.1	1.9	2.7	55	50	NO	NO	YES
5	5_0166		Residential	G	N	53	47	54	49	54	48	55	50	1.6	2	0.9	1.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0167		Residential	G	N	53	48	55	50	54	49	55	50	1.8	2.2	1.2	1.8	55	50	NO	NO	NO
5	5_0168		Residential	G	W	53	48	54	49	54	49	54	49	0.7	0.7	0.2	0.4	55	50	NO	NO	NO
5	5_0169		Residential	G	E	51	45	54	49	52	46	55	50	3.2	3.8	2.6	3.4	55	50	NO	NO	NO
5	5_0170		Residential	G	N	52	46	55	50	53	47	55	50	2.9	3.4	2.2	3	55	50	NO	NO	NO
5	5_0171		Residential	G	N	54	49	55	50	55	49	55	50	1.1	1.4	0.6	1.1	55	50	NO	NO	NO
5	5_0171		Residential	1	N	56	51	57	52	57	51	57	52	0.9	1.2	0.5	0.8	55	50	NO	NO	NO
5	5_0171		Residential	1	N	55	49	56	51	56	50	56	51	1.3	1.6	0.8	1.1	55	50	NO	NO	YES
5	5_0172		Residential	G	N	52	46	53	48	53	47	54	49	1.8	2.4	1.1	1.8	55	50	NO	NO	NO
5	5_0173		Residential	G	N	52	46	55	50	53	47	55	50	2.9	3.5	2.2	3	55	50	NO	NO	NO
5	5_0174		Residential	G	NE	51	46	54	49	53	47	55	50	2.7	3.3	2	2.8	55	50	NO	NO	NO
5	5_0175		Residential	G	NE	51	45	53	48	52	46	54	49	2.5	3.2	1.7	2.5	55	50	NO	NO	NO
5	5_0176		Residential	G	NE	50	44	53	48	52	46	54	49	2.9	3.7	2.2	3.1	55	50	NO	NO	NO
5	5_0177		Residential	G	NE	49	44	53	48	51	45	54	48	3.6	4.1	2.8	3.5	55	50	NO	NO	NO
5	5_0178		Residential	G	SE	48	43	52	47	49	44	52	47	3.4	3.8	3.3	3.8	55	50	NO	NO	NO
5	5_0179		Residential	G	NE	50	45	54	49	52	46	55	50	3.6	4.4	2.9	3.8	55	50	NO	NO	NO
5	5_0180		Residential	G	NE	51	45	53	48	52	46	54	49	2.7	3.4	1.9	2.8	55	50	NO	NO	NO
5	5_0181		Residential	G	SE	50	44	53	48	51	45	54	49	3.5	4.2	3.2	3.9	55	50	NO	NO	NO
5	5_0182		Residential	G	E	50	44	54	48	51	45	54	49	3.2	4	2.7	3.6	55	50	NO	NO	NO
5	5_0183		Residential	G	NE	51	45	54	48	52	46	54	49	2.9	3.6	2.3	3.1	55	50	NO	NO	NO
5	5_0184		Residential	G	N	50	45	52	47	51	46	53	48	1.8	2.3	1.1	1.9	55	50	NO	NO	NO
5	5_0185		Residential	G	N	50	45	53	48	52	46	54	48	2.5	3.1	1.9	2.5	55	50	NO	NO	NO
5	5_0186		Residential	G	N	50	44	52	47	51	45	53	48	2.4	2.9	1.8	2.5	55	50	NO	NO	NO
5	5_0187		Residential	G	NE	49	43	52	46	50	44	52	47	2.7	3.3	2	2.7	55	50	NO	NO	NO
5	5_0188		Residential	G	NE	50	44	53	48	51	45	53	48	3	3.9	2.3	3.3	55	50	NO	NO	NO
5	5_0189		Residential	G	NE	50	44	53	48	51	45	54	48	3.1	3.8	2.3	3.3	55	50	NO	NO	NO
5	5_0190		Residential	G	NE	50	44	53	48	51	45	53	48	3.2	4	2.4	3.4	55	50	NO	NO	NO
5	5_0191		Residential	G	N	50	44	53	47	51	45	53	48	2.7	3.3	2	2.8	55	50	NO	NO	NO
5	5_0192		Residential	G	N	49	43	52	47	51	45	53	48	3.2	4	2.5	3.4	55	50	NO	NO	NO
5	5_0192		Residential	1	N	51	45	55	50	52	46	55	50	3.7	4.4	3.1	3.9	55	50	NO	NO	NO
5	5_0193		Residential	G	SE	48	41	51	46	48	42	52	47	3.5	4.6	3.3	4.5	55	50	NO	NO	NO
5	5_0193		Residential	1	SE	50	44	54	49	51	45	54	49	3.9	4.6	3.6	4.5	55	50	NO	NO	NO
5	5_0194		Residential	G	E	49	43	52	47	50	44	52	47	2.9	3.6	2.6	3.5	55	50	NO	NO	NO
5	5_0195		Residential	G	SE	49	43	51	46	49	44	52	47	2.7	3.2	2.5	3.1	55	50	NO	NO	NO
5	5_0196		Residential	G	E	49	43	51	46	50	44	51	46	1.7	2.3	1.3	2	55	50	NO	NO	NO
5	5_0197		Residential	G	N	50	44	52	47	51	45	53	48	2.7	3.4	2	2.8	55	50	NO	NO	NO
5	5_0198		Residential	G	N	50	44	52	47	51	45	53	47	2.1	2.7	1.4	2.1	55	50	NO	NO	NO
5	5_0199		Residential	G	N	50	44	53	48	51	45	53	48	2.6	3.1	1.9	2.7	55	50	NO	NO	NO
5	5_0200		Residential	G	N	50	45	53	48	52	46	53	48	2.6	3.1	1.9	2.7	55	50	NO	NO	NO
5	5_0201		Residential	G	N	50	44	52	47	51	45	53	48	2.6	3.2	1.8	2.7	55	50	NO	NO	NO
5	5_0201		Residential	1	N	52	47	55	50	53	47	55	50	2.8	3.2	2.3	2.8	55	50	NO	NO	NO
5	5_0202		Residential	G	NE	50	44	53	48	51	45	54	49	3.6	4.5	2.9	4	55	50	NO	NO	NO
5	5_0202		Residential	1	NW	54	49	55	50	55	50	56	51	0.8	1	0.5	0.7	55	50	NO	NO	NO
5	5_0202		Residential	1	NE	52	47	55	50	54	48	56	51	2.7	3.1	2.1	2.7	55	50	NO	NO	YES
5	5_0203		Residential	G	W	55	50	55	50	55	50	56	51	0.4	0.5	0.2	0.3	55	50	NO	NO	NO
5	5_0204		Residential	G	W	50	45	51	46	51	46	52	47	0.9	0.9	0.5	0.7	55	50	NO	NO	NO
5	5_0205		Residential	G	N	49	43	53	48	50	44	54	48	3.8	4.4	3.3	4	55	50	NO	NO	NO
5	5_0205		Residential	1	N	51	45	54	49	52	46	55	50	3.6	4.1	3.2	3.9	55	50	NO	NO	NO
5	5_0206		Residential	G	N	49	43	53	48	50	44	54	48	3.9	4.5	3.5	4.2	55	50	NO	NO	NO
5	5_0207		Residential	G	N	49	44	53	48	50	45	54	49	4	4.5	3.5	4.2	55	50	NO	NO	NO
5	5_0208		Residential	G	N	49	44	53	48	50	45	54	49	3.9	4.5	3.5	4.2	55	50	NO	NO	NO
5	5_0209		Residential	G	N	49	43	53	48	50	44	54	49	4.2	4.7	3.8	4.4	55	50	NO	NO	NO
5	5_0210		Residential	G	N	49	43	53	48	50	44	54	49	4.7	5.4	4.2	5.1	55	50	NO	NO	NO
5	5_0210		Residential	1	N	50	44	54	49	51	45	55	50	4.4	4.9	3.9	4.6	55	50	NO	NO	NO
5	5_0211		Residential	G	N	48	43	53	48	49	43	54	49	4.6	5.4	4.2	5.1	55	50	NO	NO	NO
5	5_0212		Residential	G	E	48	42	53	48	49	43	53	48	4.6	5.6	4.4	5.4	55	50	NO	NO	NO
5	5_0213		Residential	G	E	47	41	52	47	48	41	53	48	5.4	6.6	5.3	6.6	55	50	NO	NO	NO
5	5_0213		Residential	1	N	50	44	55	50	51	45	55	50	4.7	5.5	4.1	5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0214		Residential	G	E	48	42	53	48	49	43	54	48	4.6	5.6	4.4	5.4	55	50	NO	NO	NO
5	5_0215		Residential	G	N	49	44	54	49	51	45	55	50	4.9	5.7	4.3	5.2	55	50	NO	NO	NO
5	5_0216		Residential	G	NE	49	43	54	49	51	44	54	49	4.5	5.4	3.9	5	55	50	NO	NO	NO
5	5_0217		Residential	G	NE	49	43	54	49	51	44	54	49	4.3	5.3	3.8	4.8	55	50	NO	NO	NO
5	5_0218		Residential	G	NE	49	43	54	49	50	44	54	49	4.6	5.6	4.1	5.1	55	50	NO	NO	NO
5	5_0219		Residential	G	NE	49	43	54	49	50	44	54	49	4.5	5.4	3.9	5	55	50	NO	NO	NO
5	5_0220		Residential	G	NE	49	43	53	48	50	44	54	49	4.3	5.2	3.7	4.7	55	50	NO	NO	NO
5	5_0221		Residential	G	N	50	44	53	48	51	45	54	48	3.4	4.1	2.7	3.5	55	50	NO	NO	NO
5	5_0222		Residential	G	N	47	41	52	47	48	42	53	48	5.5	6.2	5.2	6.1	55	50	NO	NO	NO
5	5_0223		Residential	G	N	49	43	54	49	51	44	55	50	5.1	6	4.3	5.4	55	50	NO	NO	NO
5	5_0223		Residential	1	N	50	45	55	50	52	46	56	51	4.8	5.5	4	5	55	50	NO	NO	YES
5	5_0224		Residential	G	NE	49	43	54	49	51	45	55	50	4.9	5.9	4.3	5.3	55	50	NO	NO	NO
5	5_0225		Residential	G	NE	50	43	54	49	51	45	55	50	4.8	5.9	4.2	5.3	55	50	NO	NO	NO
5	5_0226		Residential	G	NE	49	43	54	49	51	45	55	50	5	5.9	4.4	5.4	55	50	NO	NO	NO
5	5_0227		Residential	G	NE	49	43	54	49	50	44	55	50	5.5	6.6	4.9	6.1	55	50	NO	NO	NO
5	5_0228		Residential	G	NE	49	43	54	49	50	44	55	50	5.3	6.3	4.7	5.8	55	50	NO	NO	NO
5	5_0229		Residential	G	NE	49	43	54	49	50	44	55	50	5.2	6.3	4.7	5.8	55	50	NO	NO	NO
5	5_0230		Residential	G	E	49	42	54	49	50	43	55	49	5.4	6.5	4.9	6.2	55	50	NO	NO	NO
5	5_0231		Residential	G	E	49	43	54	48	50	43	54	49	4.8	5.7	4.6	5.7	55	50	NO	NO	NO
5	5_0232		Residential	G	NE	49	42	54	49	50	43	54	49	5	6.1	4.6	5.8	55	50	NO	NO	NO
5	5_0233		Residential	G	E	48	42	53	48	49	42	53	48	5.1	6.1	4.8	5.9	55	50	NO	NO	NO
5	5_0234		Residential	G	N	48	43	51	46	50	44	52	47	2.6	3.2	2.1	2.9	55	50	NO	NO	NO
5	5_0235		Residential	G	N	49	44	52	47	50	45	53	48	3	3.5	2.5	3.1	55	50	NO	NO	NO
5	5_0236		Residential	G	N	50	44	52	47	51	45	52	47	2.2	2.7	1.7	2.3	55	50	NO	NO	NO
5	5_0237		Residential	G	N	50	44	53	48	51	45	53	48	3.2	3.8	2.6	3.4	55	50	NO	NO	NO
5	5_0238		Residential	G	N	48	42	52	47	49	43	52	47	3.6	4.1	3.3	3.8	55	50	NO	NO	NO
5	5_0239		Residential	G	E	49	43	53	48	50	44	54	49	4.4	5.3	3.8	4.8	55	50	NO	NO	NO
5	5_0240		Residential	G	NE	49	43	54	48	50	44	54	49	4.8	5.7	4.1	5.2	55	50	NO	NO	NO
5	5_0240		Residential	1	NE	50	44	55	50	51	45	55	50	4.7	5.5	4.1	5	55	50	NO	NO	NO
5	5_0241		Residential	G	NE	50	44	54	49	51	45	54	49	4	4.8	3.4	4.3	55	50	NO	NO	NO
5	5_0242		Residential	G	N	50	44	54	49	51	45	54	49	4	4.7	3.4	4.3	55	50	NO	NO	NO
5	5_0243		Residential	G	NW	50	45	52	47	51	46	53	47	1.9	2.3	1.4	1.9	55	50	NO	NO	NO
5	5_0244		Residential	G	SE	49	43	52	47	49	44	52	47	3.4	4	3.2	3.8	55	50	NO	NO	NO
5	5_0245		Residential	G	SE	49	43	52	47	50	44	52	47	2.9	3.4	2.6	3.3	55	50	NO	NO	NO
5	5_0246		Residential	G	SE	49	43	52	46	50	44	52	47	2.6	3.1	2.4	3	55	50	NO	NO	NO
5	5_0247		Residential	G	NE	48	42	51	46	50	43	52	47	2.8	3.7	2.1	3.1	55	50	NO	NO	NO
5	5_0247		Residential	1	NE	50	45	54	49	52	46	55	50	3.7	4.3	3.2	3.9	55	50	NO	NO	NO
5	5_0248		Residential	G	NW	51	46	53	48	52	47	53	48	1.2	1.4	0.8	1.2	55	50	NO	NO	NO
5	5_0249		Residential	G	NE	51	45	55	49	52	46	55	50	3.7	4.5	2.9	3.9	55	50	NO	NO	NO
5	5_0250		Residential	G	NE	50	44	54	49	52	46	55	50	4	5	3.3	4.3	55	50	NO	NO	NO
5	5_0251		Residential	G	NE	50	44	54	49	51	45	55	50	4.2	5.3	3.4	4.5	55	50	NO	NO	NO
5	5_0251		Residential	1	NE	51	45	55	50	53	47	56	51	3.8	4.7	3	4	55	50	NO	NO	YES
5	5_0252		Residential	G	NE	50	44	53	48	51	45	53	48	3.4	4.2	2.4	3.5	55	50	NO	NO	NO
5	5_0253		Residential	G	NE	50	44	54	49	52	46	55	50	4.1	4.9	3.3	4.3	55	50	NO	NO	NO
5	5_0254		Residential	G	NE	50	44	54	49	52	46	55	50	4.1	5	3.5	4.4	55	50	NO	NO	NO
5	5_0255		Residential	G	NE	50	44	55	49	52	46	55	50	4.3	5.1	3.5	4.6	55	50	NO	NO	NO
5	5_0256		Residential	G	NE	50	44	54	49	51	45	55	50	4.4	5.4	3.7	4.8	55	50	NO	NO	NO
5	5_0257		Residential	G	E	50	44	54	49	51	45	55	50	4.6	5.6	3.9	5.1	55	50	NO	NO	NO
5	5_0258		Residential	G	N	50	44	53	48	51	45	54	49	3.5	4.2	2.9	3.8	55	50	NO	NO	NO
5	5_0259		Residential	G	N	50	44	55	50	51	46	55	50	4.4	5.2	3.7	4.6	55	50	NO	NO	NO
5	5_0260		Residential	G	E	49	43	53	48	50	44	53	48	3.6	4.5	2.9	4	55	50	NO	NO	NO
5	5_0261		Residential	G	E	49	43	53	48	50	44	53	48	3.8	4.8	3.3	4.4	55	50	NO	NO	NO
5	5_0262		Residential	G	N	49	43	53	48	50	44	53	48	4	4.8	3.4	4.3	55	50	NO	NO	NO
5	5_0263		Residential	G	E	48	42	52	47	49	43	52	47	3.7	4.5	3.4	4.2	55	50	NO	NO	NO
5	5_0264		Residential	G	NE	49	43	52	47	50	44	53	48	3.7	4.6	3.2	4.2	55	50	NO	NO	NO
5	5_0265		Residential	G	SE	49	43	52	47	49	43	53	47	3.5	4.2	3.2	4	55	50	NO	NO	NO
5	5_0266		Residential	G	SE	49	43	53	47	49	44	53	48	3.9	4.7	3.7	4.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0267		Residential	G	NW	50	45	52	47	51	46	52	47	1.2	1.5	0.8	1.2	55	50	NO	NO	NO
5	5_0268		Residential	G	NW	50	45	52	47	51	46	52	47	1.4	1.6	0.8	1.3	55	50	NO	NO	NO
5	5_0269		Residential	G	NW	51	46	52	47	52	46	53	48	1.4	1.6	1	1.4	55	50	NO	NO	NO
5	5_0270		Residential	G	SE	51	44	51	45	51	45	51	45	0.2	0.4	0.1	0.3	55	50	NO	NO	NO
5	5_0270		Residential	1	SE	53	46	53	47	53	47	54	47	0.3	0.5	0.3	0.5	55	50	NO	NO	NO
5	5_0271		Residential	G	SE	51	45	51	45	52	45	52	46	0.2	0.5	0.2	0.5	55	50	NO	NO	NO
5	5_0272		Residential	G	SE	51	45	52	45	52	45	52	46	0.2	0.5	0.2	0.5	55	50	NO	NO	NO
5	5_0273		Residential	G	SE	51	45	52	45	52	45	52	46	0.3	0.6	0.3	0.6	55	50	NO	NO	NO
5	5_0274		Residential	G	SE	51	45	51	45	52	45	52	46	0.3	0.4	0.2	0.5	55	50	NO	NO	NO
5	5_0275		Residential	G	SE	51	45	51	45	52	45	52	46	0.4	0.6	0.3	0.6	55	50	NO	NO	NO
5	5_0276		Residential	G	NE	49	43	51	45	50	44	52	46	1.6	2.3	1.4	2.2	55	50	NO	NO	NO
5	5_0276		Residential	1	NE	51	45	53	47	52	45	54	48	1.8	2.6	1.8	2.5	55	50	NO	NO	NO
5	5_0277		Residential	G	NE	51	44	52	46	51	45	53	47	1.5	2.2	1.4	2.2	55	50	NO	NO	NO
5	5_0278		Residential	G	NE	50	44	52	46	51	44	53	47	2	2.7	1.9	2.6	55	50	NO	NO	NO
5	5_0279		Residential	G	NE	49	43	52	46	50	43	52	47	2.6	3.6	2.4	3.6	55	50	NO	NO	NO
5	5_0280		Residential	G	E	52	46	54	48	53	46	54	48	1.3	1.9	1.2	2	55	50	NO	NO	NO
5	5_0281		Residential	G	NE	49	43	52	46	50	43	52	47	2.5	3.5	2.4	3.4	55	50	NO	NO	NO
5	5_0281		Residential	1	NE	51	45	53	48	52	45	54	48	1.9	2.7	1.9	2.7	55	50	NO	NO	NO
5	5_0282		Residential	G	NE	50	43	52	46	50	44	53	47	2.3	3.2	2.3	3.2	55	50	NO	NO	NO
5	5_0283		Residential	G	N	49	43	52	46	50	44	52	47	2.6	3.5	2.4	3.5	55	50	NO	NO	NO
5	5_0284		Residential	G	N	49	43	51	46	50	43	52	46	2.2	2.9	2	2.8	55	50	NO	NO	NO
5	5_0285		Residential	G	N	49	42	51	45	50	43	51	46	2	2.9	1.9	2.8	55	50	NO	NO	NO
5	5_0286		Residential	G	E	49	43	51	45	50	43	51	45	1.4	2.1	1.4	2.1	55	50	NO	NO	NO
5	5_0287		Residential	G	NW	46	40	50	44	47	40	50	45	3.5	4.5	3.2	4.4	55	50	NO	NO	NO
5	5_0288		Residential	G	SE	48	42	49	43	49	42	50	44	0.9	1.5	0.9	1.4	55	50	NO	NO	NO
5	5_0289		Residential	G	SE	48	41	49	43	48	42	50	44	1.2	1.9	1.3	2	55	50	NO	NO	NO
5	5_0289		Residential	1	NE	51	44	52	47	51	45	53	47	1.9	2.7	1.9	2.7	55	50	NO	NO	NO
5	5_0290		Residential	G	SE	49	43	50	44	50	43	51	45	0.8	1.2	0.7	1.2	55	50	NO	NO	NO
5	5_0291		Residential	G	SE	48	42	49	43	49	42	50	44	1	1.5	1	1.5	55	50	NO	NO	NO
5	5_0292		Residential	G	SE	48	42	49	43	49	42	49	43	0.7	1.1	0.7	1.1	55	50	NO	NO	NO
5	5_0293		Residential	G	E	50	43	52	46	50	44	52	46	1.7	2.6	1.7	2.6	55	50	NO	NO	NO
5	5_0294		Residential	G	E	50	43	51	45	50	44	52	46	1.4	2.1	1.4	2.1	55	50	NO	NO	NO
5	5_0295		Residential	G	E	50	44	52	47	51	44	53	47	2.2	3.1	2.2	3.2	55	50	NO	NO	NO
5	5_0296		Residential	G	E	50	44	53	47	51	44	53	48	2.4	3.3	2.3	3.4	55	50	NO	NO	NO
5	5_0297		Residential	G	E	50	43	52	46	50	44	52	47	2.1	3	2.1	3	55	50	NO	NO	NO
5	5_0298		Residential	G	E	50	43	53	47	51	44	53	48	2.6	3.5	2.5	3.6	55	50	NO	NO	NO
5	5_0299		Residential	G	N	49	43	52	47	50	43	53	47	3.3	4.3	3.1	4.1	55	50	NO	NO	NO
5	5_0300		Residential	G	SE	50	43	50	44	50	44	51	45	0.8	1.3	0.8	1.3	55	50	NO	NO	NO
5	5_0301		Residential	G	SE	49	43	50	44	50	43	51	45	0.8	1.3	0.9	1.4	55	50	NO	NO	NO
5	5_0302		Residential	G	E	48	41	49	43	48	42	49	43	1	1.4	1	1.5	55	50	NO	NO	NO
5	5_0302		Residential	1	E	50	44	51	45	51	44	52	46	0.8	1.2	0.8	1.2	55	50	NO	NO	NO
5	5_0303		Residential	G	SE	48	42	49	43	49	42	50	44	1.1	1.7	1.1	1.7	55	50	NO	NO	NO
5	5_0303		Residential	1	NE	50	44	52	46	51	44	52	47	2	2.8	1.8	2.8	55	50	NO	NO	NO
5	5_0304		Residential	G	E	49	43	50	44	50	43	51	45	1.1	1.7	1.1	1.7	55	50	NO	NO	NO
5	5_0305		Residential	G	E	49	43	51	45	50	43	51	45	1.4	2	1.4	2.1	55	50	NO	NO	NO
5	5_0305		Residential	1	E	51	44	52	46	51	45	53	47	1.3	1.9	1.3	1.9	55	50	NO	NO	NO
5	5_0306		Residential	G	E	49	43	51	45	50	43	51	45	1.6	2.3	1.6	2.3	55	50	NO	NO	NO
5	5_0307		Residential	G	E	49	43	51	46	50	43	52	46	2	2.9	2.1	3	55	50	NO	NO	NO
5	5_0307		Residential	1	E	50	44	53	47	51	44	53	48	2.4	3.3	2.4	3.3	55	50	NO	NO	NO
5	5_0308		Residential	G	E	49	43	52	46	50	43	53	47	2.6	3.5	2.5	3.6	55	50	NO	NO	NO
5	5_0309		Residential	G	E	49	43	52	46	50	43	52	47	2.6	3.6	2.5	3.6	55	50	NO	NO	NO
5	5_0310		Residential	G	E	49	43	52	47	50	43	53	47	2.8	3.8	2.7	3.8	55	50	NO	NO	NO
5	5_0311		Residential	G	E	49	43	52	46	50	43	52	47	2.6	3.7	2.6	3.7	55	50	NO	NO	NO
5	5_0312		Residential	G	E	49	42	51	46	49	43	52	46	2.5	3.4	2.5	3.4	55	50	NO	NO	NO
5	5_0313		Residential	G	E	49	42	51	46	49	43	52	46	2.5	3.6	2.5	3.6	55	50	NO	NO	NO
5	5_0314		Residential	G	E	49	42	51	46	49	43	52	46	2.5	3.6	2.5	3.6	55	50	NO	NO	NO
5	5_0315		Residential	G	N	49	42	52	47	49	43	53	47	3.6	4.6	3.4	4.5	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0316		Residential	G	N	48	41	52	47	48	42	52	47	4.2	5.3	3.9	5	55	50	NO	NO	NO
5	5_0316		Residential	1	E	50	43	53	47	50	44	53	48	2.9	3.9	2.8	3.9	55	50	NO	NO	NO
5	5_0317		Residential	G	N	48	42	52	47	49	43	53	47	3.9	4.9	3.7	4.7	55	50	NO	NO	NO
5	5_0318		Residential	G	NW	47	41	51	46	48	41	52	47	4.4	5.4	4.1	5.3	55	50	NO	NO	NO
5	5_0319		Residential	G	NW	47	41	51	46	48	42	51	46	3.8	4.9	3.5	4.6	55	50	NO	NO	NO
5	5_0320		Residential	G	NE	48	42	52	47	49	43	53	47	3.7	4.7	3.4	4.6	55	50	NO	NO	NO
5	5_0321		Residential	G	SE	47	40	49	43	47	41	49	43	1.7	2.4	1.7	2.4	55	50	NO	NO	NO
5	5_0322		Residential	G	NE	49	43	52	46	50	43	52	46	2.4	3.2	2.2	3.1	55	50	NO	NO	NO
5	5_0323		Residential	G	NE	49	42	51	45	50	43	52	46	2	2.9	2	2.9	55	50	NO	NO	NO
5	5_0324		Residential	G	NE	48	42	51	46	49	43	52	46	2.7	3.7	2.6	3.6	55	50	NO	NO	NO
5	5_0325		Residential	G	E	49	42	51	46	49	43	52	46	2.4	3.4	2.4	3.3	55	50	NO	NO	NO
5	5_0326		Residential	G	E	48	42	51	45	49	42	51	46	2.5	3.4	2.4	3.5	55	50	NO	NO	NO
5	5_0327		Residential	G	E	48	41	50	44	48	42	50	44	2	2.7	1.9	2.7	55	50	NO	NO	NO
5	5_0328		Residential	G	NW	46	40	50	45	47	41	50	45	3.4	4.4	3	4.1	55	50	NO	NO	NO
5	5_0329		Residential	G	W	47	40	50	45	48	41	51	45	3.4	4.4	3.1	4.1	55	50	NO	NO	NO
5	5_0330		Residential	G	NW	47	41	50	45	48	41	51	46	3.4	4.4	3.1	4.2	55	50	NO	NO	NO
5	5_0331		Residential	G	NW	46	40	50	45	47	41	50	45	3.5	4.5	3.1	4.2	55	50	NO	NO	NO
5	5_0332		Residential	G	NW	46	40	50	44	47	41	50	45	3.4	4.4	3	4.1	55	50	NO	NO	NO
5	5_0333		Residential	G	SE	48	41	49	44	48	42	50	44	1.7	2.3	1.7	2.4	55	50	NO	NO	NO
5	5_0334		Residential	G	NE	47	40	50	45	48	41	51	45	3.3	4.4	3.1	4.3	55	50	NO	NO	NO
5	5_0335		Residential	G	E	48	41	49	44	48	42	50	44	1.9	2.7	1.9	2.7	55	50	NO	NO	NO
5	5_0336		Residential	G	NW	46	40	50	44	47	41	50	45	3.4	4.4	3	4.1	55	50	NO	NO	NO
5	5_0337		Residential	G	E	47	41	50	44	48	42	50	44	2.1	2.8	2	2.9	55	50	NO	NO	NO
5	5_0338		Residential	G	E	48	41	51	45	49	42	51	46	2.8	3.9	2.7	3.8	55	50	NO	NO	NO
5	5_0339		Residential	G	N	48	42	51	46	49	42	52	47	3.4	4.3	3.1	4.2	55	50	NO	NO	NO
5	5_0340		Residential	G	NE	48	41	51	45	48	42	51	46	3.1	4.2	2.9	4	55	50	NO	NO	NO
5	5_0341		Residential	G	NW	47	41	51	46	48	42	52	47	4.1	5.1	3.6	4.8	55	50	NO	NO	NO
5	5_0342		Residential	G	NE	48	42	52	46	49	43	52	47	3.3	4.3	2.9	4.1	55	50	NO	NO	NO
5	5_0343		Residential	G	NW	48	41	51	46	49	42	52	47	3.5	4.5	3.2	4.3	55	50	NO	NO	NO
5	5_0344		Residential	G	NW	47	41	51	46	48	42	52	47	4.1	5.1	3.7	4.8	55	50	NO	NO	NO
5	5_0345		Residential	G	NE	48	42	50	45	49	42	51	45	2.1	2.9	1.8	2.8	55	50	NO	NO	NO
5	5_0346		Residential	G	NE	49	43	52	47	50	43	53	48	3.3	4.3	3.1	4.2	55	50	NO	NO	NO
5	5_0347		Residential	G	NE	49	42	52	47	50	43	53	47	3.3	4.4	3	4.2	55	50	NO	NO	NO
5	5_0348		Residential	G	NE	49	42	52	47	50	43	53	47	3.1	4.2	3	4.1	55	50	NO	NO	NO
5	5_0349		Residential	G	NE	49	42	52	46	49	43	52	47	3	4	2.8	3.9	55	50	NO	NO	NO
5	5_0350		Residential	G	SE	47	41	49	44	48	41	50	44	2.1	2.9	2.1	2.9	55	50	NO	NO	NO
5	5_0351		Residential	G	NE	49	42	51	46	50	43	52	47	2.6	3.6	2.4	3.4	55	50	NO	NO	NO
5	5_0352		Residential	G	NE	49	42	52	46	50	43	52	47	2.8	3.9	2.6	3.7	55	50	NO	NO	NO
5	5_0353		Residential	G	NE	49	42	52	46	50	43	52	47	2.8	3.7	2.6	3.6	55	50	NO	NO	NO
5	5_0354		Residential	G	NE	49	42	51	46	50	43	52	47	2.7	3.6	2.4	3.5	55	50	NO	NO	NO
5	5_0355		Residential	G	NE	48	42	50	45	49	42	51	45	2.3	3.2	2.1	3.1	55	50	NO	NO	NO
5	5_0356		Residential	G	NE	48	41	50	44	49	42	51	45	2.1	3	1.9	2.8	55	50	NO	NO	NO
5	5_0357		Residential	G	NE	48	41	50	45	48	42	51	45	2.6	3.5	2.4	3.3	55	50	NO	NO	NO
5	5_0358		Residential	G	NW	46	40	49	44	47	41	50	44	3.1	4	2.7	3.8	55	50	NO	NO	NO
5	5_0359		Residential	G	NE	47	40	49	44	48	41	50	44	2.4	3.3	2.1	3.1	55	50	NO	NO	NO
5	5_0359		Residential	1	NE	49	43	52	46	50	44	52	47	2.7	3.6	2.5	3.5	55	50	NO	NO	NO
5	5_0360		Residential	G	SE	46	40	49	43	47	40	49	43	2.3	3.1	2.3	3.1	55	50	NO	NO	NO
5	5_0361		Residential	G	SE	47	40	49	43	47	41	50	44	2.2	3	2.1	3	55	50	NO	NO	NO
5	5_0362		Residential	G	NE	49	42	52	46	49	43	52	47	3	4	2.9	3.9	55	50	NO	NO	NO
5	5_0363		Residential	G	NE	48	42	52	46	49	43	52	47	3.3	4.3	3.1	4.2	55	50	NO	NO	NO
5	5_0364		Residential	G	NE	48	42	51	46	49	42	52	47	3.2	4.3	3	4.1	55	50	NO	NO	NO
5	5_0365		Residential	G	NE	48	42	51	46	49	43	52	47	3.1	4.2	2.9	4	55	50	NO	NO	NO
5	5_0366		Residential	G	NE	49	42	52	46	50	43	52	47	3	4	2.8	3.8	55	50	NO	NO	NO
5	5_0367		Residential	G	NE	48	42	52	46	49	43	52	47	3.3	4.3	2.9	4.2	55	50	NO	NO	NO
5	5_0368		Residential	G	NE	48	42	52	47	49	43	53	47	3.6	4.6	3.3	4.4	55	50	NO	NO	NO
5	5_0369		Residential	G	NE	49	43	52	47	50	43	53	47	3.2	4.2	3	4	55	50	NO	NO	NO
5	5_0370		Residential	G	NE	49	43	52	47	50	43	53	48	3.5	4.4	3.2	4.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0371		Residential	G	NE	49	42	52	47	50	43	53	48	3.7	4.7	3.3	4.5	55	50	NO	NO	NO
5	5_0372		Residential	G	NE	49	42	52	47	49	43	53	48	3.7	4.6	3.4	4.4	55	50	NO	NO	NO
5	5_0373		Residential	G	NE	49	42	52	47	49	43	53	47	3.5	4.5	3.2	4.2	55	50	NO	NO	NO
5	5_0374		Residential	G	NE	49	42	52	47	49	43	52	47	3.4	4.3	3	4.1	55	50	NO	NO	NO
5	5_0375		Residential	G	NE	48	42	52	47	49	43	52	47	3.6	4.5	3.2	4.2	55	50	NO	NO	NO
5	5_0376		Residential	G	NE	49	43	52	47	50	43	53	47	3.5	4.3	3.1	4.1	55	50	NO	NO	NO
5	5_0377		Residential	G	N	49	43	52	47	50	43	53	47	3.3	4.1	3	3.9	55	50	NO	NO	NO
5	5_0378		Residential	G	N	49	43	52	47	50	44	53	48	3.6	4.4	3.3	4.1	55	50	NO	NO	NO
5	5_0379		Residential	G	N	48	43	52	47	49	43	53	47	3.7	4.4	3.3	4.1	55	50	NO	NO	NO
5	5_0379		Residential	1	N	50	44	53	48	50	45	54	49	3.5	4	3.2	3.9	55	50	NO	NO	NO
5	5_0380		Residential	G	N	49	43	52	47	50	44	53	48	3.2	3.8	2.9	3.6	55	50	NO	NO	NO
5	5_0381		Residential	G	N	49	44	52	47	50	45	53	48	3	3.4	2.6	3.3	55	50	NO	NO	NO
5	5_0382		Residential	G	N	49	44	52	47	50	45	53	48	2.9	3.3	2.7	3.1	55	50	NO	NO	NO
5	5_0383		Residential	G	N	50	44	52	47	51	45	53	48	2.6	2.9	2.3	2.8	55	50	NO	NO	NO
5	5_0384		Residential	G	N	50	45	52	47	51	45	53	48	2.3	2.6	2.1	2.4	55	50	NO	NO	NO
5	5_0385		Residential	G	NW	51	46	53	48	52	46	54	49	2.4	2.6	2.2	2.5	55	50	NO	NO	NO
5	5_0386		Residential	G	N	50	45	53	48	51	46	53	48	2.3	2.7	2.1	2.6	55	50	NO	NO	NO
5	5_0387		Residential	G	N	50	45	53	48	51	46	53	48	2.6	2.9	2.3	2.8	55	50	NO	NO	NO
5	5_0388		Residential	G	N	49	43	52	47	50	44	53	47	3.3	3.9	2.9	3.7	55	50	NO	NO	NO
5	5_0389		Residential	G	N	49	43	52	47	50	44	52	47	3.1	3.6	2.7	3.4	55	50	NO	NO	NO
5	5_0390		Residential	G	N	49	43	52	47	50	44	53	48	3.3	4	3.2	4	55	50	NO	NO	NO
5	5_0391		Residential	G	N	49	43	52	47	50	44	53	48	3.5	4.3	3.2	4.1	55	50	NO	NO	NO
5	5_0392		Residential	G	NE	49	42	52	47	50	43	53	48	3.7	4.6	3.3	4.4	55	50	NO	NO	NO
5	5_0393		Residential	G	NE	49	42	52	47	50	43	53	48	3.7	4.7	3.3	4.4	55	50	NO	NO	NO
5	5_0394		Residential	G	NE	48	42	52	47	49	43	53	48	3.8	4.8	3.5	4.6	55	50	NO	NO	NO
5	5_0395		Residential	G	N	49	43	53	47	50	44	53	48	3.4	4.3	3.2	4	55	50	NO	NO	NO
5	5_0396		Residential	G	NW	47	41	51	45	48	41	51	46	3.9	4.7	3.7	4.6	55	50	NO	NO	NO
5	5_0397		Residential	G	NE	49	42	52	47	49	43	53	47	3.5	4.6	3.3	4.4	55	50	NO	NO	NO
5	5_0398		Residential	G	NE	49	42	52	47	49	43	53	48	3.8	4.8	3.4	4.7	55	50	NO	NO	NO
5	5_0399		Residential	G	NE	48	42	52	47	49	42	53	47	4.2	5.3	3.8	5	55	50	NO	NO	NO
5	5_0400		Residential	G	NE	49	43	53	47	50	43	53	48	3.7	4.8	3.5	4.6	55	50	NO	NO	NO
5	5_0401		Residential	G	N	49	42	53	47	49	43	53	48	4	5	3.7	4.8	55	50	NO	NO	NO
5	5_0402		Residential	G	NE	48	42	52	47	49	43	53	48	4	5	3.7	4.8	55	50	NO	NO	NO
5	5_0403		Residential	G	NE	48	42	52	47	49	43	53	48	4	5.1	3.7	4.9	55	50	NO	NO	NO
5	5_0404		Residential	G	NE	48	42	52	47	49	43	53	48	4.1	5.2	3.9	5	55	50	NO	NO	NO
5	5_0405		Residential	G	NE	48	42	52	47	49	43	53	48	4.2	5.2	3.7	4.9	55	50	NO	NO	NO
5	5_0406		Residential	G	NE	48	42	52	47	49	43	53	48	4.3	5.4	3.9	5.1	55	50	NO	NO	NO
5	5_0407		Residential	G	NE	48	42	52	47	49	42	53	48	4.4	5.6	4	5.3	55	50	NO	NO	NO
5	5_0407		Residential	1	NE	49	43	53	48	50	44	54	48	4	5	3.7	4.7	55	50	NO	NO	NO
5	5_0408		Residential	G	NE	48	42	53	47	49	43	53	48	4.2	5.3	3.9	5	55	50	NO	NO	NO
5	5_0409		Residential	G	NE	48	42	53	47	49	43	53	48	4.3	5.3	3.9	5	55	50	NO	NO	NO
5	5_0410		Residential	G	NE	48	42	53	48	49	43	53	48	4.4	5.4	4	5.1	55	50	NO	NO	NO
5	5_0411		Residential	G	NE	48	42	53	47	49	43	53	48	4.4	5.3	4	5	55	50	NO	NO	NO
5	5_0412		Residential	G	NE	48	42	53	48	49	43	53	48	4.4	5.4	3.9	5.1	55	50	NO	NO	NO
5	5_0413		Residential	G	N	48	42	53	48	49	43	53	48	4.5	5.2	4.1	4.9	55	50	NO	NO	NO
5	5_0414		Residential	G	N	49	43	53	48	50	44	54	48	4.2	5	3.9	4.7	55	50	NO	NO	NO
5	5_0415		Residential	G	E	48	42	52	47	49	42	53	48	4.4	5.5	4	5.2	55	50	NO	NO	NO
5	5_0416		Residential	G	E	48	42	52	47	49	42	53	48	4.6	5.7	4.2	5.4	55	50	NO	NO	NO
5	5_0417		Residential	G	NE	48	42	53	48	49	43	53	48	4.8	5.9	4.4	5.5	55	50	NO	NO	NO
5	5_0418		Residential	G	NE	48	42	53	48	49	43	54	49	4.8	5.7	4.3	5.4	55	50	NO	NO	NO
5	5_0419		Residential	G	N	49	43	53	48	50	44	54	49	4.7	5.4	4.2	5.1	55	50	NO	NO	NO
5	5_0420		Residential	G	NE	47	41	51	46	48	42	52	47	4.5	5.6	3.8	5	55	50	NO	NO	NO
5	5_0420		Residential	1	NE	49	43	54	48	50	44	54	49	4.7	5.6	4.3	5.3	55	50	NO	NO	NO
5	5_0421		Residential	G	NE	48	42	52	47	49	43	53	48	4.2	5.2	3.8	4.8	55	50	NO	NO	NO
5	5_0422		Residential	G	E	48	42	53	47	49	42	53	48	4.8	5.9	4.4	5.6	55	50	NO	NO	NO
5	5_0423		Residential	G	NE	47	42	52	47	49	43	53	47	4.5	5.2	3.9	4.8	55	50	NO	NO	NO
5	5_0424		Residential	G	E	47	41	52	46	48	42	52	47	4.3	5.4	4.1	5.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
5	5_0425		Residential	G	N	48	42	52	47	49	43	53	48	4.1	5	3.7	4.7	55	50	NO	NO	NO
5	5_0425		Residential	1	N	49	44	53	48	50	44	54	49	4	4.6	3.6	4.4	55	50	NO	NO	NO
5	5_0426		Residential	G	N	48	43	53	48	49	44	53	48	4.3	4.9	3.9	4.6	55	50	NO	NO	NO
5	5_0427		Residential	G	N	49	43	53	48	50	44	53	48	4	4.5	3.6	4.3	55	50	NO	NO	NO
5	5_0427		Residential	1	N	50	45	54	49	51	45	54	49	3.5	4	3.2	3.8	55	50	NO	NO	NO
5	5_0428		Residential	G	N	49	43	52	47	50	44	53	48	3.4	3.9	3	3.6	55	50	NO	NO	NO
5	5_0428		Residential	1	N	50	45	53	48	51	45	54	49	3	3.5	2.8	3.3	55	50	NO	NO	NO
5	5_0429		Residential	G	N	49	44	51	46	50	45	52	47	2	2.4	1.5	2.1	55	50	NO	NO	NO
5	5_0430		Residential	G	NW	50	45	52	47	51	45	53	48	2.4	2.7	2.2	2.6	55	50	NO	NO	NO
5	5_0431		Residential	G	NW	50	45	52	47	51	46	52	47	1.5	1.6	1.2	1.5	55	50	NO	NO	NO
5	5_0432		Residential	G	N	48	43	52	47	49	44	53	48	3.9	4.5	3.5	4.2	55	50	NO	NO	NO
5	5_0432		Residential	1	N	50	44	53	48	51	45	54	49	3.5	4	3.2	3.8	55	50	NO	NO	NO
5	5_0433		Residential	G	NW	49	44	51	46	50	45	52	47	2.1	2.3	1.8	2.1	55	50	NO	NO	NO
5	5_0434		Residential	G	N	48	43	51	46	49	44	51	46	2.4	2.6	2.1	2.4	55	50	NO	NO	NO
5	5_0434		Residential	1	N	50	45	53	48	51	46	54	49	2.8	3	2.5	2.9	55	50	NO	NO	NO
5	5_0435		Residential	G	N	49	43	51	46	49	44	52	47	2.9	3.2	2.8	3.2	55	50	NO	NO	NO
5	5_0436		Residential	G	N	48	43	52	47	49	44	53	48	3.7	4.2	3.5	4	55	50	NO	NO	NO
5	5_0437		Residential	G	N	48	43	52	47	49	43	53	47	3.8	4.3	3.4	4	55	50	NO	NO	NO
5	5_0438		Residential	G	N	48	43	52	47	49	44	53	48	3.8	4.3	3.5	4.2	55	50	NO	NO	NO
5	5_0439		Residential	G	N	49	43	53	48	50	44	53	48	4.1	4.8	3.8	4.6	55	50	NO	NO	NO
5	5_0440		Residential	G	N	49	43	53	48	50	44	53	48	4.1	4.9	3.7	4.6	55	50	NO	NO	NO
5	5_0441		Residential	G	N	48	42	53	48	49	43	53	48	4.2	5.1	3.8	4.8	55	50	NO	NO	NO
5	5_0442		Residential	G	NE	48	42	53	47	49	43	53	48	4.3	5.3	3.9	5	55	50	NO	NO	NO
5	5_0443		Residential	G	NE	48	42	52	47	49	42	53	48	4.5	5.6	4.1	5.3	55	50	NO	NO	NO
5	5_0444		Residential	G	N	49	43	53	48	50	44	53	48	4.1	4.8	3.6	4.5	55	50	NO	NO	NO
5	5_0445		Residential	G	N	49	43	53	48	50	44	53	48	4	4.7	3.6	4.4	55	50	NO	NO	NO
5	5_0446		Residential	G	N	49	43	53	48	50	44	53	48	3.9	4.5	3.6	4.3	55	50	NO	NO	NO
5	5_0447		Residential	G	N	49	43	53	48	50	44	53	48	3.6	4.1	3.2	3.9	55	50	NO	NO	NO
5	5_0448		Residential	G	N	49	43	51	46	50	44	52	47	2.6	3.1	2.2	2.8	55	50	NO	NO	NO
5	5_0449		Residential	G	N	49	43	52	47	50	44	52	47	3.2	3.7	2.8	3.4	55	50	NO	NO	NO
5	5_0450		Residential	G	NW	50	44	52	47	50	45	53	48	2.7	2.9	2.5	2.8	55	50	NO	NO	NO
5	5_0451		Residential	G	NW	49	44	51	46	50	45	51	46	1.5	1.7	1.3	1.7	55	50	NO	NO	NO
5	5_0453		Residential	G	N	68	61	67	61	71	65	68	61	-0.4	-0.5	-3.2	-3.1	55	50	NO	NO	NO
5	5_0453		Residential	G	S	55	49	56	50	58	52	57	51	0.9	1.4	-1.4	-0.5	55	50	NO	NO	YES
5	5_0454		Residential	G	E	58	52	59	53	62	55	60	53	0.4	0.7	-2.3	-1.8	55	50	NO	NO	NO
6	6_0001		Residential	G	N	73	66	68	61	74	67	69	62	-4.8	-4.7	-5.3	-5.3	55	50	NO	NO	NO
6	6_0001		Residential	G	S	62	55	61	55	63	56	61	55	-1.2	-0.3	-2	-1	55	50	NO	NO	YES
6	6_0002		Residential	G	N	58	52	55	49	59	53	56	50	-3	-2.6	-3.6	-3	55	50	NO	NO	NO
7	7_0001		Residential	G	SE	72	65	67	60	73	66	68	61	-4.9	-5	-5.4	-5.4	55	50	NO	NO	NO
7	7_0002		Residential	G	SE	73	66	68	61	74	67	68	62	-5	-5.1	-5.6	-5.6	55	50	NO	NO	NO
7	7_0003		Residential	G	SE	72	66	67	60	73	67	68	61	-5.1	-5.1	-5.6	-5.6	55	50	NO	NO	NO
7	7_0004		Residential	G	S	59	52	55	48	60	53	55	49	-4.5	-4	-5	-4.5	55	50	NO	NO	NO
7	7_0004		Residential	1	S	61	54	56	50	62	55	56	50	-4.7	-4.2	-5.3	-4.8	55	50	NO	NO	NO
7	7_0005		Residential	G	SE	61	55	55	49	62	56	56	49	-6	-5.7	-6.7	-6.4	55	50	NO	NO	NO
7	7_0006		Residential	G	SW	58	51	53	47	59	52	54	48	-4.4	-3.8	-4.9	-4.3	55	50	NO	NO	NO
7	7_0007		Residential	G	SW	55	49	52	46	56	50	52	46	-3.5	-2.8	-4	-3.3	55	50	NO	NO	NO
7	7_0008		Residential	G	SE	60	53	54	47	61	54	54	47	-6.2	-5.7	-6.9	-6.5	55	50	NO	NO	NO
7	7_0008		Residential	1	SE	62	55	56	50	63	56	56	50	-5.8	-5.3	-6.5	-6.1	55	50	NO	NO	NO
7	7_0009		Residential	G	SE	60	53	54	47	61	54	54	48	-6	-5.5	-6.7	-6.1	55	50	NO	NO	NO
7	7_0010		Residential	G	SE	59	52	53	47	60	53	53	47	-5.9	-5.3	-6.6	-6	55	50	NO	NO	NO
7	7_0011		Residential	G	SE	58	51	52	46	59	52	53	47	-5.3	-4.7	-6	-5.3	55	50	NO	NO	NO
7	7_0012		Residential	G	SE	57	50	52	46	58	51	52	46	-5	-4.3	-5.7	-5	55	50	NO	NO	NO
7	7_0013		Residential	G	SW	55	48	52	46	56	49	52	46	-3.3	-2.6	-3.9	-3	55	50	NO	NO	NO
7	7_0014		Residential	G	NW	53	48	51	46	54	48	51	46	-2.4	-2	-2.7	-2.2	55	50	NO	NO	NO
7	7_0015		Residential	G	SE	55	49	51	45	56	50	51	45	-4.7	-4.1	-5.3	-4.6	55	50	NO	NO	NO
7	7_0015		Residential	1	SW	58	51	53	48	59	52	54	48	-4.2	-3.4	-4.7	-4	55	50	NO	NO	NO
7	7_0016		Residential	G	NW	54	49	52	46	55	49	52	47	-2.4	-2.1	-2.7	-2.2	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
7	7_0017		Residential	G	NW	54	49	52	47	55	49	52	47	-2.5	-2.1	-2.7	-2.2	55	50	NO	NO	NO
7	7_0018		Residential	G	NW	53	48	51	46	54	49	52	47	-2.3	-1.9	-2.6	-2.1	55	50	NO	NO	NO
7	7_0019		Residential	G	W	55	49	52	47	55	50	53	48	-2.5	-2.2	-2.8	-2.3	55	50	NO	NO	NO
7	7_0020		Residential	G	E	56	50	52	47	56	51	52	47	-4	-3.5	-4.3	-3.6	55	50	NO	NO	NO
7	7_0021		Residential	G	SW	58	51	53	47	59	52	54	48	-4.9	-4.2	-5.5	-4.8	55	50	NO	NO	NO
7	7_0022		Residential	G	NW	55	49	52	46	56	50	52	47	-3.1	-2.5	-3.5	-2.8	55	50	NO	NO	NO
7	7_0023		Residential	G	NW	54	49	52	46	55	49	52	47	-2.8	-2.3	-3.1	-2.5	55	50	NO	NO	NO
7	7_0024		Residential	G	NW	54	49	52	46	55	49	52	47	-2.9	-2.3	-3.2	-2.5	55	50	NO	NO	NO
7	7_0025		Residential	G	NW	54	49	52	46	55	50	52	47	-2.9	-2.4	-3.2	-2.6	55	50	NO	NO	NO
7	7_0026		Residential	G	SW	56	49	51	46	57	50	52	46	-4.3	-3.5	-5	-4.1	55	50	NO	NO	NO
7	7_0027		Residential	G	SW	57	50	52	46	58	51	53	47	-4.6	-3.9	-5.3	-4.4	55	50	NO	NO	NO
7	7_0028		Residential	G	SE	58	52	53	47	59	53	53	47	-5.7	-5	-6.3	-5.6	55	50	NO	NO	NO
7	7_0029		Residential	G	SE	59	52	53	47	60	53	53	47	-5.9	-5.3	-6.6	-6	55	50	NO	NO	NO
7	7_0030		Residential	G	SE	59	53	53	47	60	54	54	47	-6	-5.4	-6.7	-6.2	55	50	NO	NO	NO
7	7_0031		Residential	G	SE	60	53	54	48	61	54	54	48	-6.2	-5.6	-7	-6.4	55	50	NO	NO	NO
7	7_0032		Residential	G	SE	60	53	54	48	61	54	54	48	-6.2	-5.7	-7	-6.5	55	50	NO	NO	NO
7	7_0033		Residential	G	SW	62	55	56	49	63	56	56	50	-5.9	-5.5	-6.7	-6.3	55	50	NO	NO	NO
7	7_0034		Residential	G	SW	57	50	52	45	58	51	52	46	-4.9	-4.2	-5.6	-4.8	55	50	NO	NO	NO
7	7_0034		Residential	1	SW	60	54	55	49	61	55	55	49	-5.4	-4.8	-6	-5.5	55	50	NO	NO	NO
7	7_0035		Residential	G	SW	57	51	53	47	58	52	53	47	-4.7	-3.9	-5.3	-4.5	55	50	NO	NO	NO
7	7_0036		Residential	G	SE	62	55	56	49	63	56	56	49	-6.4	-6.1	-7.2	-6.9	55	50	NO	NO	NO
7	7_0036		Residential	1	SE	64	57	58	51	65	58	58	51	-6.1	-5.8	-6.8	-6.5	55	50	NO	NO	NO
7	7_0037		Residential	G	SE	63	56	57	50	64	57	57	50	-6.5	-6.2	-7.3	-7	55	50	NO	NO	NO
7	7_0038		Residential	G	SE	65	58	58	52	66	59	59	52	-6.4	-6.2	-7.2	-7	55	50	NO	NO	NO
7	7_0039		Residential	G	SE	67	60	60	53	68	61	60	54	-6.4	-6.2	-7.1	-7	55	50	NO	NO	NO
7	7_0040		Residential	G	SE	68	61	62	55	69	62	62	55	-6.1	-6	-6.8	-6.8	55	50	NO	NO	NO
7	7_0041		Residential	G	S	70	64	65	58	72	65	65	58	-5.6	-5.7	-6.3	-6.3	55	50	NO	NO	NO
7	7_0042		Residential	G	S	72	65	67	60	73	66	67	60	-5.4	-5.4	-5.9	-6	55	50	NO	NO	NO
7	7_0043		Residential	G	S	73	66	68	61	74	67	68	61	-5.2	-5.4	-5.8	-5.8	55	50	NO	NO	NO
7	7_0044		Residential	G	S	73	66	68	61	74	67	69	62	-5.2	-5.2	-5.6	-5.8	55	50	NO	NO	NO
7	7_0045		Residential	G	S	71	65	66	59	72	66	67	60	-5.1	-5.1	-5.5	-5.6	55	50	NO	NO	NO
8	8_0001		Residential	G	S	73	66	68	61	74	67	68	62	-4.8	-4.8	-5.3	-5.3	55	50	NO	NO	NO
8	8_0002		Residential	G	S	72	65	67	61	73	66	68	61	-4.8	-4.6	-5.2	-5.2	55	50	NO	NO	NO
8	8_0003		Residential	G	S	72	66	68	61	74	67	68	62	-4.7	-4.6	-5.2	-5.1	55	50	NO	NO	NO
8	8_0004		Residential	G	S	64	58	61	55	66	59	62	56	-3.2	-2.6	-3.8	-3.2	55	50	NO	NO	YES
8	8_0005		Residential	G	SW	59	52	59	54	60	53	60	55	0.7	1.9	-0.1	1.1	55	50	NO	NO	YES
8	8_0006		Residential	G	SW	55	49	56	51	57	50	57	51	0.9	1.9	0.1	1.1	55	50	NO	NO	YES
8	8_0007		Residential	G	S	56	49	55	50	57	50	56	51	-0.1	0.8	-0.8	0.3	55	50	NO	NO	YES
8	8_0008		Residential	G	SW	60	53	59	53	61	54	60	54	-0.5	0.6	-1.3	-0.1	55	50	NO	NO	YES
9	9_0001	First floor apartments	Residential	G	S	73	66	72	66	77	70	73	67	-0.5	-0.7	-3.3	-3.2	55	50	NO	NO	NO
9	9_0001	First floor apartments	Residential	1	S	74	67	73	67	78	71	74	68	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
9	9_0002	First floor apartments	Residential	G	S	73	67	73	66	77	70	74	67	-0.6	-0.7	-3.4	-3.3	55	50	NO	NO	NO
9	9_0002	First floor apartments	Residential	1	S	75	68	74	67	78	71	75	68	-0.5	-0.6	-3.3	-3.2	55	50	NO	NO	NO
9	9_0003		Residential	G	S	66	59	65	59	69	62	66	60	-0.5	-0.3	-3.1	-2.8	55	50	NO	NO	NO
9	9_0003		Residential	G	E	65	58	65	59	68	61	66	59	0	0.6	-2.5	-1.9	55	50	NO	NO	YES
9	9_0004		Residential	G	E	62	56	63	56	66	59	64	57	0.5	0.9	-2.4	-1.8	55	50	NO	NO	YES
9	9_0005		Residential	G	S	71	65	71	64	75	68	72	65	-0.6	-0.6	-3.3	-3.3	55	50	NO	NO	NO
9	9_0005		Residential	G	N	60	54	59	53	63	56	60	54	-1.2	-0.5	-2.8	-2.1	55	50	NO	NO	YES
9	9_0006		Residential	G	S	73	67	73	66	77	70	74	67	-0.6	-0.7	-3.4	-3.4	55	50	NO	NO	NO
9	9_0006		Residential	G	N	58	52	59	53	61	54	60	54	1.4	1.9	-1.2	-0.4	55	50	NO	NO	YES
9	9_0007		Residential	G	E	61	55	62	56	65	58	63	57	0.6	1.1	-2.1	-1.3	55	50	NO	NO	YES
9	9_0008		Residential	G	S	67	61	67	60	71	64	68	61	-0.4	-0.5	-3.3	-3.1	55	50	NO	NO	NO
9	9_0008		Residential	G	N	55	49	56	51	58	52	57	51	1.1	1.7	-1.2	-0.4	55	50	NO	NO	YES
9	9_0009		Residential	G	S	73	66	72	65	77	70	73	66	-0.6	-0.7	-3.4	-3.3	55	50	NO	NO	NO
9	9_0010	World of Learning Child Care	Childcare Sleeping	G	S	70	63	69	62	73	66	70	63	-0.4	-0.6	-3.4	-3.3	45	-	NO	-	NO
9	9_0010	World of Learning Child Care	Childcare Sleeping	G	N	55	49	57	51	57	51	57	52	1.9	2.2	0.1	0.8	45	-	NO	-	YES
9	9_0011		Residential	G	S	72	65	72	65	76	69	72	66	-0.6	-0.7	-3.4	-3.3	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
9	9_0012		Residential	G	S	71	64	70	64	75	68	71	64	-0.6	-0.6	-3.4	-3.4	55	50	NO	NO	NO
9	9_0013		Residential	G	S	60	53	60	54	64	57	61	54	0	0.1	-2.8	-2.5	55	50	NO	NO	NO
9	9_0013		Residential	G	E	56	50	58	52	59	53	59	53	1.5	2.3	-0.6	0.4	55	50	NO	NO	YES
9	9_0013		Residential	1	S	63	56	62	56	66	59	63	57	-0.4	-0.1	-2.9	-2.5	55	50	NO	NO	NO
9	9_0013		Residential	1	E	62	55	62	56	65	58	63	57	0.4	1	-2.1	-1.3	55	50	NO	NO	YES
9	9_0014		Residential	G	W	73	68	71	66	74	69	71	67	-2.3	-2.1	-2.3	-2.1	60	55	YES	YES	YES
10	10_0001		Residential	G	SE	66	62	65	61	67	63	66	62	-0.5	-0.5	-0.5	-0.6	57	52	NO	NO	YES
10	10_0002		Residential	G	SE	61	57	61	57	62	58	62	58	0	0	-0.1	-0.2	55	50	NO	NO	NO
10	10_0002		Residential	G	NE	59	55	60	55	60	56	60	56	0.5	0.2	0.3	0.1	55	50	NO	NO	YES
10	10_0003		Residential	G	E	59	54	59	55	60	55	60	56	0.6	0.6	0.3	0.4	55	50	NO	NO	YES
10	10_0003		Residential	1	E	60	56	61	56	61	57	61	57	0.6	0.5	0.3	0.3	55	50	NO	NO	YES
10	10_0004		Residential	G	E	55	50	56	52	56	51	57	52	1.5	1.3	1	1	55	50	NO	NO	YES
10	10_0005		Residential	G	NE	64	60	64	60	65	60	64	60	0.1	0.2	-0.1	0	55	50	NO	NO	NO
10	10_0006		Residential	G	E	53	48	54	50	54	49	55	50	1.5	1.4	0.8	0.9	55	50	NO	NO	NO
10	10_0007		Residential	G	S	53	48	53	49	55	50	54	49	0.1	0.3	-0.9	-0.6	55	50	NO	NO	NO
10	10_0008		Residential	G	S	54	49	54	49	55	50	55	50	0.1	0.3	-0.8	-0.4	55	50	NO	NO	NO
10	10_0009		Residential	G	S	54	49	54	49	56	51	55	50	0.1	0.3	-0.8	-0.5	55	50	NO	NO	NO
10	10_0010		Residential	G	S	54	50	54	50	56	51	55	51	0.1	0.2	-0.7	-0.4	55	50	NO	NO	NO
10	10_0011		Residential	G	S	55	50	55	50	56	51	56	51	0.1	0.2	-0.8	-0.5	55	50	NO	NO	NO
10	10_0012		Residential	G	E	57	52	58	53	58	53	58	54	1.2	1.1	0.6	0.7	55	50	NO	NO	YES
10	10_0013		Residential	G	S	51	47	52	47	53	48	53	48	0.3	0.3	-0.9	-0.8	55	50	NO	NO	NO
10	10_0014		Residential	G	S	53	48	53	48	54	49	53	49	0.1	0.2	-1	-0.7	55	50	NO	NO	NO
10	10_0015		Residential	G	S	53	48	53	48	55	50	54	49	0.1	0.2	-0.9	-0.6	55	50	NO	NO	NO
10	10_0016		Residential	G	S	53	48	53	48	55	50	54	49	0.1	0.2	-0.9	-0.6	55	50	NO	NO	NO
10	10_0017		Residential	G	S	53	48	53	48	55	50	54	49	0	0.2	-0.9	-0.7	55	50	NO	NO	NO
10	10_0018		Residential	G	S	53	48	53	48	55	50	54	49	0	0.1	-1	-0.7	55	50	NO	NO	NO
10	10_0019		Residential	G	N	53	49	55	50	55	50	55	51	1.1	0.9	0.7	0.6	55	50	NO	NO	NO
10	10_0020		Residential	G	NE	57	52	57	53	58	53	58	54	0.4	0.5	-0.1	0.2	55	50	NO	NO	NO
10	10_0021		Residential	G	E	52	48	54	49	54	49	54	49	1.2	1	0.5	0.4	55	50	NO	NO	NO
10	10_0022		Residential	G	S	52	47	53	48	54	49	53	49	0.5	0.6	-0.5	-0.3	55	50	NO	NO	NO
10	10_0023	Albion Public School	School Classroom	G	E	53	49	54	50	54	50	55	50	1.1	1.1	0.4	0.6	50	-	NO	-	YES
10	10_0024	Albion Public School	School Classroom	G	S	67	62	66	61	69	64	67	62	-0.9	-0.9	-2.2	-2.2	50	-	NO	-	NO
10	10_0024	Albion Public School	School Classroom	1	S	68	63	67	62	70	65	68	63	-0.8	-0.9	-2.2	-2.1	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	G	S	57	52	56	51	59	54	57	52	-0.6	-0.6	-1.8	-1.8	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	1	E	59	54	59	54	60	56	59	55	0.1	0.1	-0.9	-0.8	50	-	NO	-	NO
10	10_0025	Albion Public School	School Classroom	1	N	54	50	55	51	55	51	56	52	1	0.9	0.5	0.6	50	-	NO	-	YES
10	10_0026	Albion Public School	School Classroom	G	S	67	62	66	61	69	65	67	62	-0.9	-0.9	-2.2	-2.2	50	-	NO	-	NO
10	10_0026	Albion Public School	School Classroom	G	N	54	49	54	50	55	50	55	51	0.9	0.8	0.4	0.4	50	-	NO	-	YES
10	10_0027	Albion Public School	School Classroom	G	E	54	50	55	50	55	51	56	51	0.7	0.7	0.3	0.3	50	-	NO	-	NO
10	10_0028	Albion Public School	School Classroom	G	E	56	52	57	52	57	53	57	53	0.8	0.7	0.5	0.4	50	-	NO	-	YES
10	10_0029	Albion Public School	School Classroom	G	E	59	54	59	55	60	56	60	56	0.5	0.5	-0.3	-0.1	50	-	NO	-	NO
10	10_0029	Albion Public School	School Classroom	G	N	57	52	57	53	58	53	58	54	0.8	0.8	0.5	0.5	50	-	NO	-	YES
10	10_0031		Residential	G	E	68	65	68	64	69	65	69	65	-0.1	-0.1	-0.3	-0.2	55	50	NO	NO	NO
10	10_0032		Residential	G	E	70	66	70	66	71	67	71	67	-0.3	-0.2	-0.4	-0.3	55	50	NO	NO	NO
10	10_0033		Residential	G	E	70	67	70	66	71	67	71	67	-0.2	-0.2	-0.3	-0.2	55	50	NO	NO	NO
10	10_0034		Residential	G	E	69	65	69	65	70	66	70	66	-0.1	-0.1	-0.2	-0.2	55	50	NO	NO	NO
10	10_0035		Residential	G	NE	58	54	59	55	59	55	59	55	0.3	0.3	0	0.2	55	50	NO	NO	NO
10	10_0036		Residential	G	NE	59	55	60	56	60	56	61	56	0.3	0.3	0.1	0.2	55	50	NO	NO	NO
10	10_0037		Residential	G	NE	61	57	61	57	62	58	62	58	0.2	0.2	0.1	0.1	55	50	NO	NO	NO
10	10_0038		Residential	G	NE	62	58	63	59	63	59	63	59	0.2	0.1	-0.1	0	55	50	NO	NO	NO
10	10_0039		Residential	G	N	62	58	62	58	63	59	63	59	0.1	0.2	-0.1	0	55	50	NO	NO	NO
10	10_0040	Albion Public School	School Classroom	G	S	64	59	63	58	66	61	64	59	-0.9	-0.9	-2.2	-2.1	50	-	NO	-	NO
10	10_0041	Albion Public School	School Classroom	G	S	57	53	57	52	60	55	58	53	-0.5	-0.6	-1.8	-1.7	50	-	NO	-	NO
10	10_0041	Albion Public School	School Classroom	G	N	54	49	54	50	55	51	55	51	0.7	0.6	0.1	0.1	50	-	NO	-	YES
10	10_0042	Albion Public School	School Classroom	G	S	56	51	56	51	58	53	57	52	-0.3	-0.2	-1.6	-1.3	50	-	NO	-	NO
10	10_0042	Albion Public School	School Classroom	G	N	53	48	54	49	54	49	55	50	1.2	1.1	0.5	0.6	50	-	NO	-	YES
10	10_0043	Albion Public School	School Classroom	G	E	57	52	57	53	58	53	58	53	0.7	0.6	-0.4	-0.2	50	-	NO	-	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
10	10_0043	Albion Public School	School Classroom	G	N	53	49	54	50	54	50	55	50	1.1	1	0.5	0.5	50	-	NO	-	YES
10	10_0044		Residential	G	S	53	48	53	48	55	50	53	49	-0.2	-0.3	-1.5	-1.4	55	50	NO	NO	NO
10	10_0045		Residential	G	E	51	46	52	47	53	48	52	47	0.4	0.4	-0.7	-0.7	55	50	NO	NO	NO
10	10_0046		Residential	G	E	53	48	53	49	55	50	54	49	0.1	0.1	-1.1	-0.9	55	50	NO	NO	NO
10	10_0047		Residential	G	E	54	50	55	50	56	51	55	51	0.2	0.2	-1	-0.9	55	50	NO	NO	NO
10	10_0048		Residential	G	E	51	46	52	47	53	48	53	48	0.9	0.9	-0.1	0.1	55	50	NO	NO	NO
10	10_0049		Residential	G	E	51	46	52	47	53	48	53	48	1.1	1.1	0.1	0.3	55	50	NO	NO	NO
10	10_0050		Residential	G	S	51	46	52	47	53	48	53	48	0.4	0.5	-0.8	-0.6	55	50	NO	NO	NO
10	10_0051		Residential	G	S	51	46	52	47	53	48	52	47	0.3	0.4	-0.9	-0.8	55	50	NO	NO	NO
10	10_0052		Residential	G	S	51	46	51	46	53	48	52	47	0.3	0.3	-0.9	-0.8	55	50	NO	NO	NO
10	10_0053		Residential	G	S	51	46	51	46	53	48	52	47	0.2	0.2	-1	-0.8	55	50	NO	NO	NO
10	10_0054		Residential	G	S	51	46	51	46	53	48	52	47	0.3	0.3	-1	-0.9	55	50	NO	NO	NO
10	10_0055		Residential	G	S	51	46	51	46	53	48	52	47	0.3	0.3	-1	-0.9	55	50	NO	NO	NO
10	10_0056		Residential	G	S	51	46	51	46	53	48	52	47	0.1	0.2	-1	-0.9	55	50	NO	NO	NO
10	10_0057		Residential	G	S	51	46	51	46	53	48	52	47	0.2	0.2	-1	-0.9	55	50	NO	NO	NO
10	10_0058		Residential	G	S	51	46	52	47	53	48	52	48	0.3	0.3	-0.9	-0.8	55	50	NO	NO	NO
10	10_0059		Residential	G	S	51	46	52	47	53	48	52	47	0.1	0.2	-1.1	-0.9	55	50	NO	NO	NO
10	10_0060		Residential	G	S	52	47	52	47	54	49	53	48	0.2	0.2	-1	-0.9	55	50	NO	NO	NO
10	10_0061		Residential	G	S	52	47	52	47	54	49	53	48	0	0.1	-1.3	-1.1	55	50	NO	NO	NO
10	10_0062		Residential	G	S	52	47	52	47	54	49	53	48	0	0.1	-1.2	-1.1	55	50	NO	NO	NO
10	10_0063		Residential	G	S	51	47	52	47	54	48	52	47	0.1	0	-1.2	-1.1	55	50	NO	NO	NO
10	10_0064		Residential	G	E	51	46	52	47	53	48	53	48	1	1	0	0.2	55	50	NO	NO	NO
10	10_0065		Residential	G	E	51	46	52	47	53	48	53	48	1.2	1.1	0.2	0.4	55	50	NO	NO	NO
10	10_0066		Residential	G	E	51	46	52	47	52	47	53	48	1.2	1.2	0.3	0.4	55	50	NO	NO	NO
10	10_0067		Residential	G	E	52	47	52	48	53	48	53	48	0.9	1	0.2	0.4	55	50	NO	NO	NO
10	10_0068		Residential	G	E	51	46	52	47	52	47	53	48	1.2	1.3	0.3	0.5	55	50	NO	NO	NO
10	10_0069		Residential	G	S	51	46	52	47	53	48	52	47	0.4	0.5	-0.7	-0.5	55	50	NO	NO	NO
10	10_0070		Residential	G	E	50	46	52	47	52	47	52	48	1.5	1.3	0.6	0.6	55	50	NO	NO	NO
10	10_0070		Residential	1	E	53	48	54	49	54	49	55	50	1.2	1.2	0.4	0.6	55	50	NO	NO	NO
10	10_0071		Residential	G	S	51	46	51	47	53	48	52	47	0.4	0.5	-0.8	-0.6	55	50	NO	NO	NO
10	10_0072		Residential	G	S	50	45	50	45	52	47	51	46	0.3	0.3	-0.9	-0.8	55	50	NO	NO	NO
10	10_0073		Residential	G	S	51	46	51	46	53	48	52	47	0.2	0.3	-0.9	-0.7	55	50	NO	NO	NO
10	10_0074		Residential	G	S	50	45	51	46	52	47	51	46	0.4	0.4	-0.8	-0.7	55	50	NO	NO	NO
10	10_0075		Residential	G	S	51	46	51	46	53	48	52	47	0.2	0.3	-0.9	-0.7	55	50	NO	NO	NO
10	10_0076		Residential	G	S	50	45	51	46	52	47	51	47	0.4	0.4	-0.8	-0.7	55	50	NO	NO	NO
10	10_0077		Residential	G	S	51	46	51	46	53	48	52	47	0.1	0.3	-1	-0.8	55	50	NO	NO	NO
10	10_0078		Residential	G	S	51	45	51	46	52	47	51	46	0	0.1	-1.2	-1	55	50	NO	NO	NO
10	10_0078		Residential	1	E	52	47	53	48	54	49	54	49	0.9	0.9	0	0.2	55	50	NO	NO	NO
10	10_0079		Residential	G	S	51	45	51	46	53	47	51	46	0.1	0.2	-1.2	-0.9	55	50	NO	NO	NO
10	10_0080		Residential	G	E	50	45	51	47	52	47	52	47	1.3	1.3	0.4	0.6	55	50	NO	NO	NO
10	10_0081		Residential	G	E	51	46	52	47	52	47	53	48	1.4	1.3	0.5	0.6	55	50	NO	NO	NO
10	10_0082		Residential	G	S	51	46	51	47	53	48	52	47	0.5	0.6	-0.6	-0.3	55	50	NO	NO	NO
10	10_0083		Residential	G	E	52	47	53	48	53	48	54	49	1.4	1.4	0.6	0.8	55	50	NO	NO	NO
10	10_0084		Residential	G	E	52	47	53	49	53	48	54	49	1.4	1.4	0.7	0.8	55	50	NO	NO	NO
10	10_0085		Residential	G	E	52	47	53	48	53	48	54	49	1.4	1.3	0.6	0.8	55	50	NO	NO	NO
10	10_0086		Residential	G	E	52	47	53	48	53	48	54	49	1.4	1.4	0.7	0.9	55	50	NO	NO	NO
10	10_0087		Residential	G	E	52	47	53	48	53	48	54	49	1.6	1.6	1	1	55	50	NO	NO	NO
10	10_0088		Residential	G	E	52	47	53	49	53	48	54	49	1.5	1.4	0.8	1	55	50	NO	NO	NO
10	10_0089		Residential	G	E	51	46	52	48	52	47	53	48	1.6	1.3	0.9	0.8	55	50	NO	NO	NO
10	10_0090		Residential	G	E	52	48	55	50	53	49	55	51	2.7	2.3	2.3	2	55	50	NO	NO	YES
10	10_0091		Residential	G	E	52	47	52	48	54	49	53	48	0.3	0.4	-0.8	-0.7	55	50	NO	NO	NO
10	10_0092		Residential	G	S	52	47	52	47	54	49	52	47	0	0	-1.2	-1.2	55	50	NO	NO	NO
10	10_0093		Residential	G	S	52	47	51	46	54	49	52	47	-0.1	-0.2	-1.4	-1.3	55	50	NO	NO	NO
10	10_0094	First floor apartments	Residential	G	S	69	64	68	63	71	66	69	64	-0.9	-0.9	-2.2	-2.2	55	50	NO	NO	NO
10	10_0094	First floor apartments	Residential	1	S	70	65	69	64	72	67	70	65	-0.9	-0.9	-2.2	-2.2	55	50	NO	NO	NO
11	11_0001		Residential	G	NE	58	54	56	52	59	55	57	52	-2.4	-2.7	-2.2	-2.6	55	50	NO	NO	NO
11	11_0002		Residential	G	NW	57	53	56	52	57	53	57	52	-0.4	-1.1	-0.4	-1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
11	11_0003		Residential	G	W	56	52	56	51	57	52	57	52	0.1	-0.6	0.1	-0.5	55	50	NO	NO	NO
11	11_0004		Residential	G	NW	56	52	56	51	57	53	56	52	-0.4	-1.1	-0.4	-1	55	50	NO	NO	NO
11	11_0004		Residential	G	SW	54	50	55	50	55	51	56	51	0.7	0	0.7	0	55	50	NO	NO	YES
11	11_0005		Residential	G	NW	58	54	56	52	59	55	57	52	-1.9	-2.3	-1.8	-2.2	55	50	NO	NO	NO
11	11_0006		Residential	G	NW	57	53	55	51	57	53	56	51	-1.7	-2.1	-1.5	-2.1	55	50	NO	NO	NO
11	11_0007		Residential	G	NW	56	52	55	50	57	53	56	51	-1.5	-2	-1.4	-1.9	55	50	NO	NO	NO
11	11_0008		Residential	G	NE	57	53	54	50	57	53	54	50	-2.9	-3	-2.7	-2.9	55	50	NO	NO	NO
11	11_0009		Residential	G	NE	56	52	53	49	56	52	54	49	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
11	11_0010		Residential	G	NE	56	52	53	49	56	52	54	49	-2.8	-3	-2.7	-2.9	55	50	NO	NO	NO
11	11_0011		Residential	G	NE	56	52	53	49	56	52	54	49	-2.6	-2.8	-2.5	-2.7	55	50	NO	NO	NO
11	11_0012		Residential	G	NE	56	52	53	49	56	52	53	49	-2.6	-2.8	-2.6	-2.7	55	50	NO	NO	NO
11	11_0013		Residential	G	NE	56	52	53	49	56	52	53	49	-2.6	-2.8	-2.5	-2.7	55	50	NO	NO	NO
11	11_0014		Residential	G	SW	52	48	53	48	53	48	54	49	1	0.4	0.9	0.4	55	50	NO	NO	NO
11	11_0015		Residential	G	NE	55	51	52	48	55	51	52	48	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
11	11_0015		Residential	1	NW	57	53	56	51	57	53	56	52	-1	-1.6	-0.9	-1.4	55	50	NO	NO	NO
11	11_0016		Residential	G	SW	52	47	53	48	52	48	53	48	0.7	0.2	0.7	0.1	55	50	NO	NO	NO
11	11_0017		Residential	G	NW	53	49	54	49	54	50	54	49	0.3	-0.5	0.2	-0.4	55	50	NO	NO	NO
11	11_0018		Residential	G	SW	53	48	54	49	53	49	54	49	0.9	0.2	0.8	0.2	55	50	NO	NO	NO
11	11_0019		Residential	G	SW	53	48	54	49	53	49	54	49	0.9	0.3	0.9	0.3	55	50	NO	NO	NO
11	11_0020		Residential	G	SW	53	48	54	49	53	49	54	49	1	0.4	0.9	0.3	55	50	NO	NO	NO
11	11_0021		Residential	G	SW	53	49	54	49	54	49	54	49	1	0.3	0.8	0.2	55	50	NO	NO	NO
11	11_0022		Residential	G	SW	53	49	54	49	54	49	55	50	1	0.3	0.9	0.3	55	50	NO	NO	NO
11	11_0023		Residential	G	NE	56	52	54	49	56	52	54	50	-2.2	-2.6	-2.1	-2.4	55	50	NO	NO	NO
11	11_0024		Residential	G	SW	53	49	55	50	54	50	55	50	1.1	0.4	1	0.4	55	50	NO	NO	NO
11	11_0025		Residential	G	NE	57	53	54	50	57	53	55	51	-2.3	-2.6	-2.1	-2.5	55	50	NO	NO	NO
11	11_0026		Residential	G	NE	57	53	55	50	57	53	55	51	-2.1	-2.5	-2	-2.4	55	50	NO	NO	NO
11	11_0026		Residential	G	SW	54	50	55	50	55	51	56	51	1	0.3	0.9	0.3	55	50	NO	NO	YES
11	11_0027		Residential	G	NE	57	53	55	50	57	53	55	51	-1.8	-2.3	-1.8	-2.2	55	50	NO	NO	NO
11	11_0027		Residential	G	SW	54	49	55	50	54	50	55	51	1.2	0.5	1.1	0.5	55	50	NO	NO	YES
11	11_0028		Residential	G	NW	57	53	57	52	58	54	57	53	-0.5	-1.2	-0.5	-1.2	55	50	NO	NO	NO
11	11_0029		Residential	G	NE	57	53	54	50	57	53	55	50	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0029		Residential	1	NW	58	54	57	52	59	55	57	53	-1.4	-2	-1.3	-1.9	55	50	NO	NO	NO
11	11_0029		Residential	1	SW	54	50	55	50	55	51	56	51	0.6	-0.1	0.5	0	55	50	NO	NO	YES
11	11_0030		Residential	G	NE	57	53	54	50	57	53	55	51	-2.7	-2.9	-2.6	-2.8	55	50	NO	NO	NO
11	11_0031		Residential	G	NW	56	52	55	50	57	53	55	51	-1.6	-2	-1.5	-1.9	55	50	NO	NO	NO
11	11_0032		Residential	G	NW	57	53	55	51	57	53	56	51	-1.4	-1.9	-1.3	-1.8	55	50	NO	NO	NO
11	11_0033		Residential	G	NW	57	53	55	51	57	53	56	51	-1.8	-2.2	-1.6	-2	55	50	NO	NO	NO
11	11_0034		Residential	G	NW	57	53	57	52	58	54	57	53	-0.1	-0.9	-0.2	-0.9	55	50	NO	NO	NO
11	11_0034		Residential	G	SW	55	51	56	51	56	51	56	51	0.8	0.1	0.8	0.1	55	50	NO	NO	YES
11	11_0035		Residential	G	N	59	55	57	52	59	55	57	53	-2.1	-2.5	-1.9	-2.3	55	50	NO	NO	NO
11	11_0036		Residential	G	NE	59	55	56	52	59	55	57	53	-2.6	-2.9	-2.5	-2.7	55	50	NO	NO	NO
11	11_0036		Residential	G	SW	55	51	56	51	56	52	57	52	0.8	0	0.8	0	55	50	NO	NO	YES
11	11_0037		Residential	G	NE	59	55	57	52	60	56	57	53	-2.6	-2.9	-2.5	-2.8	55	50	NO	NO	NO
11	11_0037		Residential	G	SW	55	51	56	51	56	52	57	52	0.8	0	0.8	0	55	50	NO	NO	YES
11	11_0038		Residential	G	NE	59	55	57	53	60	56	57	53	-2.6	-2.8	-2.4	-2.7	55	50	NO	NO	NO
11	11_0038		Residential	G	SW	55	51	56	51	56	52	56	51	0.6	-0.1	0.6	-0.2	55	50	NO	NO	YES
11	11_0039		Residential	G	NW	59	55	58	53	59	55	59	54	-0.5	-1.2	-0.4	-1.2	55	50	NO	NO	YES
11	11_0040		Residential	G	N	61	57	60	55	62	58	60	56	-1.8	-2.3	-1.8	-2.2	55	50	NO	NO	YES
11	11_0041		Residential	G	NW	73	69	66	60	74	70	66	61	-7.6	-8.4	-7.8	-8.5	55	50	YES	YES	YES
11	11_0042		Residential	G	NW	74	70	65	60	75	70	66	61	-8.8	-9.3	-9	-9.5	55	50	YES	YES	YES
11	11_0043		Residential	G	NW	69	65	66	61	70	65	67	62	-2.5	-3.4	-2.6	-3.5	55	50	YES	YES	YES
11	11_0044		Residential	G	NW	67	63	66	61	68	64	66	61	-1.5	-2.4	-1.8	-2.7	55	50	YES	YES	YES
11	11_0045		Residential	G	W	54	50	56	51	55	51	57	52	1.7	1	1.5	0.8	55	50	NO	NO	YES
11	11_0046		Residential	G	NE	73	70	70	66	74	70	71	67	-3.3	-3.4	-3.1	-3.2	55	50	NO	NO	NO
11	11_0046		Residential	G	SW	61	57	59	55	61	57	60	55	-1.4	-2	-1.4	-1.9	55	50	NO	NO	YES
11	11_0047		Residential	G	NE	72	68	69	65	72	68	69	65	-3.3	-3.4	-3.3	-3.2	55	50	NO	NO	NO
11	11_0047		Residential	G	SW	59	56	59	54	60	56	59	55	-0.9	-1.6	-0.9	-1.5	55	50	NO	NO	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
11	11_0048		Residential	G	NE	72	68	69	65	73	69	69	65	-3.3	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0048		Residential	G	SW	59	55	58	54	60	56	59	54	-0.9	-1.5	-0.9	-1.5	55	50	NO	NO	YES
11	11_0049		Residential	G	NE	72	68	69	65	72	69	69	65	-3.4	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0049		Residential	G	SW	59	55	58	54	59	55	59	54	-0.7	-1.4	-0.7	-1.3	55	50	NO	NO	YES
11	11_0050		Residential	G	NE	70	66	67	63	70	67	67	63	-3.4	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0050		Residential	G	SW	59	55	58	53	59	55	59	54	-0.7	-1.3	-0.6	-1.3	55	50	NO	NO	YES
11	11_0051		Residential	G	NE	71	68	68	64	72	68	69	65	-3.3	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0051		Residential	G	SW	59	55	58	53	59	55	58	54	-0.9	-1.5	-0.8	-1.5	55	50	NO	NO	YES
11	11_0052		Residential	G	NE	70	67	67	63	71	67	68	64	-3.4	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0052		Residential	G	SW	59	55	58	53	59	55	58	54	-0.9	-1.5	-0.8	-1.4	55	50	NO	NO	YES
11	11_0053		Residential	G	NE	73	70	70	66	74	70	70	67	-3.3	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0053		Residential	G	SW	59	55	57	53	59	55	58	53	-1.2	-1.7	-1.1	-1.7	55	50	NO	NO	YES
11	11_0054		Residential	G	NE	69	66	66	62	70	66	67	63	-3.3	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0054		Residential	G	NW	63	59	60	56	63	59	61	56	-2.5	-2.7	-2.3	-2.6	55	50	NO	NO	YES
11	11_0055		Residential	G	NE	70	66	67	63	70	67	67	63	-3.4	-3.4	-3.2	-3.2	55	50	NO	NO	NO
11	11_0056		Residential	G	NE	71	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0057		Residential	G	NE	72	68	68	65	72	68	69	65	-3.4	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0058		Residential	G	NE	72	68	68	64	72	68	69	65	-3.3	-3.4	-3.1	-3.2	55	50	NO	NO	NO
11	11_0059		Residential	G	NE	71	67	68	64	72	68	68	65	-3.3	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0060		Residential	G	NE	71	67	68	64	71	68	68	64	-3.4	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0061		Residential	G	NE	72	69	69	65	73	69	70	66	-3.3	-3.3	-3.1	-3.2	55	50	NO	NO	NO
11	11_0062		Residential	G	NE	72	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0063		Residential	G	NE	72	68	68	64	72	68	69	65	-3.3	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0064		Residential	G	NE	71	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.2	55	50	NO	NO	NO
11	11_0065		Residential	G	NE	72	68	68	65	72	68	69	65	-3.3	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0066		Residential	G	NE	72	68	68	64	72	68	69	65	-3.4	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0067		Residential	G	NE	72	69	69	65	73	69	69	66	-3.4	-3.3	-3.2	-3.1	55	50	NO	NO	NO
11	11_0068		Residential	G	N	62	58	59	55	62	58	60	56	-2.6	-2.8	-2.4	-2.7	55	50	NO	NO	YES
11	11_0069		Residential	G	NE	61	57	58	54	61	57	58	54	-2.9	-3.1	-2.8	-2.9	55	50	NO	NO	NO
11	11_0069		Residential	G	NW	60	56	58	53	60	56	58	54	-1.9	-2.3	-1.8	-2.1	55	50	NO	NO	YES
11	11_0070		Residential	G	NE	61	57	58	54	61	57	58	54	-3	-3.1	-2.8	-3	55	50	NO	NO	NO
11	11_0071		Residential	G	NE	61	57	58	54	61	57	58	54	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0072		Residential	G	NE	61	57	58	54	61	57	58	54	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0073		Residential	G	NE	61	57	58	54	62	58	59	55	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0074		Residential	G	NE	60	57	57	53	61	57	58	54	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0075		Residential	G	NE	61	57	58	54	61	57	58	54	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0076		Residential	G	NE	60	56	57	53	61	57	57	53	-3.2	-3.3	-3.1	-3.1	55	50	NO	NO	NO
11	11_0077		Residential	G	E	59	55	56	52	59	55	56	52	-3.2	-3.2	-3	-3.1	55	50	NO	NO	NO
11	11_0078		Residential	G	NE	62	58	59	55	62	59	59	55	-3.1	-3.2	-3	-3.1	55	50	NO	NO	NO
11	11_0079		Residential	G	NW	59	55	57	52	59	55	57	53	-2.4	-2.7	-2.3	-2.6	55	50	NO	NO	NO
11	11_0080		Residential	G	NW	59	55	57	52	59	55	57	53	-2.1	-2.5	-2	-2.4	55	50	NO	NO	NO
11	11_0081		Residential	G	NE	60	56	57	53	60	56	57	53	-3.1	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0082		Residential	G	NE	60	56	57	53	60	56	57	53	-3	-3.2	-2.9	-3	55	50	NO	NO	NO
11	11_0083		Residential	G	NW	59	55	56	52	59	55	57	53	-2.4	-2.6	-2.3	-2.5	55	50	NO	NO	NO
11	11_0084		Residential	G	NW	57	53	55	51	58	54	56	51	-2	-2.4	-1.9	-2.3	55	50	NO	NO	NO
11	11_0085		Residential	G	NW	57	53	55	50	57	53	55	51	-2	-2.3	-1.8	-2.2	55	50	NO	NO	NO
11	11_0086		Residential	G	NW	57	53	55	50	57	53	55	51	-2.1	-2.4	-2	-2.3	55	50	NO	NO	NO
11	11_0087		Residential	G	NE	56	52	53	49	57	53	54	50	-2.8	-3	-2.7	-2.8	55	50	NO	NO	NO
11	11_0088		Residential	G	NE	56	52	53	49	57	52	54	50	-2.8	-2.9	-2.7	-2.7	55	50	NO	NO	NO
11	11_0089		Residential	G	NE	57	53	54	50	57	53	54	50	-2.9	-3	-2.8	-2.9	55	50	NO	NO	NO
11	11_0090		Residential	G	NE	57	53	54	50	58	54	55	51	-2.9	-3	-2.7	-2.9	55	50	NO	NO	NO
11	11_0091		Residential	G	NE	58	54	55	50	58	54	55	51	-3	-3.1	-2.8	-3	55	50	NO	NO	NO
11	11_0092		Residential	G	NE	58	54	55	51	58	54	55	51	-2.9	-3.1	-2.8	-2.9	55	50	NO	NO	NO
11	11_0093		Residential	G	NE	58	54	55	51	59	55	56	52	-2.9	-3.1	-2.8	-2.9	55	50	NO	NO	NO
11	11_0094		Residential	G	NE	59	55	56	52	59	55	56	52	-3	-3.1	-2.9	-3	55	50	NO	NO	NO
11	11_0095		Residential	G	NE	59	55	56	52	59	55	56	52	-3.1	-3.1	-2.9	-2.9	55	50	NO	NO	NO
12	12_0001		Residential	G	W	58	54	55	51	59	55	55	51	-3.1	-3.3	-3.2	-3.6	56	51	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0001		Residential	1	W	59	55	56	51	60	56	56	52	-3.2	-3.5	-3.4	-3.7	56	51	NO	NO	NO
12	12_0002		Residential	G	W	57	53	54	50	58	54	55	50	-2.7	-3	-2.9	-3.2	56	51	NO	NO	NO
12	12_0003		Residential	G	W	56	52	54	49	57	53	54	50	-2.4	-2.7	-2.6	-2.9	56	51	NO	NO	NO
12	12_0004		Residential	G	W	57	53	54	49	57	53	54	50	-2.8	-3.1	-2.9	-3.2	56	51	NO	NO	NO
12	12_0005		Residential	G	N	57	52	54	50	57	53	55	50	-2.4	-2.7	-2.6	-2.9	56	51	NO	NO	NO
12	12_0006		Residential	G	N	56	51	54	49	56	52	54	49	-2.1	-2.3	-2.3	-2.7	56	51	NO	NO	NO
12	12_0006		Residential	1	W	57	53	55	50	58	54	55	51	-2.5	-2.8	-2.6	-3	56	51	NO	NO	NO
12	12_0007		Residential	G	W	56	52	53	48	56	52	53	49	-3.1	-3.5	-3.3	-3.7	55	50	NO	NO	NO
12	12_0008		Residential	G	W	56	52	53	48	57	52	53	49	-3.2	-3.5	-3.4	-3.7	55	50	NO	NO	NO
12	12_0009		Residential	G	W	56	52	53	49	57	53	54	50	-2.9	-3.2	-3.1	-3.3	56	51	NO	NO	NO
12	12_0010		Residential	G	W	56	52	53	49	57	53	54	49	-2.9	-3.3	-3.1	-3.5	55	50	NO	NO	NO
12	12_0011		Residential	G	W	55	51	53	48	56	52	53	48	-2.6	-3	-2.9	-3.3	55	50	NO	NO	NO
12	12_0011		Residential	1	W	58	54	56	51	59	55	56	52	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0012		Residential	G	SW	55	51	52	48	56	52	53	48	-3.1	-3.5	-3.2	-3.6	55	50	NO	NO	NO
12	12_0013		Residential	G	W	55	51	51	47	55	51	52	47	-3.3	-3.6	-3.4	-3.8	55	50	NO	NO	NO
12	12_0013		Residential	1	W	58	54	55	50	59	55	55	51	-3.5	-3.9	-3.7	-4	55	50	NO	NO	NO
12	12_0014		Residential	G	W	55	51	52	47	56	52	52	48	-3.5	-3.9	-3.7	-4	55	50	NO	NO	NO
12	12_0015		Residential	G	SW	54	50	51	47	55	51	52	47	-3.1	-3.6	-3.4	-3.7	55	50	NO	NO	NO
12	12_0016		Residential	G	SW	55	51	52	48	56	52	53	48	-3.3	-3.7	-3.5	-3.9	55	50	NO	NO	NO
12	12_0016		Residential	1	SW	59	54	56	52	59	55	57	52	-2.4	-2.9	-2.6	-3	55	50	NO	NO	NO
12	12_0017		Residential	G	SW	55	51	52	47	56	52	52	48	-3.4	-3.8	-3.6	-4	55	50	NO	NO	NO
12	12_0018		Residential	G	SW	55	51	52	47	56	51	52	48	-3.2	-3.6	-3.5	-3.8	55	50	NO	NO	NO
12	12_0018		Residential	1	SW	59	54	56	52	59	55	57	52	-2.3	-2.8	-2.5	-2.9	55	50	NO	NO	NO
12	12_0019		Residential	G	W	52	48	49	45	53	49	50	45	-3.1	-3.6	-3.4	-3.7	55	50	NO	NO	NO
12	12_0020		Residential	G	NW	52	48	49	44	53	49	49	45	-3.5	-3.9	-3.8	-4.1	55	50	NO	NO	NO
12	12_0021		Residential	G	SW	54	49	50	46	54	50	51	46	-3.2	-3.5	-3.3	-3.6	55	50	NO	NO	NO
12	12_0021		Residential	1	SW	57	53	54	49	58	53	54	50	-3.3	-3.7	-3.4	-3.8	55	50	NO	NO	NO
12	12_0022		Residential	G	SE	54	50	52	47	54	50	52	47	-2.3	-2.8	-2.3	-2.8	55	50	NO	NO	NO
12	12_0022		Residential	1	SW	57	53	55	50	58	54	56	51	-2.4	-2.9	-2.5	-3	55	50	NO	NO	NO
12	12_0023		Residential	G	N	55	50	52	47	55	51	52	48	-2.7	-3	-3	-3.2	55	50	NO	NO	NO
12	12_0023		Residential	1	N	58	54	55	50	59	54	55	51	-3.1	-3.4	-3.4	-3.6	55	50	NO	NO	NO
12	12_0024		Residential	G	N	55	51	52	48	56	51	53	48	-2.7	-3.1	-3	-3.3	55	50	NO	NO	NO
12	12_0024		Residential	1	W	59	55	56	52	60	56	57	52	-3.3	-3.7	-3.6	-4	55	50	NO	NO	NO
12	12_0025		Residential	G	W	55	50	51	47	55	51	52	47	-3.3	-3.6	-3.5	-3.8	55	50	NO	NO	NO
12	12_0026		Residential	G	W	54	50	50	46	55	51	51	46	-4	-4.5	-4.4	-4.7	55	50	NO	NO	NO
12	12_0027		Residential	G	W	55	51	51	47	56	52	52	47	-4.1	-4.6	-4.6	-4.9	55	50	NO	NO	NO
12	12_0028		Residential	G	SW	56	51	52	48	56	52	53	48	-3.5	-3.9	-3.8	-4.1	55	50	NO	NO	NO
12	12_0029		Residential	G	SW	55	51	52	47	56	52	52	48	-3.5	-3.9	-3.8	-4.2	55	50	NO	NO	NO
12	12_0030		Residential	G	SW	56	52	52	48	57	52	53	48	-3.5	-3.9	-3.7	-4	55	50	NO	NO	NO
12	12_0031		Residential	G	SW	56	52	53	48	57	53	53	49	-3.5	-3.9	-3.8	-4.1	55	50	NO	NO	NO
12	12_0032		Residential	G	W	57	52	53	49	57	53	54	49	-3.3	-3.7	-3.5	-3.9	55	50	NO	NO	NO
12	12_0033		Residential	G	SW	57	53	54	49	58	53	54	49	-3.3	-3.8	-3.5	-3.9	55	50	NO	NO	NO
12	12_0034		Residential	G	SW	57	53	54	49	58	54	54	50	-3.3	-3.7	-3.4	-3.8	55	50	NO	NO	NO
12	12_0035		Residential	G	SW	58	54	55	50	58	54	55	51	-2.9	-3.4	-3	-3.5	55	50	NO	NO	NO
12	12_0036		Residential	G	SW	58	54	55	51	58	54	56	51	-2.7	-3.2	-2.8	-3.3	55	50	NO	NO	NO
12	12_0037		Residential	G	SW	58	53	54	50	58	54	55	50	-3.1	-3.5	-3.1	-3.5	55	50	NO	NO	NO
12	12_0037		Residential	1	SW	59	55	56	52	60	55	57	52	-2.8	-3.3	-2.9	-3.4	55	50	NO	NO	NO
12	12_0038		Residential	G	S	57	53	54	49	57	53	54	50	-3	-3.6	-3.1	-3.6	55	50	NO	NO	NO
12	12_0039		Residential	G	S	55	51	53	48	56	52	53	49	-2.6	-3.1	-2.7	-3.2	55	50	NO	NO	NO
12	12_0040		Residential	G	SE	58	54	54	49	59	55	54	50	-4.4	-4.7	-4.5	-4.9	55	50	NO	NO	NO
12	12_0040		Residential	1	SE	61	57	57	53	62	58	58	53	-4	-4.3	-4.1	-4.5	55	50	NO	NO	NO
12	12_0041		Residential	G	S	58	54	54	49	59	55	54	50	-4.6	-4.9	-4.7	-5	55	50	NO	NO	NO
12	12_0041		Residential	1	S	62	58	58	53	62	58	58	54	-4.2	-4.6	-4.4	-4.8	55	50	NO	NO	NO
12	12_0042		Residential	G	S	59	55	54	49	59	55	54	50	-5	-5.2	-5.1	-5.4	55	50	NO	NO	NO
12	12_0042		Residential	1	S	62	58	58	53	63	59	58	54	-4.4	-4.7	-4.5	-4.9	55	50	NO	NO	YES
12	12_0043		Residential	G	SE	60	56	55	51	61	57	55	51	-5.3	-5.5	-5.5	-5.6	55	50	NO	NO	NO
12	12_0044		Residential	G	SW	61	57	55	51	61	57	56	51	-5.6	-5.8	-5.8	-5.9	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0044		Residential	1	SW	64	60	59	55	65	61	60	55	-5	-5.3	-5.3	-5.4	55	50	NO	NO	YES
12	12_0045		Residential	G	W	62	58	56	52	62	58	57	52	-5.6	-5.7	-5.7	-5.8	55	50	NO	NO	NO
12	12_0046		Residential	G	W	62	57	56	51	62	58	56	52	-5.8	-6	-6	-6.1	55	50	NO	NO	NO
12	12_0046		Residential	1	W	65	61	59	55	66	62	60	56	-5.8	-6	-6	-6.2	55	50	NO	NO	NO
12	12_0047		Residential	G	W	63	59	57	53	64	60	58	54	-5.9	-5.9	-6	-6.1	55	50	NO	NO	NO
12	12_0047		Residential	1	W	68	64	62	58	68	64	62	58	-5.9	-6	-6	-6.2	55	50	NO	NO	NO
12	12_0048		Residential	G	W	64	59	58	53	64	60	58	54	-5.8	-5.9	-6	-6	55	50	NO	NO	NO
12	12_0048		Residential	1	W	68	63	62	58	68	64	62	58	-5.6	-5.8	-5.7	-5.9	55	50	NO	NO	NO
12	12_0049		Residential	G	W	70	65	64	60	70	66	65	60	-5.5	-5.5	-5.5	-5.5	55	50	NO	NO	NO
12	12_0050		Residential	G	S	59	55	54	50	59	55	55	50	-4.5	-4.8	-4.6	-4.9	55	50	NO	NO	NO
12	12_0051		Residential	G	S	59	55	55	50	60	56	55	51	-4.8	-5.1	-4.9	-5.2	55	50	NO	NO	NO
12	12_0052		Residential	G	S	59	55	55	50	60	56	55	51	-4.7	-5.1	-4.9	-5.2	55	50	NO	NO	NO
12	12_0053		Residential	G	SW	61	56	55	51	61	57	56	51	-5.3	-5.5	-5.5	-5.7	55	50	NO	NO	NO
12	12_0054		Residential	G	S	62	58	58	53	63	59	58	54	-4.5	-4.8	-4.6	-4.9	55	50	NO	NO	NO
12	12_0055		Residential	G	W	65	61	60	56	66	62	60	56	-5.4	-5.6	-5.6	-5.7	55	50	NO	NO	NO
12	12_0055		Residential	G	S	64	60	59	55	64	60	59	55	-5	-5.1	-5	-5.1	55	50	NO	NO	YES
12	12_0055		Residential	1	W	68	64	63	59	69	64	63	59	-5.1	-5.3	-5.2	-5.4	55	50	NO	NO	YES
12	12_0056		Residential	G	W	66	62	61	57	67	63	61	57	-5.1	-5.3	-5.2	-5.4	55	50	NO	NO	NO
12	12_0056		Residential	G	S	65	60	60	56	65	61	61	56	-4.6	-4.8	-4.5	-4.8	55	50	NO	NO	YES
12	12_0056		Residential	1	W	69	65	64	59	69	65	64	60	-5.1	-5.3	-5.1	-5.4	55	50	NO	NO	YES
12	12_0057		Residential	G	SE	59	55	55	50	59	55	55	51	-4	-4.5	-4.2	-4.6	55	50	NO	NO	NO
12	12_0058		Residential	G	S	59	55	55	50	60	56	55	51	-4.3	-4.7	-4.4	-4.8	55	50	NO	NO	NO
12	12_0059		Residential	G	SE	60	55	55	50	60	56	55	51	-4.7	-5	-4.8	-5.1	55	50	NO	NO	NO
12	12_0060		Residential	G	S	60	56	56	51	61	57	56	52	-4.5	-4.8	-4.7	-5	55	50	NO	NO	NO
12	12_0061		Residential	G	S	57	53	53	48	58	53	53	49	-4.3	-4.7	-4.5	-4.8	55	50	NO	NO	NO
12	12_0062		Residential	G	SE	58	54	53	49	58	54	54	49	-4.3	-4.6	-4.3	-4.7	55	50	NO	NO	NO
12	12_0063		Residential	G	SE	58	53	53	49	58	54	54	49	-4.4	-4.7	-4.5	-4.7	55	50	NO	NO	NO
12	12_0064		Residential	G	SE	59	55	55	50	60	56	55	51	-4.5	-4.8	-4.6	-5	55	50	NO	NO	NO
12	12_0065		Residential	G	S	59	55	55	50	60	56	55	51	-4.6	-5	-4.7	-5.1	55	50	NO	NO	NO
12	12_0066		Residential	G	N	59	55	54	50	60	56	54	50	-5.4	-5.7	-5.7	-5.9	55	50	NO	NO	NO
12	12_0067		Residential	G	W	63	59	59	54	64	60	59	55	-4.7	-5	-4.8	-5	55	50	NO	NO	YES
12	12_0068		Residential	G	W	65	61	60	55	65	61	60	56	-5.1	-5.4	-5.2	-5.5	55	50	NO	NO	YES
12	12_0068		Residential	1	W	67	63	62	58	68	64	62	58	-5.1	-5.3	-5.2	-5.4	55	50	NO	NO	YES
12	12_0069		Residential	G	SE	61	57	56	52	61	57	57	52	-4.6	-4.9	-4.6	-4.9	55	50	NO	NO	NO
12	12_0070		Residential	G	SE	60	56	56	51	60	56	56	52	-4.4	-4.8	-4.5	-4.8	55	50	NO	NO	NO
12	12_0071		Residential	G	S	60	56	56	51	61	57	56	52	-4.6	-4.9	-4.6	-4.9	55	50	NO	NO	NO
12	12_0072		Residential	G	S	60	56	57	52	61	57	57	53	-3.7	-4.1	-3.7	-4.1	55	50	NO	NO	NO
12	12_0073		Residential	G	S	58	54	55	51	59	55	56	51	-3	-3.5	-3	-3.5	55	50	NO	NO	NO
12	12_0073		Residential	1	W	62	58	58	54	63	59	59	54	-3.9	-4.3	-3.9	-4.4	55	50	NO	NO	YES
12	12_0074		Residential	G	S	60	55	56	52	60	56	57	52	-3.2	-3.7	-3.2	-3.7	55	50	NO	NO	NO
12	12_0075		Residential	G	NW	63	59	56	52	65	60	57	52	-6.4	-7.3	-7.9	-7.7	55	50	NO	NO	NO
12	12_0075		Residential	1	W	64	61	59	54	66	61	59	55	-5.5	-6.3	-6.5	-6.5	55	50	NO	NO	YES
12	12_0076		Residential	G	W	62	58	57	52	63	58	57	53	-4.8	-5.5	-5.5	-5.7	55	50	NO	NO	NO
12	12_0076		Residential	1	W	63	60	59	54	65	60	59	55	-4.8	-5.5	-5.6	-5.8	55	50	NO	NO	YES
12	12_0077		Residential	G	W	60	56	55	50	61	56	55	51	-4.8	-5.4	-5.4	-5.7	55	50	NO	NO	NO
12	12_0077		Residential	1	W	62	58	57	53	63	58	58	53	-4.3	-4.9	-4.8	-5.1	55	50	NO	NO	NO
12	12_0078		Residential	G	W	60	56	55	50	60	56	55	51	-4.7	-5.2	-5.2	-5.4	55	50	NO	NO	NO
12	12_0078		Residential	1	W	62	58	58	53	62	58	58	54	-4	-4.6	-4.3	-4.7	55	50	NO	NO	NO
12	12_0079		Residential	G	SW	59	55	55	50	60	56	55	51	-4.4	-4.8	-4.8	-5	55	50	NO	NO	NO
12	12_0079		Residential	1	SW	61	57	58	53	62	58	58	54	-3.9	-4.4	-4.1	-4.5	55	50	NO	NO	NO
12	12_0080		Residential	G	SW	59	55	55	50	60	56	55	51	-4.3	-4.8	-4.6	-5	55	50	NO	NO	NO
12	12_0080		Residential	1	SW	61	57	57	53	62	58	58	53	-3.8	-4.3	-4	-4.5	55	50	NO	NO	NO
12	12_0081		Residential	G	W	59	55	56	51	60	56	56	52	-3.7	-4.2	-3.8	-4.3	55	50	NO	NO	NO
12	12_0081		Residential	1	W	61	57	58	53	62	58	58	54	-3.6	-4.1	-3.8	-4.2	55	50	NO	NO	YES
12	12_0082		Residential	G	W	58	54	54	49	59	55	54	50	-4.5	-4.9	-4.7	-5.1	55	50	NO	NO	NO
12	12_0083		Residential	G	W	59	55	55	51	59	55	56	51	-3.4	-4	-3.5	-4.1	55	50	NO	NO	NO
12	12_0083		Residential	1	W	61	57	58	53	62	58	58	54	-3.5	-4	-3.7	-4.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0084		Residential	G	W	58	54	54	49	59	55	54	50	-4.2	-4.5	-4.3	-4.7	55	50	NO	NO	NO
12	12_0085		Residential	G	SW	59	55	54	50	59	55	55	50	-4.3	-4.8	-4.6	-4.9	55	50	NO	NO	NO
12	12_0086		Residential	G	W	54	50	51	46	54	50	51	46	-3.3	-3.6	-3.5	-3.9	55	50	NO	NO	NO
12	12_0086		Residential	1	W	57	53	53	49	57	53	54	49	-3.3	-3.6	-3.4	-3.8	55	50	NO	NO	NO
12	12_0087		Residential	G	SW	54	50	51	46	54	50	51	47	-3.1	-3.5	-3.3	-3.6	55	50	NO	NO	NO
12	12_0088		Residential	G	W	53	49	50	46	54	49	51	46	-2.8	-3.2	-3	-3.4	55	50	NO	NO	NO
12	12_0089		Residential	G	W	53	49	50	45	53	49	50	46	-3	-3.4	-3.2	-3.6	55	50	NO	NO	NO
12	12_0090		Residential	G	SW	53	49	50	45	53	49	50	46	-3.1	-3.4	-3.3	-3.6	55	50	NO	NO	NO
12	12_0091		Residential	G	SW	53	49	50	46	54	50	51	46	-2.8	-3.2	-2.9	-3.3	55	50	NO	NO	NO
12	12_0091		Residential	1	SW	56	51	53	49	56	52	54	49	-2.3	-2.8	-2.4	-2.9	55	50	NO	NO	NO
12	12_0092		Residential	G	S	60	56	55	51	60	56	56	51	-4.6	-4.8	-4.6	-4.7	55	50	NO	NO	NO
12	12_0092		Residential	1	W	63	59	58	54	64	60	59	54	-5.1	-5.3	-5.1	-5.4	55	50	NO	NO	YES
12	12_0093		Residential	G	S	62	58	58	54	63	59	59	54	-4.2	-4.4	-4.2	-4.4	55	50	NO	NO	YES
12	12_0094		Residential	G	SW	61	57	57	52	61	57	57	53	-3.9	-4.3	-4	-4.4	55	50	NO	NO	NO
12	12_0094		Residential	1	SW	62	58	58	54	63	59	59	54	-3.8	-4.2	-3.9	-4.3	55	50	NO	NO	YES
12	12_0095		Residential	G	W	58	54	53	49	58	54	54	49	-4.2	-4.6	-4.4	-4.7	55	50	NO	NO	NO
12	12_0096		Residential	G	SW	59	55	56	51	60	56	56	52	-3.5	-3.9	-3.5	-4	55	50	NO	NO	NO
12	12_0097		Residential	G	N	54	50	51	47	54	50	52	47	-2.3	-2.6	-2.4	-2.8	56	51	NO	NO	NO
12	12_0098		Residential	G	N	54	49	51	46	54	50	51	47	-2.7	-3.1	-3	-3.4	56	51	NO	NO	NO
12	12_0099		Residential	G	W	53	49	51	46	54	49	51	47	-2.1	-2.4	-2.4	-2.8	56	51	NO	NO	NO
12	12_0099		Residential	1	W	58	54	56	51	59	55	56	51	-2.8	-3.2	-3.1	-3.4	56	51	NO	NO	NO
12	12_0100		Residential	G	W	54	50	51	47	54	50	52	47	-2.6	-3	-2.8	-3.1	55	50	NO	NO	NO
12	12_0100		Residential	1	W	58	54	55	51	59	54	56	51	-2.9	-3.2	-3.1	-3.4	55	50	NO	NO	NO
12	12_0101		Residential	G	W	54	50	50	46	54	50	51	46	-3.3	-3.6	-3.5	-3.9	56	51	NO	NO	NO
12	12_0102		Residential	G	W	54	50	51	47	55	51	52	47	-2.9	-3.2	-3.1	-3.4	55	50	NO	NO	NO
12	12_0103		Residential	G	N	54	50	52	47	55	51	52	48	-2.6	-3	-2.9	-3.2	55	50	NO	NO	NO
12	12_0104		Residential	G	N	53	49	50	46	54	50	51	46	-2.6	-3	-2.9	-3.2	55	50	NO	NO	NO
12	12_0105		Residential	G	W	53	49	50	45	54	50	50	46	-3.5	-3.9	-3.6	-4	55	50	NO	NO	NO
12	12_0106		Residential	G	W	54	50	51	46	55	50	51	47	-3.3	-3.7	-3.5	-3.9	55	50	NO	NO	NO
12	12_0107		Residential	G	N	56	52	54	49	57	52	54	50	-2.1	-2.5	-2.4	-2.7	56	51	NO	NO	NO
12	12_0108		Residential	G	N	56	51	53	49	56	52	54	49	-2.1	-2.3	-2.3	-2.6	56	51	NO	NO	NO
12	12_0109		Residential	G	N	56	51	54	49	56	52	54	50	-2.1	-2.4	-2.4	-2.7	56	51	NO	NO	NO
12	12_0110		Residential	G	N	56	51	53	49	56	52	54	49	-2.1	-2.4	-2.4	-2.7	56	51	NO	NO	NO
12	12_0111		Residential	G	W	55	51	52	48	56	52	53	48	-2.8	-3.2	-3.1	-3.4	56	51	NO	NO	NO
12	12_0112		Residential	G	W	54	50	52	48	55	51	53	48	-2	-2.3	-2.2	-2.5	56	51	NO	NO	NO
12	12_0113		Residential	G	W	55	51	53	48	56	52	53	49	-2.5	-2.9	-2.8	-3.1	56	51	NO	NO	NO
12	12_0114		Residential	G	W	54	49	51	47	54	50	52	47	-2.3	-2.6	-2.5	-2.8	56	51	NO	NO	NO
12	12_0115		Residential	G	W	55	51	53	48	56	51	53	49	-2.3	-2.7	-2.5	-2.8	56	51	NO	NO	NO
12	12_0116		Residential	G	W	54	50	52	47	55	51	52	48	-2.3	-2.6	-2.6	-3	56	51	NO	NO	NO
12	12_0117		Residential	G	W	54	50	52	47	55	51	52	48	-2.4	-2.7	-2.6	-3	56	51	NO	NO	NO
12	12_0118		Residential	G	N	54	50	52	47	55	50	52	48	-2.4	-2.7	-2.6	-2.9	56	51	NO	NO	NO
12	12_0119		Residential	G	N	54	50	52	47	55	51	52	48	-2.6	-2.9	-2.8	-3.1	56	51	NO	NO	NO
12	12_0120		Residential	G	N	54	49	51	47	54	50	52	47	-2.1	-2.4	-2.3	-2.6	56	51	NO	NO	NO
12	12_0121		Residential	G	W	56	52	53	49	57	53	54	49	-2.8	-3.2	-3	-3.4	55	50	NO	NO	NO
12	12_0122		Residential	G	W	55	51	53	48	56	52	53	49	-2.5	-2.9	-2.7	-3	55	50	NO	NO	NO
12	12_0122		Residential	1	W	58	54	56	51	58	54	56	52	-2.1	-2.6	-2.3	-2.7	55	50	NO	NO	NO
12	12_0123		Residential	G	W	54	50	52	47	55	51	52	48	-2.5	-2.9	-2.7	-3.1	55	50	NO	NO	NO
12	12_0124		Residential	G	NW	54	49	51	46	54	50	51	47	-2.7	-3	-2.8	-3.3	55	50	NO	NO	NO
12	12_0125		Residential	G	SW	54	50	50	46	54	50	51	46	-3.4	-3.8	-3.6	-3.9	55	50	NO	NO	NO
12	12_0125		Residential	1	SW	57	53	54	49	58	53	54	50	-3.1	-3.6	-3.3	-3.7	55	50	NO	NO	NO
12	12_0126		Residential	G	W	54	50	52	47	55	51	52	48	-2.5	-3	-2.8	-3.2	55	50	NO	NO	NO
12	12_0127		Residential	G	S	52	48	49	45	53	49	50	45	-3.2	-3.6	-3.4	-3.7	55	50	NO	NO	NO
12	12_0128		Residential	G	W	51	47	48	44	52	48	49	44	-2.9	-3.3	-3.1	-3.5	55	50	NO	NO	NO
12	12_0129		Residential	G	W	52	48	49	44	52	48	49	45	-3	-3.5	-3.2	-3.6	55	50	NO	NO	NO
12	12_0129		Residential	1	W	55	51	52	48	56	52	53	48	-3	-3.4	-3.2	-3.6	55	50	NO	NO	NO
12	12_0130		Residential	G	W	52	48	49	44	52	48	49	45	-2.8	-3.2	-2.9	-3.4	55	50	NO	NO	NO
12	12_0131		Residential	G	W	53	49	50	45	53	49	50	46	-2.9	-3.3	-3	-3.4	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0131		Residential	1	W	55	51	52	48	56	52	53	48	-2.6	-3	-2.7	-3.1	55	50	NO	NO	NO
12	12_0132		Residential	G	W	53	49	50	46	54	50	51	46	-3	-3.3	-3.1	-3.5	55	50	NO	NO	NO
12	12_0133		Residential	G	W	53	48	50	45	53	49	50	46	-3	-3.3	-3.1	-3.5	55	50	NO	NO	NO
12	12_0133		Residential	1	W	55	51	52	48	56	52	53	48	-2.9	-3.3	-3	-3.4	55	50	NO	NO	NO
12	12_0134		Residential	G	W	52	48	51	46	53	49	51	47	-1.7	-2.3	-1.8	-2.3	55	50	NO	NO	NO
12	12_0134		Residential	1	W	55	51	53	49	56	52	54	49	-2.2	-2.7	-2.3	-2.8	55	50	NO	NO	NO
12	12_0135		Residential	G	W	54	50	51	47	54	50	52	47	-2.4	-2.9	-2.5	-3	55	50	NO	NO	NO
12	12_0135		Residential	1	W	56	52	54	49	57	53	54	50	-2.6	-3	-2.6	-3	55	50	NO	NO	NO
12	12_0136		Residential	G	N	62	58	58	54	63	58	58	54	-4	-4.2	-4.2	-4.4	58	53	NO	NO	NO
12	12_0137		Residential	G	SW	61	56	56	52	61	57	57	52	-4.5	-4.7	-4.8	-5	58	53	NO	NO	NO
12	12_0138		Residential	G	SW	60	56	56	52	61	57	56	52	-4.3	-4.6	-4.6	-4.9	58	53	NO	NO	NO
12	12_0139		Residential	G	SW	60	56	55	51	60	56	56	51	-4.3	-4.6	-4.6	-4.9	58	53	NO	NO	NO
12	12_0140		Residential	G	SW	59	55	55	50	59	55	55	51	-4	-4.4	-4.4	-4.6	58	53	NO	NO	NO
12	12_0141		Residential	G	N	59	55	55	51	60	56	56	51	-3.8	-4.1	-4	-4.2	57	52	NO	NO	NO
12	12_0142		Residential	G	N	59	55	56	51	60	56	56	52	-3.7	-3.9	-3.9	-4.1	57	52	NO	NO	NO
12	12_0143		Residential	G	NW	59	55	55	51	60	56	56	51	-3.9	-4.3	-4.2	-4.4	57	52	NO	NO	NO
12	12_0144		Residential	G	W	60	56	56	52	61	56	57	52	-3.8	-4.1	-4.1	-4.4	57	52	NO	NO	NO
12	12_0145		Residential	G	N	59	55	56	51	60	56	56	52	-3.3	-3.6	-3.5	-3.8	57	52	NO	NO	NO
12	12_0146		Residential	G	N	59	55	56	51	60	55	56	51	-3.3	-3.6	-3.6	-3.8	56	51	NO	NO	NO
12	12_0147		Residential	G	N	58	54	55	50	59	54	55	51	-3	-3.3	-3.2	-3.5	55	50	NO	NO	NO
12	12_0148		Residential	G	N	57	52	53	49	57	53	54	49	-3.2	-3.5	-3.5	-3.7	55	50	NO	NO	NO
12	12_0149		Residential	G	W	59	55	56	51	60	56	56	52	-3.6	-3.9	-3.9	-4.1	58	53	NO	NO	NO
12	12_0150		Residential	G	N	59	54	56	51	59	55	56	52	-3	-3.3	-3.3	-3.6	58	53	NO	NO	NO
12	12_0151		Residential	G	W	59	55	56	51	60	56	56	52	-3.5	-3.8	-3.7	-4	57	52	NO	NO	NO
12	12_0152		Residential	G	W	59	55	55	51	60	55	56	51	-3.4	-3.6	-3.6	-3.9	57	52	NO	NO	NO
12	12_0153		Residential	G	N	59	54	56	51	59	55	56	51	-3	-3.2	-3.2	-3.5	58	53	NO	NO	NO
12	12_0154		Residential	G	N	58	54	55	51	59	55	56	51	-3	-3.3	-3.1	-3.4	58	53	NO	NO	NO
12	12_0155		Residential	G	W	59	55	56	51	60	56	56	52	-3.5	-3.9	-3.8	-4	57	52	NO	NO	NO
12	12_0156		Residential	G	W	60	55	56	51	60	56	56	52	-4	-4.2	-4.3	-4.6	58	53	NO	NO	NO
12	12_0156		Residential	1	W	61	57	57	52	62	57	57	53	-4	-4.4	-4.3	-4.6	58	53	NO	NO	NO
12	12_0157		Residential	G	W	60	56	56	52	61	57	57	52	-3.8	-4.1	-4.1	-4.4	58	53	NO	NO	NO
12	12_0157		Residential	1	W	61	57	58	53	62	58	58	53	-3.9	-4.2	-4.2	-4.5	58	53	NO	NO	NO
12	12_0158		Residential	G	W	58	54	55	51	59	55	55	51	-3.2	-3.6	-3.5	-3.7	57	52	NO	NO	NO
12	12_0158		Residential	1	W	60	56	56	52	61	56	57	52	-3.5	-3.9	-3.8	-4	57	52	NO	NO	NO
12	12_0159		Residential	G	N	56	52	54	49	57	53	54	50	-2.4	-2.6	-2.6	-2.9	56	51	NO	NO	NO
12	12_0159		Residential	1	N	58	54	55	51	58	54	56	51	-2.6	-2.9	-2.8	-3.1	56	51	NO	NO	NO
12	12_0160		Residential	G	N	55	51	53	49	56	52	54	49	-2	-2.3	-2.3	-2.6	57	52	NO	NO	NO
12	12_0161		Residential	G	N	54	50	53	48	55	51	53	49	-1.8	-2.1	-2.1	-2.4	57	52	NO	NO	NO
12	12_0162		Residential	G	N	55	51	53	48	56	51	53	49	-1.9	-2.2	-2.2	-2.5	57	52	NO	NO	NO
12	12_0163		Residential	G	N	54	50	52	48	55	51	53	48	-1.6	-1.9	-1.9	-2.2	57	52	NO	NO	NO
12	12_0164		Residential	G	N	54	50	52	48	55	51	53	48	-1.6	-1.9	-2	-2.3	57	52	NO	NO	NO
12	12_0165		Residential	G	N	54	50	52	48	55	51	53	48	-1.6	-1.8	-1.9	-2.2	57	52	NO	NO	NO
12	12_0166		Residential	G	N	54	50	52	48	55	51	53	48	-1.5	-1.8	-1.9	-2.2	57	52	NO	NO	NO
12	12_0167		Residential	G	N	52	48	51	46	53	49	51	47	-1.6	-1.8	-1.8	-2.1	57	52	NO	NO	NO
12	12_0168		Residential	G	W	53	49	51	47	54	50	52	47	-1.8	-2.1	-2	-2.3	57	52	NO	NO	NO
12	12_0169		Residential	G	W	53	49	51	47	54	50	52	47	-2	-2.3	-2.2	-2.5	57	52	NO	NO	NO
12	12_0170		Residential	G	W	52	48	50	46	53	49	51	46	-1.9	-2.3	-2.1	-2.4	57	52	NO	NO	NO
12	12_0171		Residential	G	N	52	48	50	46	53	49	51	46	-1.8	-2.2	-2.1	-2.5	56	51	NO	NO	NO
12	12_0172		Residential	G	S	53	49	50	45	53	49	50	46	-2.9	-3.3	-3	-3.4	56	51	NO	NO	NO
12	12_0173		Residential	G	S	53	48	50	45	53	49	50	46	-2.8	-3.3	-3	-3.4	56	51	NO	NO	NO
12	12_0174		Residential	G	W	53	49	50	46	54	49	51	46	-2.4	-2.7	-2.6	-2.9	56	51	NO	NO	NO
12	12_0175		Residential	G	W	56	52	54	49	57	53	54	50	-2.2	-2.5	-2.4	-2.8	56	51	NO	NO	NO
12	12_0176		Residential	G	N	55	50	53	48	55	51	53	49	-1.6	-2	-1.9	-2.2	57	52	NO	NO	NO
12	12_0177		Residential	G	W	54	50	52	47	55	51	52	48	-2	-2.4	-2.3	-2.6	57	52	NO	NO	NO
12	12_0178		Residential	G	W	56	52	54	49	57	52	54	50	-2.2	-2.5	-2.4	-2.7	56	51	NO	NO	NO
12	12_0179		Residential	G	W	56	52	54	49	56	52	54	50	-2.2	-2.6	-2.4	-2.8	56	51	NO	NO	NO
12	12_0180		Residential	G	S	53	49	50	46	54	50	51	46	-3	-3.4	-3.2	-3.5	56	51	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0181		Residential	G	W	55	51	53	49	56	52	54	49	-2.1	-2.6	-2.5	-2.8	56	51	NO	NO	NO
12	12_0182		Residential	G	S	53	49	50	46	54	49	51	46	-2.8	-3.2	-3	-3.3	56	51	NO	NO	NO
12	12_0183		Residential	G	W	56	52	53	49	57	52	54	49	-2.5	-2.9	-2.7	-3	56	51	NO	NO	NO
12	12_0184		Residential	G	S	52	48	48	44	52	48	49	44	-3.3	-3.7	-3.4	-3.8	56	51	NO	NO	NO
12	12_0185		Residential	G	S	52	48	49	45	53	49	50	45	-3.1	-3.5	-3.2	-3.7	56	51	NO	NO	NO
12	12_0186		Residential	G	S	53	49	50	45	53	49	50	46	-3.1	-3.5	-3.2	-3.7	56	51	NO	NO	NO
12	12_0187		Residential	G	W	54	50	52	47	55	51	52	48	-2.5	-2.8	-2.7	-3	56	51	NO	NO	NO
12	12_0188		Residential	G	N	53	49	50	45	53	49	50	46	-2.7	-3.1	-3	-3.4	56	51	NO	NO	NO
12	12_0189		Residential	G	N	53	48	50	45	53	49	51	46	-2.7	-3	-2.9	-3.3	56	51	NO	NO	NO
12	12_0190		Residential	G	W	53	49	51	46	54	50	51	47	-2.4	-2.8	-2.6	-2.9	56	51	NO	NO	NO
12	12_0191		Residential	G	W	52	48	50	45	53	49	50	46	-2.3	-2.7	-2.5	-2.8	56	51	NO	NO	NO
12	12_0192		Residential	G	W	53	49	51	46	53	49	51	47	-2.2	-2.5	-2.3	-2.7	56	51	NO	NO	NO
12	12_0193		Residential	G	W	53	49	50	46	54	49	51	46	-2.4	-2.8	-2.6	-3	55	50	NO	NO	NO
12	12_0193		Residential	1	W	56	51	53	49	56	52	54	49	-2.4	-2.7	-2.5	-3	55	50	NO	NO	NO
12	12_0194		Residential	G	W	53	49	50	46	53	49	51	46	-2.4	-2.8	-2.5	-2.9	55	50	NO	NO	NO
12	12_0195		Residential	G	W	53	49	50	46	54	49	51	46	-2.5	-2.9	-2.7	-3	55	50	NO	NO	NO
12	12_0196		Residential	G	W	53	49	51	46	54	50	51	47	-2.7	-3.1	-2.8	-3.3	55	50	NO	NO	NO
12	12_0197		Residential	G	W	53	49	51	46	54	50	51	47	-2.6	-3.1	-2.8	-3.2	55	50	NO	NO	NO
12	12_0197		Residential	1	W	56	52	54	49	57	53	54	50	-2.3	-2.9	-2.5	-3	55	50	NO	NO	NO
12	12_0198		Residential	G	W	53	49	51	47	54	50	52	47	-2.3	-2.8	-2.4	-2.9	55	50	NO	NO	NO
12	12_0199		Residential	G	W	54	50	52	47	55	51	52	48	-2.4	-2.9	-2.5	-2.9	55	50	NO	NO	NO
12	12_0200		Residential	G	S	54	49	51	46	54	50	51	46	-3	-3.4	-3.1	-3.6	55	50	NO	NO	NO
12	12_0201		Residential	G	S	53	49	50	46	54	50	51	46	-3	-3.5	-3.1	-3.5	55	50	NO	NO	NO
12	12_0202		Residential	G	S	53	49	50	46	54	50	51	46	-3.1	-3.5	-3.2	-3.5	55	50	NO	NO	NO
12	12_0203		Residential	G	W	53	49	51	46	54	50	51	47	-2.7	-3.1	-2.9	-3.2	55	50	NO	NO	NO
12	12_0204		Residential	G	W	53	49	51	47	54	50	52	47	-2.2	-2.6	-2.3	-2.7	55	50	NO	NO	NO
12	12_0204		Residential	1	W	56	52	54	49	57	53	54	50	-2.2	-2.7	-2.3	-2.8	55	50	NO	NO	NO
12	12_0205		Residential	G	W	53	49	51	46	54	50	51	47	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0206		Residential	G	W	53	49	50	46	54	50	51	46	-2.6	-3	-2.8	-3.2	55	50	NO	NO	NO
12	12_0207		Residential	G	W	53	49	50	46	54	50	51	46	-2.7	-3.1	-2.9	-3.2	55	50	NO	NO	NO
12	12_0208		Residential	G	W	53	49	51	46	54	50	51	47	-2.4	-2.8	-2.5	-3	55	50	NO	NO	NO
12	12_0208		Residential	1	W	56	52	53	49	56	52	54	49	-2.4	-2.8	-2.5	-2.9	55	50	NO	NO	NO
12	12_0209		Residential	G	W	54	50	52	47	55	51	52	48	-2.3	-2.7	-2.5	-2.9	56	51	NO	NO	NO
12	12_0210		Residential	G	N	53	49	51	46	54	50	51	47	-2.3	-2.6	-2.5	-2.9	56	51	NO	NO	NO
12	12_0211		Residential	G	N	53	49	51	46	54	50	52	47	-2.2	-2.5	-2.4	-2.7	56	51	NO	NO	NO
12	12_0212		Residential	G	N	53	49	51	47	54	50	52	47	-2	-2.4	-2.3	-2.6	56	51	NO	NO	NO
12	12_0213		Residential	G	W	54	50	52	47	55	51	52	48	-2.1	-2.6	-2.3	-2.7	56	51	NO	NO	NO
12	12_0214		Residential	G	W	53	49	51	46	54	49	51	47	-2	-2.4	-2.2	-2.5	56	51	NO	NO	NO
12	12_0215		Residential	G	W	54	50	52	47	55	50	52	48	-2.2	-2.6	-2.4	-2.7	56	51	NO	NO	NO
12	12_0215		Residential	1	W	56	52	54	49	57	53	54	50	-2.2	-2.6	-2.4	-2.7	56	51	NO	NO	NO
12	12_0216		Residential	G	W	53	49	51	47	53	49	52	47	-1.7	-2.1	-1.9	-2.2	56	51	NO	NO	NO
12	12_0217		Residential	G	W	54	50	51	47	54	50	52	47	-2.4	-2.9	-2.6	-3.1	55	50	NO	NO	NO
12	12_0218		Residential	G	W	53	49	50	46	54	49	51	46	-2.5	-2.9	-2.6	-3.1	55	50	NO	NO	NO
12	12_0219		Residential	G	W	54	50	52	47	55	51	52	48	-2.4	-2.8	-2.6	-2.9	55	50	NO	NO	NO
12	12_0220		Residential	G	W	53	49	51	46	54	50	51	47	-2.3	-2.7	-2.4	-2.9	55	50	NO	NO	NO
12	12_0221		Residential	G	W	55	50	52	48	55	51	53	48	-2.3	-2.6	-2.4	-2.8	55	50	NO	NO	NO
12	12_0222		Residential	G	W	53	49	51	47	54	50	52	47	-2.2	-2.6	-2.4	-2.7	55	50	NO	NO	NO
12	12_0223		Residential	G	W	54	50	52	47	55	51	52	48	-2.3	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0224		Residential	G	W	54	50	52	47	55	51	52	48	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0224		Residential	1	W	56	52	54	49	57	53	55	50	-2.2	-2.7	-2.4	-2.8	55	50	NO	NO	NO
12	12_0225		Residential	G	W	54	50	52	47	55	51	52	48	-2.6	-3	-2.7	-3.2	55	50	NO	NO	NO
12	12_0226		Residential	G	S	54	50	51	47	54	50	52	47	-2.4	-3	-2.5	-3	55	50	NO	NO	NO
12	12_0227		Residential	G	S	54	50	51	46	54	50	52	47	-2.7	-3.2	-2.8	-3.3	55	50	NO	NO	NO
12	12_0228		Residential	G	S	53	49	50	46	53	49	51	46	-2.7	-3.2	-2.7	-3.2	55	50	NO	NO	NO
12	12_0228		Residential	1	W	56	52	54	50	57	53	55	50	-2.2	-2.6	-2.3	-2.7	55	50	NO	NO	NO
12	12_0229		Residential	G	W	57	53	54	49	57	53	54	50	-2.7	-3.2	-2.8	-3.3	55	50	NO	NO	NO
12	12_0230		Residential	G	W	56	52	53	49	57	52	54	49	-2.5	-3	-2.6	-3.1	55	50	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
12	12_0231		Residential	G	S	55	51	53	48	56	52	53	49	-2.6	-3.2	-2.7	-3.2	55	50	NO	NO	NO
12	12_0232		Residential	G	S	55	51	53	48	56	52	53	48	-2.5	-3	-2.6	-3.1	55	50	NO	NO	NO
12	12_0233		Residential	G	S	55	51	52	48	55	51	53	48	-2.6	-3.1	-2.6	-3.2	55	50	NO	NO	NO
12	12_0234		Residential	G	S	55	51	52	47	55	51	53	48	-2.5	-3.1	-2.6	-3.1	55	50	NO	NO	NO
12	12_0235		Residential	G	W	55	51	53	48	56	52	53	49	-2.1	-2.6	-2.3	-2.8	55	50	NO	NO	NO
12	12_0236		Residential	G	S	54	50	52	47	55	50	52	48	-2.3	-2.9	-2.4	-2.9	55	50	NO	NO	NO
12	12_0237		Residential	G	W	53	49	52	47	54	50	52	48	-1.8	-2.3	-1.9	-2.4	55	50	NO	NO	NO
12	12_0238		Residential	G	S	54	49	51	47	54	50	52	47	-2.1	-2.7	-2.2	-2.8	55	50	NO	NO	NO
12	12_0239		Residential	G	S	53	49	51	47	54	50	52	47	-2	-2.7	-2.1	-2.7	55	50	NO	NO	NO
12	12_0240		Residential	G	W	54	50	52	48	55	51	53	48	-1.8	-2.3	-1.9	-2.4	55	50	NO	NO	NO
12	12_0241		Residential	G	W	59	55	56	51	60	55	56	52	-3.3	-3.8	-3.4	-3.9	55	50	NO	NO	NO
12	12_0242		Residential	G	W	60	56	57	52	60	56	57	52	-3.1	-3.6	-3.2	-3.7	55	50	NO	NO	NO
12	12_0243		Residential	G	W	64	60	58	54	65	60	59	54	-5.9	-5.9	-6	-6.1	55	50	NO	NO	NO
12	12_0243		Residential	1	W	68	64	62	58	68	64	63	58	-5.6	-5.8	-5.8	-5.9	55	50	NO	NO	NO
12	12_0244		Residential	G	W	64	60	59	54	65	61	59	55	-5.8	-5.9	-6	-6.1	55	50	NO	NO	NO
12	12_0244		Residential	1	W	68	64	63	58	69	65	63	59	-5.6	-5.8	-5.8	-5.9	55	50	NO	NO	NO
12	12_0245		Residential	G	W	65	61	59	55	65	61	59	55	-5.8	-6	-6	-6	55	50	NO	NO	NO
12	12_0245		Residential	1	W	69	65	63	59	69	65	63	59	-5.7	-5.8	-5.8	-6	55	50	NO	NO	NO
12	12_0246		Residential	G	W	70	66	67	62	71	66	67	63	-3.3	-3.5	-3.5	-3.7	60	55	YES	YES	YES
13	13_0001		Residential	G	SE	53	49	55	50	54	50	55	51	1.6	0.7	1.6	0.8	55	50	NO	NO	YES
13	13_0002		Residential	G	E	54	50	55	51	55	51	56	51	1.4	0.6	1.4	0.6	55	50	NO	NO	YES
13	13_0003		Residential	G	E	58	53	59	54	58	54	60	55	1.5	0.7	1.6	0.7	55	50	NO	NO	YES
13	13_0003		Residential	1	E	59	55	60	55	60	56	61	56	1.3	0.5	1.4	0.5	55	50	NO	NO	YES
13	13_0004		Residential	G	E	59	55	60	55	59	55	61	56	1.5	0.7	1.6	0.7	55	50	NO	NO	YES
13	13_0004		Residential	1	E	59	55	61	56	60	56	61	57	1.5	0.7	1.6	0.8	55	50	NO	NO	YES
13	13_0005		Residential	G	E	62	58	64	59	63	59	65	60	2.2	1.4	2.3	1.5	55	50	NO	NO	YES
13	13_0006		Residential	G	SE	63	59	67	62	63	59	67	62	3.7	2.7	3.7	2.8	55	50	YES	YES	YES
13	13_0007		Residential	G	E	61	57	65	60	62	58	66	61	3.8	3	3.9	3.1	55	50	YES	YES	YES
13	13_0008		Residential	G	E	59	54	61	56	59	55	62	57	2.4	1.6	2.5	1.7	55	50	NO	NO	YES
13	13_0009		Residential	G	E	54	50	57	52	55	51	58	53	2.8	2	2.8	2	55	50	NO	NO	YES
13	13_0010		Residential	G	SE	59	55	60	55	59	55	60	55	0.8	0.1	0.9	0.1	55	50	NO	NO	YES
13	13_0011		Residential	G	E	57	53	58	53	57	53	58	53	0.9	0	0.9	0	55	50	NO	NO	YES
13	13_0012		Residential	G	E	56	51	56	51	56	52	57	52	0.5	-0.2	0.5	-0.2	55	50	NO	NO	YES
13	13_0013		Residential	G	SE	57	53	58	53	58	54	58	53	0.6	0	0.5	-0.1	55	50	NO	NO	YES
13	13_0014		Residential	G	SE	58	54	59	54	58	54	59	54	0.8	0.1	0.7	0	55	50	NO	NO	YES
13	13_0015		Residential	G	SE	58	54	60	55	58	54	61	56	2.3	1.5	2.4	1.6	55	50	NO	NO	YES
13	13_0016		Residential	G	E	59	55	61	56	59	55	61	57	2.1	1.4	2	1.3	55	50	NO	NO	YES
13	13_0016		Residential	1	E	59	55	62	57	60	56	63	58	2.6	1.8	2.4	1.6	55	50	NO	NO	YES
13	13_0017		Residential	G	E	59	55	65	60	59	55	65	60	6.1	5.2	6.2	5.2	55	50	YES	YES	YES
13	13_0018		Residential	G	E	58	54	58	53	59	55	59	54	0	-0.6	-0.3	-1	55	50	NO	NO	YES
13	13_0019		Residential	G	E	58	54	57	53	59	55	58	53	-0.8	-1.2	-1.2	-1.7	55	50	NO	NO	NO
13	13_0020		Residential	G	E	58	54	58	53	59	55	59	54	0.1	-0.5	-0.2	-0.8	55	50	NO	NO	YES
13	13_0021		Residential	G	E	57	53	57	52	58	54	57	53	-0.6	-1.1	-1.1	-1.6	55	50	NO	NO	NO
13	13_0022		Residential	G	E	58	54	57	52	59	55	57	52	-1.2	-1.8	-1.7	-2.3	55	50	NO	NO	NO
13	13_0023		Residential	G	E	58	54	56	52	59	55	57	53	-1.3	-1.8	-1.8	-2.3	55	50	NO	NO	NO
13	13_0024		Residential	G	E	58	53	56	52	59	55	57	53	-1.3	-1.8	-2	-2.4	55	50	NO	NO	NO
13	13_0025		Residential	G	N	57	53	54	50	60	56	56	51	-2.7	-3.1	-4.3	-4.6	57	52	NO	NO	NO
13	13_0026		Residential	G	E	58	54	57	52	60	56	58	53	-1.3	-1.7	-2.2	-2.5	56	51	NO	NO	NO
13	13_0027		Residential	G	N	62	58	58	53	67	63	60	56	-4.8	-5	-6.3	-6.3	58	53	NO	NO	NO
13	13_0028		Residential	G	E	58	54	58	53	59	55	58	54	-0.2	-0.7	-0.6	-1.1	55	50	NO	NO	YES
13	13_0029		Residential	G	E	57	53	56	52	59	54	57	52	-0.9	-1.4	-1.5	-2	56	51	NO	NO	NO
13	13_0030		Residential	G	NE	57	53	56	51	58	54	57	52	-1	-1.6	-1.6	-2.2	55	50	NO	NO	NO
13	13_0031		Residential	G	NW	61	57	56	52	65	62	59	55	-5.2	-5.4	-6.4	-6.4	58	53	NO	NO	NO
13	13_0032		Residential	G	E	59	55	61	56	60	55	61	57	2.1	1.4	1.8	1.1	55	50	NO	NO	YES
14	14_0001		Residential	G	E	58	54	58	54	60	55	59	54	0.2	0.1	-0.5	-0.6	60	55	NO	NO	NO
14	14_0002		Residential	G	SE	65	61	65	61	66	62	66	62	0.7	0.4	0.3	0.1	60	55	YES	YES	YES
15	15_0001		Residential	G	E	62	57	60	56	63	58	61	57	-1.3	-1.1	-1.6	-1.6	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0002		Residential	G	SE	67	63	66	61	68	64	66	62	-1.8	-2	-1.6	-2	60	55	YES	YES	YES
15	15_0002		Residential	1	SE	68	64	67	63	69	65	68	63	-1	-1.1	-0.8	-1.1	60	55	YES	YES	YES
15	15_0003		Residential	G	SW	64	60	64	59	65	60	65	60	-0.3	-0.8	-0.2	-0.4	60	55	YES	YES	YES
15	15_0004		Residential	G	SW	66	61	65	60	67	61	66	61	-0.3	-1.2	-0.2	-0.3	60	55	YES	YES	YES
15	15_0004		Residential	1	SW	68	64	68	62	69	64	69	63	-0.6	-1.6	-0.5	-0.5	60	55	YES	YES	YES
15	15_0005		Residential	G	SE	70	66	63	59	70	66	64	60	-6.6	-6.7	-6.4	-6.7	60	55	NO	YES	YES
15	15_0005		Residential	1	SE	70	66	68	64	71	67	68	64	-2.8	-2.8	-2.6	-2.9	60	55	YES	YES	YES
15	15_0006		Residential	G	SW	66	62	63	59	66	62	64	60	-2.6	-2.6	-2.3	-2.7	60	55	NO	YES	YES
15	15_0006		Residential	1	SW	66	62	65	61	67	63	66	62	-1.2	-1.2	-1.1	-1.3	60	55	YES	YES	YES
15	15_0007		Residential	G	SE	66	62	66	62	67	63	66	62	-0.7	-0.7	-0.7	-0.9	60	55	YES	YES	YES
15	15_0008		Residential	G	E	66	62	65	61	67	63	65	61	-1.7	-1.7	-1.6	-1.8	60	55	YES	YES	YES
15	15_0009		Residential	G	SE	66	62	63	59	67	63	64	60	-3.1	-3.1	-2.9	-3.3	60	55	NO	YES	YES
15	15_0009		Residential	1	SE	68	64	67	63	69	65	68	64	-1	-0.9	-0.9	-1.1	60	55	YES	YES	YES
15	15_0010		Residential	G	SE	68	64	65	61	68	64	66	62	-2.6	-2.5	-2.4	-2.7	60	55	YES	YES	YES
15	15_0010		Residential	1	SE	69	65	68	64	69	65	68	64	-0.9	-0.7	-0.7	-0.8	60	55	YES	YES	YES
15	15_0011		Residential	G	SE	69	65	66	62	69	65	67	63	-2.4	-2.2	-2.2	-2.5	60	55	YES	YES	YES
15	15_0011		Residential	1	SE	69	65	68	64	69	66	69	65	-0.8	-0.6	-0.6	-0.8	60	55	YES	YES	YES
15	15_0012		Residential	G	SE	69	65	66	62	69	66	67	63	-2.8	-2.7	-2.5	-2.8	60	55	YES	YES	YES
15	15_0013		Residential	G	S	69	65	66	62	69	66	66	62	-3.1	-3.1	-3	-3.2	60	55	YES	YES	YES
15	15_0014		Residential	G	S	68	64	67	63	69	65	67	63	-1.8	-1.8	-1.6	-1.9	60	55	YES	YES	YES
15	15_0015		Residential	G	E	66	62	60	56	66	62	61	56	-5.8	-5.8	-5.6	-6	60	55	NO	NO	YES
15	15_0015		Residential	1	S	68	64	66	62	68	65	67	63	-1.7	-1.7	-1.7	-1.9	60	55	YES	YES	YES
15	15_0016		Residential	G	E	65	61	60	56	65	62	60	57	-5.1	-4.9	-5	-5.1	60	55	NO	NO	YES
15	15_0016		Residential	1	E	67	63	64	60	67	64	64	60	-3.3	-3.2	-3.2	-3.4	60	55	NO	YES	YES
15	15_0017		Residential	G	S	64	60	57	53	64	60	58	54	-6.5	-6.4	-6.3	-6.6	60	55	NO	NO	NO
15	15_0017		Residential	1	E	67	63	63	59	67	63	63	59	-3.9	-3.8	-3.9	-4	60	55	NO	NO	YES
15	15_0018		Residential	G	SW	66	61	65	60	67	61	67	61	-0.4	-1.4	-0.2	-0.3	60	55	YES	YES	YES
15	15_0018		Residential	1	SW	68	63	67	62	69	63	68	63	-0.7	-1.8	-0.5	-0.5	60	55	YES	YES	YES
15	15_0019		Residential	G	SW	68	63	67	61	69	63	68	62	-0.8	-2.1	-0.7	-0.6	60	55	YES	YES	YES
15	15_0020		Residential	G	SW	67	62	66	60	68	62	67	61	-0.8	-2.1	-0.6	-0.6	60	55	YES	YES	YES
15	15_0021		Residential	G	S	60	55	59	55	60	56	60	55	-0.6	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0022		Residential	G	SW	58	53	57	51	59	53	58	52	-0.6	-1.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0022		Residential	1	SW	60	56	59	54	61	55	60	55	-0.6	-1.4	-0.4	-0.4	60	55	NO	NO	NO
15	15_0023		Residential	G	W	56	52	55	50	57	52	57	51	-0.8	-2	-0.5	-0.7	60	55	NO	NO	NO
15	15_0023		Residential	1	W	59	55	58	53	60	55	59	54	-0.8	-1.9	-0.6	-0.7	60	55	NO	NO	NO
15	15_0024		Residential	G	W	55	51	55	50	56	51	56	51	-0.3	-1.5	-0.2	-0.2	60	55	NO	NO	NO
15	15_0024		Residential	1	W	59	54	58	53	60	54	59	54	-0.6	-1.7	-0.5	-0.5	60	55	NO	NO	NO
15	15_0025		Residential	G	SW	62	57	61	57	62	58	62	57	-0.5	-0.4	-0.5	-0.6	60	55	NO	NO	NO
15	15_0025		Residential	1	SE	64	60	64	60	65	61	64	60	-0.3	-0.2	-0.3	-0.4	60	55	NO	YES	YES
15	15_0026		Residential	G	SE	59	54	58	54	59	55	59	55	-0.2	-0.1	-0.3	-0.3	60	55	NO	NO	NO
15	15_0026		Residential	1	SE	63	58	62	58	63	59	63	59	-0.5	-0.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0027		Residential	G	SE	60	56	59	55	61	57	60	56	-1.2	-1	-1.2	-1.2	60	55	NO	NO	NO
15	15_0027		Residential	1	SE	63	59	62	58	63	59	62	58	-0.9	-0.8	-0.9	-1.1	60	55	NO	NO	NO
15	15_0028		Residential	G	SE	60	56	60	55	60	56	60	56	-0.2	-0.2	-0.1	-0.4	60	55	NO	NO	NO
15	15_0028		Residential	1	SE	63	59	62	58	63	59	63	59	-0.6	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0029		Residential	G	S	60	56	60	56	61	57	60	56	-0.3	-0.2	-0.3	-0.4	60	55	NO	NO	NO
15	15_0029		Residential	1	S	64	59	63	59	64	60	64	60	-0.3	-0.3	-0.4	-0.5	60	55	NO	YES	YES
15	15_0030		Residential	G	E	59	55	59	55	59	55	59	55	0.1	0.1	0.1	-0.1	60	55	NO	NO	NO
15	15_0031		Residential	G	S	58	53	58	53	58	54	58	54	-0.1	-0.1	-0.1	-0.2	60	55	NO	NO	NO
15	15_0032		Residential	G	SW	54	50	54	49	54	50	54	50	-0.2	-0.3	-0.2	-0.2	60	55	NO	NO	NO
15	15_0032		Residential	1	SW	59	55	59	55	60	56	59	55	-0.5	-0.4	-0.5	-0.6	60	55	NO	NO	NO
15	15_0033		Residential	G	SW	50	46	50	46	51	46	50	46	-0.2	-0.2	-0.1	-0.2	60	55	NO	NO	NO
15	15_0033		Residential	1	SW	54	50	54	50	55	50	55	50	-0.2	-0.2	-0.2	-0.3	60	55	NO	NO	NO
15	15_0034		Residential	G	NW	50	45	49	44	51	45	50	45	-0.4	-1.2	-0.2	-0.3	60	55	NO	NO	NO
15	15_0034		Residential	1	SW	53	48	53	48	53	49	53	49	0	-0.1	-0.1	-0.1	60	55	NO	NO	NO
15	15_0035		Residential	G	SW	53	49	53	48	54	49	54	49	-0.3	-0.8	-0.2	-0.3	60	55	NO	NO	NO
15	15_0035		Residential	1	SW	58	53	57	53	58	54	58	53	-0.4	-0.6	-0.4	-0.4	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0036		Residential	G	SW	53	49	53	49	54	49	54	49	0	-0.1	0	-0.1	60	55	NO	NO	NO
15	15_0036		Residential	1	SW	56	52	57	52	57	53	57	53	0.1	-0.1	0.1	0	60	55	NO	NO	NO
15	15_0037		Residential	G	SE	55	51	55	50	56	51	55	51	-0.4	-0.4	-0.4	-0.4	60	55	NO	NO	NO
15	15_0037		Residential	1	SW	59	55	59	54	60	55	60	55	-0.4	-0.9	-0.3	-0.4	60	55	NO	NO	NO
15	15_0038		Residential	G	E	52	48	52	48	53	49	53	48	-0.4	-0.4	-0.4	-0.5	60	55	NO	NO	NO
15	15_0038		Residential	1	SW	57	53	57	53	58	54	58	53	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0039		Residential	G	SE	51	47	51	46	52	47	51	47	-0.3	-0.4	-0.2	-0.3	60	55	NO	NO	NO
15	15_0039		Residential	1	SW	54	49	53	49	54	50	54	49	-0.4	-0.5	-0.4	-0.5	60	55	NO	NO	NO
15	15_0040		Residential	G	SW	53	49	53	48	54	49	54	49	-0.4	-0.6	-0.3	-0.3	60	55	NO	NO	NO
15	15_0040		Residential	1	SW	57	53	57	52	58	54	58	53	-0.5	-0.7	-0.5	-0.6	60	55	NO	NO	NO
15	15_0041		Residential	G	SW	53	49	53	49	53	49	54	49	0.2	0	0.2	0.1	60	55	NO	NO	NO
15	15_0041		Residential	1	SW	55	51	55	51	56	52	56	51	-0.2	-0.4	-0.2	-0.3	60	55	NO	NO	NO
15	15_0042		Residential	G	S	55	51	55	50	56	51	55	50	-0.4	-1	-0.4	-0.5	60	55	NO	NO	NO
15	15_0042		Residential	1	S	58	54	57	53	59	54	58	53	-0.8	-1.1	-0.7	-0.7	60	55	NO	NO	NO
15	15_0043		Residential	G	S	56	52	56	51	57	52	57	52	-0.5	-1.1	-0.4	-0.5	60	55	NO	NO	NO
15	15_0043		Residential	1	S	59	55	58	53	60	55	59	54	-0.8	-1.2	-0.7	-0.8	60	55	NO	NO	NO
15	15_0044		Residential	G	S	58	54	57	52	59	54	58	53	-1	-1.4	-0.9	-1	60	55	NO	NO	NO
15	15_0044		Residential	1	S	60	55	59	54	61	56	60	55	-0.8	-1.3	-0.8	-0.8	60	55	NO	NO	NO
15	15_0045		Residential	G	SW	58	54	57	53	59	54	58	53	-0.9	-1.2	-0.9	-0.9	60	55	NO	NO	NO
15	15_0045		Residential	1	SW	59	55	58	54	60	55	59	54	-0.8	-1.2	-0.8	-0.8	60	55	NO	NO	NO
15	15_0046		Residential	G	SW	58	53	57	52	58	54	57	53	-1	-1.2	-1	-0.9	60	55	NO	NO	NO
15	15_0046		Residential	1	SW	59	55	58	54	60	55	59	54	-0.8	-1.1	-0.8	-0.9	60	55	NO	NO	NO
15	15_0047		Residential	G	SW	59	55	58	54	60	55	59	55	-0.6	-0.5	-0.7	-0.7	60	55	NO	NO	NO
15	15_0047		Residential	1	SW	60	56	60	56	61	57	60	56	-0.7	-0.7	-0.8	-0.9	60	55	NO	NO	NO
15	15_0048		Residential	G	SW	57	53	57	53	58	54	57	53	-0.6	-0.4	-0.6	-0.6	60	55	NO	NO	NO
15	15_0048		Residential	1	SW	61	56	60	56	61	57	61	56	-0.6	-0.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0049		Residential	G	SW	53	49	53	48	54	49	53	49	-0.4	-0.5	-0.2	-0.4	60	55	NO	NO	NO
15	15_0049		Residential	1	SW	56	52	56	52	57	53	56	52	-0.4	-0.5	-0.4	-0.5	60	55	NO	NO	NO
15	15_0050		Residential	G	SW	51	47	51	46	52	48	51	47	-0.7	-0.8	-0.6	-0.7	60	55	NO	NO	NO
15	15_0050		Residential	1	SW	59	55	58	54	59	55	59	54	-0.6	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0051		Residential	G	SE	55	51	54	50	56	52	55	50	-1	-0.9	-1.1	-1.2	60	55	NO	NO	NO
15	15_0051		Residential	1	SW	60	56	59	55	60	56	60	55	-0.8	-0.8	-0.8	-0.9	60	55	NO	NO	NO
15	15_0052		Residential	G	SW	55	51	55	50	56	51	55	51	-0.4	-0.4	-0.4	-0.6	60	55	NO	NO	NO
15	15_0052		Residential	1	SW	59	55	58	54	60	56	59	55	-0.8	-0.8	-0.9	-1	60	55	NO	NO	NO
15	15_0053		Residential	G	SW	58	54	57	52	59	54	57	53	-1.5	-1.5	-1.5	-1.6	60	55	NO	NO	NO
15	15_0053		Residential	1	SW	62	57	60	56	62	58	60	56	-1.7	-1.6	-1.8	-1.9	60	55	NO	NO	NO
15	15_0054		Residential	G	SE	60	56	58	54	61	57	59	55	-2	-2	-2	-2.2	60	55	NO	NO	NO
15	15_0054		Residential	1	SW	63	59	61	57	64	60	61	57	-2.4	-2.4	-2.4	-2.6	60	55	NO	NO	YES
15	15_0055		Residential	G	S	65	60	60	56	65	61	60	56	-4.6	-4.6	-4.6	-4.8	60	55	NO	NO	YES
15	15_0055		Residential	1	S	66	62	62	58	67	63	62	58	-4.5	-4.4	-4.4	-4.6	60	55	NO	NO	YES
15	15_0056		Residential	G	NE	66	62	57	53	67	63	57	53	-9.2	-8.9	-9.3	-9.3	60	55	NO	NO	NO
15	15_0057		Residential	G	NE	65	60	57	53	65	61	58	54	-7.2	-7	-7.3	-7.4	60	55	NO	NO	NO
15	15_0058		Residential	G	NE	62	58	56	52	63	59	57	53	-6	-5.9	-6.2	-6.3	60	55	NO	NO	NO
15	15_0059		Residential	G	NE	61	57	56	51	62	58	56	52	-5.7	-5.5	-5.9	-5.9	60	55	NO	NO	NO
15	15_0060		Residential	G	NE	61	56	55	51	61	57	56	51	-5.6	-5.4	-5.7	-5.9	60	55	NO	NO	NO
15	15_0061		Residential	G	NE	60	55	55	51	60	56	55	51	-4.7	-4.6	-4.8	-5	60	55	NO	NO	NO
15	15_0062		Residential	G	NE	57	53	55	50	58	54	55	51	-2.6	-2.5	-2.8	-2.9	60	55	NO	NO	NO
15	15_0063		Residential	G	SE	62	57	56	52	62	58	56	52	-5.8	-5.6	-5.9	-6.1	60	55	NO	NO	NO
15	15_0064		Residential	G	SE	62	58	56	52	63	59	57	53	-6	-5.9	-6.2	-6.3	60	55	NO	NO	NO
15	15_0065		Residential	G	SE	65	61	58	54	66	62	58	54	-7.1	-6.9	-7.2	-7.3	60	55	NO	NO	NO
15	15_0066		Residential	G	SE	65	61	58	54	66	62	59	55	-6.9	-6.8	-7.2	-7.3	60	55	NO	NO	NO
15	15_0067		Residential	G	E	67	63	59	55	68	64	60	56	-7.8	-7.7	-7.9	-8.2	60	55	NO	NO	YES
15	15_0068		Residential	G	E	67	63	59	55	68	64	60	56	-7.8	-7.7	-8	-8.1	60	55	NO	NO	YES
15	15_0069		Residential	G	E	67	62	59	55	68	63	60	55	-7.6	-7.5	-7.8	-7.9	60	55	NO	NO	NO
15	15_0070		Residential	G	E	67	63	59	55	68	64	60	56	-7.9	-7.6	-8	-8.1	60	55	NO	NO	YES
15	15_0071		Residential	G	SE	65	60	59	54	66	61	59	55	-6.3	-6	-6.5	-6.5	60	55	NO	NO	NO
15	15_0072		Residential	G	NE	59	55	58	54	60	56	59	55	-1.1	-0.8	-1.2	-1.2	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0073		Residential	G	NE	61	57	59	55	62	58	60	56	-1.9	-1.7	-2.1	-2.2	60	55	NO	NO	NO
15	15_0074		Residential	G	W	58	54	58	54	59	55	59	55	0	0.1	-0.1	-0.1	60	55	NO	NO	NO
15	15_0075		Residential	G	E	68	63	61	57	69	64	61	57	-6.9	-6.6	-7.2	-7.1	60	55	NO	NO	YES
15	15_0076		Residential	G	E	66	61	59	54	67	62	59	55	-7	-6.7	-7.4	-7.3	60	55	NO	NO	NO
15	15_0076		Residential	1	E	68	64	62	58	69	65	63	58	-6.1	-5.8	-6.4	-6.3	60	55	NO	NO	YES
15	15_0077		Residential	G	E	66	62	59	54	67	63	59	55	-7.4	-7.2	-7.9	-7.8	60	55	NO	NO	NO
15	15_0078		Residential	G	E	67	62	60	56	67	63	61	56	-6.4	-6.1	-6.7	-6.7	60	55	NO	NO	YES
15	15_0078		Residential	1	E	69	65	63	59	70	66	63	59	-6.2	-5.9	-6.5	-6.4	60	55	NO	NO	YES
15	15_0079		Residential	G	E	66	62	60	56	67	63	61	57	-5.9	-5.7	-6.3	-6.2	60	55	NO	NO	YES
15	15_0080		Residential	G	E	64	59	58	54	64	60	58	54	-5.7	-5.5	-6	-6	60	55	NO	NO	NO
15	15_0080		Residential	1	E	66	62	61	56	67	63	61	57	-5.8	-5.5	-6.1	-6.1	60	55	NO	NO	YES
15	15_0081		Residential	G	E	65	60	59	55	65	61	60	55	-5.4	-5.2	-5.7	-5.8	60	55	NO	NO	NO
15	15_0082		Residential	G	E	64	60	59	54	65	61	59	55	-5.2	-5.1	-5.6	-5.7	60	55	NO	NO	NO
15	15_0083		Residential	G	N	63	59	58	54	64	60	59	55	-5	-4.9	-5.2	-5.4	60	55	NO	NO	NO
15	15_0084		Residential	G	E	64	59	59	54	64	60	59	55	-5	-4.9	-5.2	-5.4	60	55	NO	NO	NO
15	15_0085		Residential	G	E	63	59	58	54	64	60	59	54	-4.8	-4.6	-5	-5.1	60	55	NO	NO	NO
15	15_0086		Residential	G	E	64	59	59	54	64	60	59	55	-5.1	-4.9	-5.3	-5.4	60	55	NO	NO	NO
15	15_0087		Residential	G	N	64	59	61	57	64	60	61	57	-3	-2.7	-3	-3.1	60	55	NO	NO	YES
15	15_0088		Residential	G	E	65	61	62	58	66	62	63	59	-2.7	-2.5	-2.9	-2.9	60	55	NO	NO	YES
15	15_0088		Residential	1	E	69	65	65	61	70	66	66	62	-3.6	-3.4	-4	-3.9	60	55	NO	NO	YES
15	15_0089		Residential	G	NE	67	63	65	61	68	64	66	62	-1.9	-1.7	-2.2	-2.2	60	55	NO	NO	YES
15	15_0090		Residential	G	E	67	63	67	62	68	64	67	63	-0.7	-0.6	-1.1	-1.1	60	55	NO	NO	YES
15	15_0091		Residential	G	E	63	59	61	57	64	60	62	58	-1.9	-1.8	-2.2	-2.3	60	55	NO	NO	YES
15	15_0092		Residential	G	NE	62	57	59	55	63	59	60	55	-2.9	-2.7	-3.2	-3.3	60	55	NO	NO	NO
15	15_0093		Residential	G	NE	61	57	58	53	62	58	58	54	-3.7	-3.5	-4	-4	60	55	NO	NO	NO
15	15_0094		Residential	G	NE	61	57	57	53	62	58	58	53	-3.7	-3.6	-4	-4.1	60	55	NO	NO	NO
15	15_0095		Residential	G	E	60	56	56	52	61	57	57	53	-3.7	-3.6	-4	-4.1	60	55	NO	NO	NO
15	15_0096		Residential	G	E	59	55	56	51	60	56	56	52	-3.3	-3.2	-3.6	-3.7	60	55	NO	NO	NO
15	15_0097		Residential	G	E	60	56	57	52	61	57	57	53	-3.6	-3.5	-3.8	-4	60	55	NO	NO	NO
15	15_0098		Residential	G	E	59	55	56	52	60	56	57	53	-2.7	-2.5	-3	-3	60	55	NO	NO	NO
15	15_0099		Residential	G	E	59	55	57	53	60	56	58	53	-2.3	-2.1	-2.6	-2.6	60	55	NO	NO	NO
15	15_0100		Residential	G	E	59	55	57	53	60	56	58	54	-1.8	-1.6	-2	-2.1	60	55	NO	NO	NO
15	15_0101		Residential	G	E	59	55	58	54	60	56	58	54	-1.5	-1.4	-1.8	-1.8	60	55	NO	NO	NO
15	15_0102		Residential	G	E	59	55	58	54	60	56	59	54	-1.3	-1.2	-1.5	-1.7	60	55	NO	NO	NO
15	15_0103		Residential	G	NE	59	55	58	53	60	55	58	54	-1.2	-1.1	-1.4	-1.5	60	55	NO	NO	NO
15	15_0104		Residential	G	E	57	52	56	52	57	53	57	52	-0.6	-0.5	-0.8	-0.9	60	55	NO	NO	NO
15	15_0104		Residential	1	NE	60	55	59	54	60	56	59	55	-1.2	-1	-1.4	-1.4	60	55	NO	NO	NO
15	15_0105		Residential	G	NE	59	54	57	53	59	55	58	54	-1.4	-1.3	-1.5	-1.7	60	55	NO	NO	NO
15	15_0106		Residential	G	E	59	55	58	53	60	56	58	54	-1.4	-1.4	-1.6	-1.7	60	55	NO	NO	NO
15	15_0107		Residential	G	NE	60	55	58	54	60	56	58	54	-1.6	-1.5	-1.8	-1.9	60	55	NO	NO	NO
15	15_0108		Residential	G	NE	61	56	58	54	62	57	59	54	-2.7	-2.5	-2.9	-3	60	55	NO	NO	NO
15	15_0109		Residential	G	E	60	55	57	53	60	56	57	53	-2.7	-2.6	-2.9	-3.1	60	55	NO	NO	NO
15	15_0109		Residential	1	E	62	58	59	54	63	59	59	55	-3.4	-3.2	-3.6	-3.7	60	55	NO	NO	NO
15	15_0110		Residential	G	NE	60	55	56	52	60	56	57	53	-3.2	-3.2	-3.3	-3.6	60	55	NO	NO	NO
15	15_0110		Residential	1	NE	62	58	59	55	63	59	59	55	-3.4	-3.3	-3.6	-3.7	60	55	NO	NO	NO
15	15_0111		Residential	G	SE	58	54	56	51	59	55	56	52	-2.5	-2.4	-2.7	-2.8	60	55	NO	NO	NO
15	15_0111		Residential	1	SE	60	56	57	53	61	57	58	53	-3.2	-3	-3.3	-3.5	60	55	NO	NO	NO
15	15_0112		Residential	G	SE	58	54	56	51	59	55	56	52	-2.6	-2.5	-2.8	-2.9	60	55	NO	NO	NO
15	15_0112		Residential	1	SE	61	56	58	53	61	57	58	54	-2.8	-2.7	-3	-3.1	60	55	NO	NO	NO
15	15_0113		Residential	G	SE	57	53	55	51	58	54	55	51	-2.6	-2.5	-2.8	-2.9	60	55	NO	NO	NO
15	15_0113		Residential	1	SE	60	55	57	53	61	56	58	53	-2.8	-2.6	-3	-3	60	55	NO	NO	NO
15	15_0114		Residential	G	SE	56	51	54	50	56	52	54	50	-1.8	-1.8	-2	-2.1	60	55	NO	NO	NO
15	15_0114		Residential	1	SE	58	54	56	52	59	55	56	52	-2.3	-2.2	-2.5	-2.6	60	55	NO	NO	NO
15	15_0115		Residential	G	E	55	51	55	51	56	52	55	51	-0.2	-0.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0115		Residential	1	E	57	53	57	53	58	54	57	53	-0.4	-0.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0116		Residential	G	E	56	51	55	51	56	52	56	51	-0.5	-0.4	-0.7	-0.8	60	55	NO	NO	NO
15	15_0117		Residential	G	NE	55	50	54	50	55	51	55	51	-0.4	-0.3	-0.5	-0.6	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0118		Residential	G	E	54	50	54	49	55	51	54	50	-0.6	-0.5	-0.8	-0.9	60	55	NO	NO	NO
15	15_0119		Residential	G	E	54	49	53	49	55	50	54	49	-0.8	-0.7	-1	-1.1	60	55	NO	NO	NO
15	15_0120		Residential	G	E	54	49	53	48	54	50	53	49	-1	-1	-1.2	-1.3	60	55	NO	NO	NO
15	15_0121		Residential	G	NE	54	50	53	48	55	50	53	49	-1.4	-1.4	-1.7	-1.8	60	55	NO	NO	NO
15	15_0122		Residential	G	NE	55	50	53	48	55	51	53	49	-1.8	-1.7	-2	-2.2	60	55	NO	NO	NO
15	15_0123		Residential	G	NE	55	50	53	48	55	51	53	49	-1.9	-1.8	-2.1	-2.2	60	55	NO	NO	NO
15	15_0124		Residential	G	E	55	50	53	48	56	51	53	49	-2	-2	-2.3	-2.4	60	55	NO	NO	NO
15	15_0125		Residential	G	NE	55	51	53	49	56	52	54	49	-2.1	-2.1	-2.4	-2.6	60	55	NO	NO	NO
15	15_0126		Residential	G	E	55	51	53	49	56	52	54	49	-2.2	-2.1	-2.4	-2.6	60	55	NO	NO	NO
15	15_0127		Residential	G	E	55	50	53	48	56	51	53	49	-2.1	-2	-2.3	-2.5	60	55	NO	NO	NO
15	15_0127		Residential	1	E	56	52	54	49	57	53	54	50	-2.2	-2.1	-2.5	-2.6	60	55	NO	NO	NO
15	15_0128		Residential	G	NE	55	51	53	49	56	52	54	49	-2.1	-2	-2.4	-2.5	60	55	NO	NO	NO
15	15_0129		Residential	G	E	55	51	53	49	56	52	54	49	-2	-1.8	-2.2	-2.3	60	55	NO	NO	NO
15	15_0129		Residential	1	E	57	52	55	51	58	53	56	51	-1.9	-1.8	-2.1	-2.2	60	55	NO	NO	NO
15	15_0130		Residential	G	E	56	52	55	51	57	53	56	51	-1.1	-1	-1.4	-1.4	60	55	NO	NO	NO
15	15_0131		Residential	G	E	56	52	55	51	57	53	56	52	-1	-0.8	-1.1	-1.1	60	55	NO	NO	NO
15	15_0131		Residential	1	E	59	54	58	53	59	55	58	54	-1	-0.9	-1.1	-1.2	60	55	NO	NO	NO
15	15_0132		Residential	G	NE	57	53	56	52	58	53	57	53	-0.6	-0.4	-0.7	-0.8	60	55	NO	NO	NO
15	15_0132		Residential	1	NE	60	55	58	54	60	56	59	54	-1.2	-1.1	-1.5	-1.6	60	55	NO	NO	NO
15	15_0133		Residential	G	NE	57	53	56	52	58	54	57	53	-0.9	-0.8	-1.1	-1.3	60	55	NO	NO	NO
15	15_0134		Residential	G	E	55	51	55	50	56	52	55	51	-0.6	-0.6	-0.8	-1	60	55	NO	NO	NO
15	15_0134		Residential	1	E	57	53	56	52	58	54	57	52	-1.2	-1.1	-1.5	-1.6	60	55	NO	NO	NO
15	15_0135		Residential	G	E	56	51	55	50	57	52	55	51	-1.2	-1.1	-1.4	-1.4	60	55	NO	NO	NO
15	15_0136		Residential	G	E	56	51	54	50	56	52	55	50	-1.4	-1.3	-1.6	-1.7	60	55	NO	NO	NO
15	15_0137		Residential	G	E	56	51	54	50	56	52	54	50	-1.7	-1.7	-2	-2.1	60	55	NO	NO	NO
15	15_0138		Residential	G	E	56	51	53	49	56	52	54	50	-2.2	-2.1	-2.5	-2.5	60	55	NO	NO	NO
15	15_0139		Residential	G	E	56	51	54	49	57	52	54	50	-2.3	-2.2	-2.6	-2.7	60	55	NO	NO	NO
15	15_0140		Residential	G	E	56	52	54	49	57	53	54	50	-2.5	-2.3	-2.7	-2.9	60	55	NO	NO	NO
15	15_0141		Residential	G	E	56	52	54	49	57	53	54	50	-2.5	-2.4	-2.8	-3	60	55	NO	NO	NO
15	15_0142		Residential	G	NE	57	52	54	50	58	53	55	50	-2.6	-2.5	-3	-3.1	60	55	NO	NO	NO
15	15_0143		Residential	G	NE	57	52	54	50	58	53	55	50	-2.4	-2.3	-2.7	-2.8	60	55	NO	NO	NO
15	15_0144		Residential	G	NE	57	53	55	51	58	54	56	51	-2	-1.8	-2.3	-2.3	60	55	NO	NO	NO
15	15_0145		Residential	G	E	57	52	55	50	57	53	55	51	-1.8	-1.7	-2.1	-2.2	60	55	NO	NO	NO
15	15_0146		Residential	G	N	57	52	57	53	58	53	58	53	0.3	0.2	0.2	0.3	60	55	NO	NO	NO
15	15_0146		Residential	1	E	60	56	59	55	61	56	60	55	-1.1	-1	-1.3	-1.4	60	55	NO	NO	NO
15	15_0147		Residential	G	N	57	53	57	53	58	53	58	53	0.3	0.2	0.2	0.2	60	55	NO	NO	NO
15	15_0148		Residential	G	N	58	53	58	54	58	54	59	54	0.2	0.3	0.1	0.2	60	55	NO	NO	NO
15	15_0148		Residential	1	E	61	56	60	55	62	57	60	56	-1.2	-1	-1.5	-1.4	60	55	NO	NO	NO
15	15_0149		Residential	G	N	57	53	57	53	58	54	58	54	0.1	0.1	0.1	0.1	60	55	NO	NO	NO
15	15_0150		Residential	G	NE	58	54	56	52	59	55	56	52	-2.2	-2	-2.5	-2.6	60	55	NO	NO	NO
15	15_0151		Residential	G	E	57	53	55	51	58	54	55	51	-2.3	-2.1	-2.6	-2.6	60	55	NO	NO	NO
15	15_0151		Residential	1	E	59	54	56	52	60	55	57	52	-2.9	-2.7	-3.1	-3.2	60	55	NO	NO	NO
15	15_0152		Residential	G	E	57	53	54	50	58	54	55	51	-2.9	-2.7	-3.2	-3.3	60	55	NO	NO	NO
15	15_0152		Residential	1	E	59	54	56	51	59	55	56	52	-2.8	-2.7	-3.1	-3.2	60	55	NO	NO	NO
15	15_0153		Residential	G	E	58	53	55	50	59	54	55	51	-3	-2.8	-3.3	-3.4	60	55	NO	NO	NO
15	15_0154		Residential	G	E	57	53	54	50	58	54	55	50	-2.9	-2.8	-3.2	-3.3	60	55	NO	NO	NO
15	15_0155		Residential	G	E	57	52	54	50	57	53	55	50	-2.5	-2.4	-2.8	-2.9	60	55	NO	NO	NO
15	15_0156		Residential	G	NE	57	52	54	50	57	53	55	50	-2.3	-2.2	-2.6	-2.6	60	55	NO	NO	NO
15	15_0157		Residential	G	NE	57	53	55	50	58	54	55	51	-2.4	-2.3	-2.7	-2.8	60	55	NO	NO	NO
15	15_0158		Residential	G	NE	60	56	57	53	61	57	58	53	-3.1	-3	-3.5	-3.6	60	55	NO	NO	NO
15	15_0159		Residential	G	NE	60	56	57	52	61	57	57	53	-3.3	-3.1	-3.6	-3.7	60	55	NO	NO	NO
15	15_0160		Residential	G	S	60	55	56	52	61	56	57	52	-3.8	-3.6	-4.2	-4.2	60	55	NO	NO	NO
15	15_0160		Residential	1	E	63	58	61	57	64	60	61	57	-2.1	-1.8	-2.4	-2.4	60	55	NO	NO	YES
15	15_0161		Residential	G	S	59	55	56	51	60	56	56	52	-3.6	-3.4	-4.1	-4.2	60	55	NO	NO	NO
15	15_0161		Residential	1	N	58	53	58	53	58	54	58	54	0.3	0.3	0.1	0	60	55	NO	NO	NO
15	15_0162		Residential	G	E	61	57	60	56	62	58	60	56	-1.4	-1.2	-1.6	-1.7	60	55	NO	NO	NO
15	15_0163		Residential	G	S	58	53	57	53	59	54	58	53	-0.7	-0.6	-1	-1.1	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0164		Residential	G	NE	59	55	58	54	60	56	59	54	-1.4	-1.3	-1.6	-1.7	60	55	NO	NO	NO
15	15_0165		Residential	G	E	61	56	60	55	62	57	60	56	-1.2	-1	-1.5	-1.5	60	55	NO	NO	NO
15	15_0166		Residential	G	N	55	51	55	50	56	51	56	51	-0.4	-0.9	-0.2	-0.2	60	55	NO	NO	NO
15	15_0167		Residential	G	W	55	51	55	49	56	50	56	50	-0.6	-1.7	-0.4	-0.4	60	55	NO	NO	NO
15	15_0168		Residential	G	W	54	50	54	48	55	50	55	49	-0.6	-1.7	-0.4	-0.4	60	55	NO	NO	NO
15	15_0169		Residential	G	W	53	49	53	47	54	49	54	48	-0.5	-1.5	-0.4	-0.5	60	55	NO	NO	NO
15	15_0170		Residential	G	E	55	50	53	49	56	51	54	49	-1.8	-1.7	-2	-2.1	60	55	NO	NO	NO
15	15_0171		Residential	G	NE	54	50	53	48	55	50	53	49	-1.6	-1.6	-1.7	-1.8	60	55	NO	NO	NO
15	15_0172		Residential	G	E	55	50	53	48	56	51	53	49	-2	-1.9	-2.3	-2.4	60	55	NO	NO	NO
15	15_0173		Residential	G	E	54	49	53	48	55	50	53	49	-1.4	-1.4	-1.5	-1.6	60	55	NO	NO	NO
15	15_0174		Residential	G	E	54	49	53	48	55	50	53	49	-1.2	-1.3	-1.4	-1.5	60	55	NO	NO	NO
15	15_0175		Residential	G	E	54	50	53	48	55	51	53	49	-1.6	-1.6	-1.8	-2	60	55	NO	NO	NO
15	15_0176		Residential	G	NE	54	50	53	48	55	51	53	49	-1.5	-1.5	-1.7	-1.8	60	55	NO	NO	NO
15	15_0177		Residential	G	E	54	49	53	48	55	50	53	49	-1.2	-1.2	-1.4	-1.5	60	55	NO	NO	NO
15	15_0178		Residential	G	E	54	49	53	48	55	50	53	49	-1	-1	-1.2	-1.3	60	55	NO	NO	NO
15	15_0179		Residential	G	E	54	49	53	49	55	50	54	49	-1	-0.9	-1.1	-1.2	60	55	NO	NO	NO
15	15_0180		Residential	G	NE	54	50	53	49	55	51	54	50	-0.8	-0.7	-0.9	-1	60	55	NO	NO	NO
15	15_0181		Residential	G	E	55	50	54	49	55	51	55	50	-0.6	-0.6	-0.7	-0.9	60	55	NO	NO	NO
15	15_0182		Residential	G	E	54	50	54	49	55	51	54	50	-0.4	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0183		Residential	G	NE	55	51	55	50	56	52	55	51	-0.5	-0.5	-0.6	-0.8	60	55	NO	NO	NO
15	15_0184		Residential	G	E	55	51	55	50	56	51	55	51	-0.4	-0.2	-0.4	-0.6	60	55	NO	NO	NO
15	15_0184		Residential	1	E	57	52	56	52	58	53	57	52	-0.6	-0.6	-0.7	-0.9	60	55	NO	NO	NO
15	15_0185		Residential	G	NE	55	50	54	50	55	51	55	51	-0.2	-0.2	-0.3	-0.4	60	55	NO	NO	NO
15	15_0185		Residential	1	NE	57	52	56	52	57	53	57	52	-0.5	-0.5	-0.7	-0.8	60	55	NO	NO	NO
15	15_0186		Residential	G	NE	54	50	54	49	55	51	54	50	-0.5	-0.6	-0.7	-0.8	60	55	NO	NO	NO
15	15_0187		Residential	G	NE	54	50	54	49	55	51	54	50	-0.6	-0.6	-0.7	-0.9	60	55	NO	NO	NO
15	15_0187		Residential	1	NE	57	53	56	52	58	54	57	52	-0.9	-0.9	-1.1	-1.2	60	55	NO	NO	NO
15	15_0188		Residential	G	SE	56	52	55	51	57	53	56	51	-1.3	-1.2	-1.4	-1.6	60	55	NO	NO	NO
15	15_0188		Residential	1	SE	61	56	59	54	61	57	59	55	-2	-1.8	-2.2	-2.2	60	55	NO	NO	NO
15	15_0189		Residential	G	NE	57	53	56	52	58	53	57	52	-0.8	-0.8	-0.9	-1.1	60	55	NO	NO	NO
15	15_0190		Residential	G	NE	57	53	56	52	58	53	57	52	-0.6	-0.6	-0.8	-0.9	60	55	NO	NO	NO
15	15_0191		Residential	G	NE	59	54	58	53	60	55	58	54	-1.1	-0.9	-1.3	-1.3	60	55	NO	NO	NO
15	15_0192		Residential	G	NW	55	50	54	49	56	50	55	50	-0.7	-1.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0193		Residential	G	NW	53	49	53	48	54	49	54	49	-0.4	-1.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0194		Residential	G	NE	54	49	53	48	54	50	54	49	-0.7	-0.8	-0.7	-0.8	60	55	NO	NO	NO
15	15_0195		Residential	G	NE	53	49	53	48	54	49	53	49	-0.4	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0196		Residential	G	NW	56	51	55	49	57	51	56	50	-0.8	-2.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0196		Residential	1	SW	57	53	57	51	58	52	58	52	-0.7	-2.1	-0.5	-0.4	60	55	NO	NO	NO
15	15_0197		Residential	G	NW	56	52	56	50	57	51	57	51	-0.7	-2.2	-0.5	-0.4	60	55	NO	NO	NO
15	15_0198		Residential	G	NW	56	52	56	50	57	51	57	51	-0.7	-2.1	-0.5	-0.4	60	55	NO	NO	NO
15	15_0199		Residential	G	NW	56	51	55	49	57	51	56	51	-0.7	-1.9	-0.4	-0.4	60	55	NO	NO	NO
15	15_0200		Residential	G	NW	56	51	55	49	57	51	56	50	-0.6	-1.8	-0.5	-0.5	60	55	NO	NO	NO
15	15_0201		Residential	G	NW	54	50	54	48	55	49	55	49	-0.6	-1.5	-0.5	-0.4	60	55	NO	NO	NO
15	15_0202		Residential	G	NW	54	50	54	48	55	49	55	49	-0.6	-1.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0203		Residential	G	NW	54	50	54	48	55	49	55	49	-0.6	-1.9	-0.4	-0.4	60	55	NO	NO	NO
15	15_0204		Residential	G	SW	55	51	54	50	56	51	55	50	-0.6	-1	-0.5	-0.6	60	55	NO	NO	NO
15	15_0204		Residential	1	SW	58	53	57	52	58	54	58	53	-0.6	-0.9	-0.6	-0.7	60	55	NO	NO	NO
15	15_0205		Residential	G	SW	55	51	55	50	56	52	56	51	-0.5	-0.7	-0.5	-0.6	60	55	NO	NO	NO
15	15_0206		Residential	G	SW	56	52	55	51	57	52	56	51	-0.6	-0.8	-0.6	-0.7	60	55	NO	NO	NO
15	15_0206		Residential	1	SW	58	54	58	53	59	54	58	54	-0.6	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0207		Residential	G	SW	55	51	55	50	56	52	56	51	-0.5	-0.7	-0.6	-0.6	60	55	NO	NO	NO
15	15_0207		Residential	1	SW	58	54	58	53	59	54	58	54	-0.6	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0208		Residential	G	SW	57	52	56	52	57	53	57	52	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0208		Residential	1	SW	59	54	58	54	59	55	59	54	-0.6	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0209		Residential	G	SW	58	54	58	53	59	54	58	54	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0210		Residential	G	S	59	55	58	54	59	55	59	54	-0.6	-0.6	-0.7	-0.8	60	55	NO	NO	NO
15	15_0210		Residential	1	S	60	56	59	55	61	56	60	55	-0.8	-0.7	-0.8	-0.9	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0211		Residential	G	SW	57	53	57	53	58	54	58	53	-0.5	-0.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0211		Residential	1	SW	59	55	59	54	60	56	59	55	-0.5	-0.5	-0.5	-0.7	60	55	NO	NO	NO
15	15_0212		Residential	G	SW	58	54	58	53	59	55	58	54	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0212		Residential	1	SE	61	57	60	55	62	58	60	56	-1.5	-1.4	-1.6	-1.7	60	55	NO	NO	NO
15	15_0213		Residential	G	SW	58	54	58	53	59	55	58	54	-0.5	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0214		Residential	G	SW	58	53	57	53	58	54	58	53	-0.4	-0.4	-0.4	-0.6	60	55	NO	NO	NO
15	15_0215		Residential	G	SE	59	55	58	53	60	55	58	54	-1.2	-1.1	-1.2	-1.3	60	55	NO	NO	NO
15	15_0216		Residential	G	SE	58	54	58	53	59	55	58	54	-0.8	-0.7	-0.9	-0.9	60	55	NO	NO	NO
15	15_0216		Residential	1	SE	60	56	59	55	61	57	60	56	-0.9	-0.8	-1	-1	60	55	NO	NO	NO
15	15_0217		Residential	G	SE	58	53	57	53	58	54	58	53	-0.7	-0.6	-0.8	-0.8	60	55	NO	NO	NO
15	15_0217		Residential	1	SE	60	55	59	55	60	56	59	55	-0.7	-0.7	-0.8	-0.9	60	55	NO	NO	NO
15	15_0218		Residential	G	SE	57	53	57	53	58	54	57	53	-0.6	-0.6	-0.8	-0.8	60	55	NO	NO	NO
15	15_0218		Residential	1	SW	59	55	58	54	60	55	59	55	-0.6	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0219		Residential	G	S	54	50	54	50	55	51	55	50	-0.4	-0.4	-0.4	-0.4	60	55	NO	NO	NO
15	15_0219		Residential	1	S	59	55	59	54	60	55	59	55	-0.5	-0.5	-0.6	-0.6	60	55	NO	NO	NO
15	15_0220		Residential	G	SW	56	52	56	51	57	53	56	52	-0.6	-0.6	-0.6	-0.6	60	55	NO	NO	NO
15	15_0220		Residential	1	SW	58	54	58	53	59	54	58	54	-0.6	-0.5	-0.7	-0.7	60	55	NO	NO	NO
15	15_0221		Residential	G	SW	53	48	53	48	53	49	53	49	-0.1	-0.3	-0.1	-0.2	60	55	NO	NO	NO
15	15_0221		Residential	1	SE	58	54	58	53	59	54	58	54	-0.5	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0222		Residential	G	SW	55	51	55	50	56	52	55	51	-0.6	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0222		Residential	1	SW	58	53	57	53	58	54	58	53	-0.7	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0223		Residential	G	SW	55	51	54	50	56	51	55	50	-1.1	-0.9	-1.1	-1.1	60	55	NO	NO	NO
15	15_0223		Residential	1	SW	57	53	56	52	58	53	57	53	-0.8	-0.8	-0.9	-0.9	60	55	NO	NO	NO
15	15_0224		Residential	G	SW	51	47	51	46	52	47	52	47	-0.1	-0.4	0	0	60	55	NO	NO	NO
15	15_0224		Residential	1	SW	54	50	54	49	55	50	55	50	-0.3	-0.6	-0.2	-0.3	60	55	NO	NO	NO
15	15_0225		Residential	G	SW	51	47	51	46	52	47	52	47	-0.4	-0.9	-0.3	-0.3	60	55	NO	NO	NO
15	15_0225		Residential	1	SW	55	50	54	49	55	51	55	50	-0.6	-0.9	-0.5	-0.5	60	55	NO	NO	NO
15	15_0226		Residential	G	SW	51	47	51	46	52	47	52	47	-0.4	-1	-0.2	-0.2	60	55	NO	NO	NO
15	15_0226		Residential	1	SW	54	50	54	49	55	50	55	50	-0.3	-0.8	-0.2	-0.3	60	55	NO	NO	NO
15	15_0227		Residential	G	SE	51	46	50	46	51	47	51	46	-0.3	-0.4	-0.3	-0.3	60	55	NO	NO	NO
15	15_0227		Residential	1	NW	55	50	54	49	56	50	55	50	-0.6	-1.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0228		Residential	G	SE	53	49	53	48	54	49	53	49	-0.4	-0.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0228		Residential	1	SW	57	53	56	51	58	53	57	52	-0.8	-1.4	-0.7	-0.8	60	55	NO	NO	NO
15	15_0229		Residential	G	SW	52	48	52	47	53	48	53	48	-0.5	-1.3	-0.4	-0.5	60	55	NO	NO	NO
15	15_0229		Residential	1	SW	57	53	57	51	58	53	57	52	-0.7	-1.6	-0.6	-0.6	60	55	NO	NO	NO
15	15_0230		Residential	G	SW	56	51	55	49	57	51	56	50	-0.7	-2.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0230		Residential	1	SW	58	53	57	51	58	53	58	52	-0.6	-1.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0231		Residential	G	SW	55	51	55	49	56	50	56	50	-0.7	-2.2	-0.4	-0.3	60	55	NO	NO	NO
15	15_0231		Residential	1	SW	57	53	57	51	58	52	58	52	-0.5	-1.8	-0.3	-0.4	60	55	NO	NO	NO
15	15_0232		Residential	G	SW	56	51	55	49	57	51	56	50	-0.7	-2.1	-0.4	-0.4	60	55	NO	NO	NO
15	15_0232		Residential	1	SW	58	53	57	51	59	53	58	52	-0.8	-2	-0.5	-0.6	60	55	NO	NO	NO
15	15_0233		Residential	G	SW	55	51	55	50	56	51	56	50	-0.5	-1.2	-0.4	-0.5	60	55	NO	NO	NO
15	15_0234		Residential	G	SW	54	50	53	48	55	50	54	49	-0.6	-1.2	-0.5	-0.4	60	55	NO	NO	NO
15	15_0235		Residential	G	SW	51	47	51	46	52	47	52	47	-0.5	-1	-0.3	-0.4	60	55	NO	NO	NO
15	15_0235		Residential	1	SW	56	52	55	51	57	52	56	51	-0.8	-1.1	-0.9	-0.9	60	55	NO	NO	NO
15	15_0236		Residential	G	SE	50	46	50	45	51	46	50	46	-0.2	-0.3	-0.3	-0.2	60	55	NO	NO	NO
15	15_0236		Residential	1	SE	55	51	54	50	56	51	55	51	-0.6	-0.6	-0.5	-0.6	60	55	NO	NO	NO
15	15_0237		Residential	G	SW	53	48	52	47	53	48	53	48	-0.5	-0.9	-0.4	-0.3	60	55	NO	NO	NO
15	15_0237		Residential	1	SW	57	52	56	51	57	53	57	52	-0.5	-0.9	-0.5	-0.5	60	55	NO	NO	NO
15	15_0238		Residential	G	SW	56	51	55	49	56	51	56	50	-0.6	-1.7	-0.4	-0.3	60	55	NO	NO	NO
15	15_0238		Residential	1	SW	59	55	58	53	60	55	59	54	-0.8	-1.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0239		Residential	G	SW	56	52	55	50	57	51	56	51	-0.6	-1.8	-0.4	-0.4	60	55	NO	NO	NO
15	15_0240		Residential	G	W	56	51	55	49	57	51	56	50	-0.8	-2.3	-0.4	-0.4	60	55	NO	NO	NO
15	15_0240		Residential	1	W	58	54	57	52	59	53	59	53	-0.7	-2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0241		Residential	G	W	56	51	55	49	57	50	56	50	-0.8	-2.5	-0.5	-0.4	60	55	NO	NO	NO
15	15_0241		Residential	1	W	58	53	57	51	59	52	58	52	-0.7	-2.3	-0.5	-0.5	60	55	NO	NO	NO
15	15_0242		Residential	G	W	56	51	55	49	57	50	56	50	-0.8	-2.3	-0.4	-0.4	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0243		Residential	G	SW	54	50	53	48	55	49	55	49	-0.7	-2	-0.4	-0.4	60	55	NO	NO	NO
15	15_0243		Residential	1	SW	57	52	56	50	57	52	57	51	-0.6	-1.9	-0.4	-0.4	60	55	NO	NO	NO
15	15_0244		Residential	G	SW	55	51	55	50	56	51	55	50	-0.4	-1	-0.4	-0.3	60	55	NO	NO	NO
15	15_0244		Residential	1	SW	58	54	57	53	59	54	58	53	-0.6	-1	-0.6	-0.6	60	55	NO	NO	NO
15	15_0245		Residential	G	SW	57	52	56	51	57	53	57	52	-0.6	-0.8	-0.6	-0.6	60	55	NO	NO	NO
15	15_0245		Residential	1	SW	58	54	58	53	59	55	58	54	-0.7	-0.9	-0.7	-0.8	60	55	NO	NO	NO
15	15_0246		Residential	G	SW	57	52	56	52	57	53	57	52	-0.6	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0246		Residential	1	SW	58	54	58	53	59	54	58	54	-0.7	-0.9	-0.8	-0.8	60	55	NO	NO	NO
15	15_0247		Residential	G	SW	56	51	55	51	56	52	56	51	-0.3	-0.5	-0.4	-0.4	60	55	NO	NO	NO
15	15_0247		Residential	1	SW	58	54	58	53	59	55	58	54	-0.8	-0.8	-0.8	-0.9	60	55	NO	NO	NO
15	15_0248		Residential	G	SW	67	62	66	60	68	62	67	61	-0.8	-2.2	-0.6	-0.5	60	55	NO	NO	NO
15	15_0249		Residential	G	SW	66	61	65	59	67	61	66	60	-0.8	-2.3	-0.6	-0.6	60	55	NO	NO	NO
15	15_0249		Residential	1	SW	67	62	66	60	68	62	67	61	-0.8	-2.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0250		Residential	G	SW	65	60	64	58	66	60	65	59	-0.8	-2.1	-0.5	-0.6	60	55	NO	NO	NO
15	15_0250		Residential	1	SW	66	62	65	59	67	61	66	60	-0.8	-2.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0251		Residential	G	SW	64	60	64	58	65	60	65	59	-0.7	-2.2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0251		Residential	1	SW	66	62	65	59	67	61	67	61	-0.8	-2.2	-0.5	-0.5	60	55	NO	NO	NO
15	15_0252		Residential	G	SW	63	58	62	56	64	58	63	57	-0.8	-2.3	-0.7	-0.7	60	55	NO	NO	NO
15	15_0252		Residential	1	SW	65	60	64	58	66	60	65	59	-0.8	-2.2	-0.5	-0.6	60	55	NO	NO	NO
15	15_0253		Residential	G	SW	64	60	63	58	65	59	65	59	-0.8	-2.1	-0.5	-0.5	60	55	NO	NO	NO
15	15_0253		Residential	1	SW	66	61	65	59	67	61	66	60	-0.8	-2.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0254		Residential	G	SW	66	62	65	59	67	61	66	60	-0.8	-2.4	-0.5	-0.6	60	55	NO	NO	NO
15	15_0255		Residential	G	SW	63	59	62	57	64	58	64	58	-0.8	-2.2	-0.6	-0.6	60	55	NO	NO	NO
15	15_0256		Residential	G	SW	62	57	61	55	62	57	62	56	-0.9	-2.2	-0.6	-0.7	60	55	NO	NO	NO
15	15_0256		Residential	1	SW	65	60	64	58	66	60	65	59	-0.8	-2.4	-0.6	-0.5	60	55	NO	NO	NO
15	15_0257		Residential	G	SW	62	58	62	56	63	57	63	57	-0.9	-2.3	-0.6	-0.6	60	55	NO	NO	NO
15	15_0258		Residential	G	SW	58	54	58	54	59	55	58	54	-0.6	-0.6	-0.7	-0.7	60	55	NO	NO	NO
15	15_0258		Residential	1	SW	60	56	59	55	61	56	60	56	-0.5	-0.6	-0.6	-0.7	60	55	NO	NO	NO
15	15_0259		Residential	G	SE	56	52	55	51	57	52	56	52	-0.9	-0.9	-0.9	-0.9	60	55	NO	NO	NO
15	15_0260		Residential	G	SE	53	49	53	48	54	49	53	49	-0.5	-0.5	-0.5	-0.6	60	55	NO	NO	NO
15	15_0261		Residential	G	SE	57	53	57	52	58	54	57	53	-0.5	-0.6	-0.6	-0.6	60	55	NO	NO	NO
15	15_0261		Residential	1	SE	59	55	58	54	60	55	59	55	-0.6	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0262		Residential	G	SE	55	50	54	50	55	51	55	50	-0.4	-0.4	-0.5	-0.6	60	55	NO	NO	NO
15	15_0262		Residential	1	SE	59	55	59	54	60	56	59	55	-0.5	-0.5	-0.6	-0.7	60	55	NO	NO	NO
15	15_0263		Residential	G	SE	53	49	53	49	54	49	54	49	-0.2	-0.4	-0.2	-0.3	60	55	NO	NO	NO
15	15_0263		Residential	1	SW	59	55	58	54	60	55	59	55	-0.5	-0.6	-0.7	-0.6	60	55	NO	NO	NO
15	15_0264		Residential	G	SW	58	53	57	53	58	54	58	53	-0.8	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0264		Residential	1	SW	59	55	58	54	60	55	59	55	-0.7	-0.7	-0.7	-0.7	60	55	NO	NO	NO
15	15_0265		Residential	G	SE	58	53	57	53	58	54	58	53	-0.8	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0265		Residential	1	SW	59	55	58	54	60	55	59	55	-0.8	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0266		Residential	G	SW	53	48	52	48	53	49	53	49	-0.4	-0.5	-0.3	-0.4	60	55	NO	NO	NO
15	15_0267		Residential	G	SE	58	54	57	53	59	54	58	53	-0.8	-0.9	-0.9	-0.9	60	55	NO	NO	NO
15	15_0268		Residential	G	SE	58	53	57	53	58	54	58	53	-0.8	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0269		Residential	G	SW	56	51	55	51	56	52	56	51	-0.5	-0.7	-0.6	-0.6	60	55	NO	NO	NO
15	15_0269		Residential	1	SW	58	54	57	53	59	54	58	54	-0.7	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0270		Residential	G	SE	57	52	56	52	57	53	57	52	-0.8	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0270		Residential	1	SE	58	54	57	53	59	54	58	53	-0.7	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0271		Residential	G	SW	57	53	56	52	58	53	57	53	-0.7	-0.7	-0.8	-0.8	60	55	NO	NO	NO
15	15_0272		Residential	G	SW	58	54	57	53	59	54	58	53	-0.7	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0272		Residential	1	SW	59	55	58	54	60	55	59	55	-0.6	-0.7	-0.7	-0.6	60	55	NO	NO	NO
15	15_0273		Residential	G	SW	58	53	57	53	58	54	58	53	-0.6	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0274		Residential	G	SW	55	51	54	50	56	51	55	50	-0.6	-0.7	-0.7	-0.8	60	55	NO	NO	NO
15	15_0274		Residential	1	SW	58	53	57	53	58	54	58	53	-0.8	-0.8	-0.8	-0.8	60	55	NO	NO	NO
15	15_0275		Residential	G	SW	55	50	54	50	55	51	55	50	-0.4	-0.7	-0.4	-0.5	60	55	NO	NO	NO
15	15_0275		Residential	1	SW	58	54	58	53	59	54	58	54	-0.7	-0.8	-0.7	-0.7	60	55	NO	NO	NO
15	15_0276		Residential	G	SW	55	51	55	50	56	52	56	51	-0.4	-0.7	-0.4	-0.6	60	55	NO	NO	NO
15	15_0277		Residential	G	SW	58	53	57	53	58	54	58	53	-0.7	-0.8	-0.6	-0.7	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
15	15_0278		Residential	G	SW	55	51	54	50	56	51	55	50	-0.7	-1.1	-0.7	-0.7	60	55	NO	NO	NO
16	16_0001		Residential	G	NW	62	58	62	58	62	58	62	58	0	0.1	0	-0.1	60	55	NO	NO	NO
16	16_0001		Residential	1	NW	62	58	62	58	63	59	63	59	-0.1	0	0	-0.2	60	55	NO	NO	NO
16	16_0002		Residential	G	NW	62	58	62	58	63	59	63	59	-0.1	0	-0.1	-0.2	60	55	NO	NO	NO
16	16_0002		Residential	1	NW	63	59	62	59	63	59	63	59	-0.2	0	-0.1	-0.2	60	55	NO	NO	NO
16	16_0003		Residential	G	NW	63	59	62	59	63	59	63	59	-0.4	-0.2	-0.3	-0.4	60	55	NO	NO	NO
16	16_0003		Residential	1	NW	63	59	63	59	64	60	63	59	-0.5	-0.3	-0.4	-0.5	60	55	NO	NO	NO
16	16_0004		Residential	G	NW	62	58	62	58	63	59	63	59	-0.1	0.1	0	-0.1	60	55	NO	NO	NO
16	16_0004		Residential	1	NW	63	59	63	59	63	60	63	59	-0.2	-0.1	-0.1	-0.2	60	55	NO	NO	NO
16	16_0005		Residential	G	SW	62	58	60	56	62	58	61	57	-1.2	-1.1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0006		Residential	G	SW	61	57	60	56	61	58	60	56	-1.3	-1.1	-1.2	-1.3	60	55	NO	NO	NO
16	16_0007		Residential	G	SW	61	57	60	56	61	58	60	56	-1.4	-1.2	-1.1	-1.4	60	55	NO	NO	NO
16	16_0008		Residential	G	SW	60	56	59	55	60	57	59	55	-1.4	-1.3	-1.3	-1.5	60	55	NO	NO	NO
16	16_0009		Residential	G	SW	60	56	58	55	60	57	59	55	-1.5	-1.4	-1.4	-1.5	60	55	NO	NO	NO
16	16_0010		Residential	G	SW	58	54	57	53	59	55	57	53	-1.8	-1.8	-1.7	-1.8	60	55	NO	NO	NO
16	16_0011		Residential	G	SW	58	54	56	52	58	55	57	53	-1.9	-1.9	-1.7	-1.9	60	55	NO	NO	NO
16	16_0011		Residential	1	SW	60	56	58	54	60	56	59	55	-1.7	-1.6	-1.5	-1.7	60	55	NO	NO	NO
16	16_0012		Residential	G	SW	57	53	55	51	57	53	55	51	-1.8	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0012		Residential	1	SW	59	55	57	53	59	56	58	54	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0013		Residential	G	SW	56	52	54	50	57	53	55	51	-2	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0013		Residential	1	SW	58	54	57	53	59	55	57	53	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0014		Residential	G	SW	56	52	52	48	56	52	53	49	-3.4	-3.3	-3.2	-3.4	60	55	NO	NO	NO
16	16_0014		Residential	1	SW	58	54	55	51	58	54	56	52	-2.3	-2.3	-2.2	-2.3	60	55	NO	NO	NO
16	16_0015		Residential	G	SW	56	52	54	50	57	53	54	50	-2.6	-2.5	-2.4	-2.6	60	55	NO	NO	NO
16	16_0015		Residential	1	SW	58	54	56	52	58	55	56	52	-2.3	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0016		Residential	G	SW	56	52	54	50	57	53	54	50	-2.3	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0016		Residential	1	SW	58	54	56	52	58	55	56	52	-2.2	-2.1	-2	-2.3	60	55	NO	NO	NO
16	16_0017		Residential	G	W	56	52	54	50	57	53	55	51	-2.2	-2.2	-2	-2.3	60	55	NO	NO	NO
16	16_0017		Residential	1	W	58	54	56	52	58	55	57	53	-1.8	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0018		Residential	G	W	56	52	54	50	57	53	55	51	-2.1	-2	-2	-2.2	60	55	NO	NO	NO
16	16_0018		Residential	1	W	58	54	56	52	59	55	57	53	-1.9	-1.8	-1.8	-1.9	60	55	NO	NO	NO
16	16_0019		Residential	G	W	55	51	53	49	55	51	54	50	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0019		Residential	1	W	57	53	56	52	58	54	56	52	-1.5	-1.4	-1.4	-1.5	60	55	NO	NO	NO
16	16_0020		Residential	G	NW	55	51	52	49	55	52	53	49	-2.6	-2.5	-2.4	-2.7	60	55	NO	NO	NO
16	16_0020		Residential	1	NW	57	53	54	50	57	54	55	51	-2.7	-2.7	-2.6	-2.8	60	55	NO	NO	NO
16	16_0021		Residential	G	NW	55	51	52	48	55	51	53	49	-2.3	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0021		Residential	1	NW	57	53	55	51	57	54	55	51	-2.2	-2.1	-2.1	-2.2	60	55	NO	NO	NO
16	16_0022		Residential	G	NW	54	50	51	47	55	51	51	47	-3.4	-3.3	-3.3	-3.4	60	55	NO	NO	NO
16	16_0022		Residential	1	SW	56	52	54	50	57	53	54	50	-2.7	-2.6	-2.5	-2.7	60	55	NO	NO	NO
16	16_0023		Residential	G	SW	55	51	52	48	56	52	53	49	-3.2	-3.1	-3	-3.3	60	55	NO	NO	NO
16	16_0023		Residential	1	SW	57	53	54	50	57	54	55	51	-2.7	-2.6	-2.5	-2.7	60	55	NO	NO	NO
16	16_0024		Residential	G	W	55	51	52	48	56	52	53	49	-3	-2.9	-2.8	-3.1	60	55	NO	NO	NO
16	16_0025		Residential	G	NW	54	50	51	47	54	51	51	47	-3.1	-2.9	-3	-3.2	60	55	NO	NO	NO
16	16_0025		Residential	1	NW	56	52	53	49	57	53	54	50	-2.7	-2.6	-2.6	-2.7	60	55	NO	NO	NO
16	16_0026		Residential	G	W	63	59	62	59	63	59	63	59	-0.3	-0.1	-0.3	-0.4	60	55	NO	NO	NO
16	16_0027		Residential	G	W	63	59	63	59	64	60	64	60	-0.4	-0.2	-0.3	-0.5	60	55	NO	NO	NO
16	16_0028		Residential	G	NW	63	58	62	58	63	59	63	59	-0.3	-0.1	-0.2	-0.4	60	55	NO	NO	NO
16	16_0029		Residential	G	SW	63	59	62	58	63	59	62	58	-0.9	-0.7	-0.8	-0.9	60	55	NO	NO	NO
16	16_0030		Residential	G	NW	64	60	63	59	64	60	63	60	-0.7	-0.5	-0.5	-0.7	60	55	NO	NO	NO
16	16_0031		Residential	G	SW	63	59	61	58	63	59	62	58	-1.2	-1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0032		Residential	G	SW	63	59	62	58	63	59	62	58	-1.2	-1	-1	-1.2	60	55	NO	NO	NO
16	16_0033		Residential	G	SW	62	58	61	57	62	59	61	57	-1.4	-1.2	-1.2	-1.4	60	55	NO	NO	NO
16	16_0034		Residential	G	SW	62	58	61	57	62	59	61	57	-1.3	-1.1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0035		Residential	G	SW	62	58	61	57	62	58	61	57	-1	-0.8	-0.9	-1	60	55	NO	NO	NO
16	16_0036		Residential	G	SW	61	57	60	56	61	58	60	56	-1.2	-1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0037		Residential	G	SW	61	57	59	55	61	57	59	55	-2.1	-2	-2	-2.1	60	55	NO	NO	NO
16	16_0038		Residential	G	SW	59	55	55	51	59	56	56	52	-3.5	-3.4	-3.4	-3.6	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0039		Residential	G	SW	60	56	58	54	60	57	58	54	-2.2	-2	-2.1	-2.2	60	55	NO	NO	NO
16	16_0040		Residential	G	SW	59	55	57	53	60	56	57	53	-2.4	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0040		Residential	1	SW	60	56	58	54	61	57	59	55	-1.9	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0041		Residential	G	SW	59	55	57	53	60	56	58	54	-2.2	-2.1	-2.1	-2.3	60	55	NO	NO	NO
16	16_0042		Residential	G	SW	59	55	57	53	59	56	57	53	-2.4	-2.3	-2.1	-2.4	60	55	NO	NO	NO
16	16_0043		Residential	G	SW	56	52	53	49	57	53	54	50	-3.4	-3.2	-3.3	-3.4	60	55	NO	NO	NO
16	16_0043		Residential	1	SW	59	55	56	52	59	55	57	53	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0044		Residential	G	SW	58	54	55	51	58	54	56	52	-2.6	-2.4	-2.4	-2.5	60	55	NO	NO	NO
16	16_0045		Residential	G	SW	58	54	56	52	58	55	56	52	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0046		Residential	G	W	58	54	56	52	58	55	56	52	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0046		Residential	1	W	59	55	57	53	59	56	57	54	-2	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0047		Residential	G	W	58	54	56	52	59	55	57	53	-2.2	-2.1	-2.1	-2.3	60	55	NO	NO	NO
16	16_0048		Residential	G	NW	57	53	55	52	58	54	56	52	-2	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0048		Residential	1	SW	59	55	57	53	59	56	57	53	-2.1	-2	-2	-2.1	60	55	NO	NO	NO
16	16_0049		Residential	G	NW	58	54	56	52	59	55	56	52	-2.3	-2.2	-2.3	-2.4	60	55	NO	NO	NO
16	16_0050		Residential	G	SW	57	53	55	52	58	54	56	52	-1.9	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0051		Residential	G	NW	59	55	56	52	59	55	57	53	-2.6	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0052		Residential	G	NW	58	54	55	51	58	54	56	52	-2.4	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0053		Residential	G	NW	63	59	62	58	63	59	63	59	-0.6	-0.5	-0.6	-0.7	60	55	NO	NO	NO
16	16_0054		Residential	G	W	62	58	61	57	63	59	61	58	-1.1	-0.9	-1.1	-1.2	60	55	NO	NO	NO
16	16_0055		Residential	G	NW	63	59	62	58	63	60	62	58	-1.2	-0.9	-1.1	-1.2	60	55	NO	NO	NO
16	16_0056		Residential	G	W	63	59	62	58	64	60	63	59	-1	-0.8	-1	-1	60	55	NO	NO	NO
16	16_0057		Residential	G	NW	62	58	61	57	63	59	62	58	-1.2	-1.1	-1.2	-1.3	60	55	NO	NO	NO
16	16_0058		Residential	G	NW	63	59	62	58	63	59	62	58	-1.1	-1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0058		Residential	G	SW	63	59	61	57	63	59	62	58	-1.4	-1.2	-1.3	-1.4	60	55	NO	NO	YES
16	16_0059		Residential	G	NW	62	58	61	57	63	59	61	57	-1.5	-1.2	-1.3	-1.5	60	55	NO	NO	NO
16	16_0060		Residential	G	SW	62	58	61	57	62	59	61	57	-1.4	-1.2	-1.3	-1.4	60	55	NO	NO	NO
16	16_0061		Residential	G	SW	61	57	59	55	61	58	60	56	-1.8	-1.6	-1.7	-1.9	60	55	NO	NO	NO
16	16_0061		Residential	1	NW	62	58	61	57	63	59	62	58	-1.3	-1.2	-1.2	-1.3	60	55	NO	NO	NO
16	16_0061		Residential	2	NW	63	59	62	59	64	60	63	59	-1.1	-0.9	-1	-1.1	60	55	NO	NO	NO
16	16_0061		Residential	2	SW	63	59	61	57	63	60	62	58	-1.7	-1.5	-1.5	-1.7	60	55	NO	NO	YES
16	16_0062		Residential	G	SW	61	57	59	56	62	58	60	56	-1.9	-1.7	-1.8	-1.9	60	55	NO	NO	NO
16	16_0063		Residential	G	SW	61	57	59	55	62	58	60	56	-2	-1.8	-1.9	-2	60	55	NO	NO	NO
16	16_0064		Residential	G	SW	60	57	58	54	61	57	59	55	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0065		Residential	G	NW	60	56	58	54	60	56	58	55	-1.9	-1.8	-1.8	-1.9	60	55	NO	NO	NO
16	16_0066		Residential	G	SW	60	56	58	54	61	57	59	55	-2.2	-2.1	-2.2	-2.3	60	55	NO	NO	NO
16	16_0067		Residential	G	N	58	54	56	52	59	55	57	53	-2	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0068		Residential	G	W	61	57	59	55	62	58	59	55	-2.4	-2.2	-2.3	-2.4	60	55	NO	NO	NO
16	16_0069		Residential	G	SW	62	58	59	55	62	58	60	56	-2.4	-2.2	-2.3	-2.5	60	55	NO	NO	NO
16	16_0070		Residential	G	SW	61	57	59	55	62	58	59	56	-2.5	-2.3	-2.5	-2.6	60	55	NO	NO	NO
16	16_0071		Residential	G	SW	62	58	60	56	62	59	60	56	-2.4	-2.2	-2.3	-2.4	60	55	NO	NO	NO
16	16_0072		Residential	G	NW	62	58	60	56	63	59	61	57	-2.1	-2	-2.1	-2.2	60	55	NO	NO	NO
16	16_0073		Residential	G	N	60	55	60	56	60	56	60	56	0.1	0.4	0.1	0.1	60	55	NO	NO	NO
16	16_0074		Residential	G	W	64	60	63	59	65	61	63	60	-1.3	-1.1	-1.2	-1.3	60	55	NO	NO	NO
16	16_0075		Residential	G	W	64	60	62	58	64	60	63	59	-1.5	-1.3	-1.6	-1.6	60	55	NO	NO	YES
16	16_0075		Residential	1	W	65	61	63	59	65	62	64	60	-1.5	-1.3	-1.5	-1.6	60	55	NO	NO	YES
16	16_0076		Residential	G	W	64	60	62	58	64	60	62	58	-1.8	-1.6	-1.8	-1.9	60	55	NO	NO	YES
16	16_0077		Residential	G	W	63	59	61	57	64	60	62	58	-2.1	-1.9	-2.2	-2.1	60	55	NO	NO	YES
16	16_0078		Residential	G	SW	63	59	60	57	63	60	61	57	-2.4	-2.2	-2.4	-2.4	60	55	NO	NO	YES
16	16_0079		Residential	G	SW	62	58	60	56	63	59	60	56	-2.5	-2.3	-2.5	-2.6	60	55	NO	NO	NO
16	16_0080		Residential	G	SW	62	58	59	56	62	59	60	56	-2.5	-2.3	-2.5	-2.6	60	55	NO	NO	NO
16	16_0081		Residential	G	SW	61	57	58	55	62	58	59	55	-2.9	-2.6	-2.7	-2.8	60	55	NO	NO	NO
16	16_0082		Residential	G	SW	61	57	58	55	62	58	59	55	-2.7	-2.5	-2.7	-2.8	60	55	NO	NO	NO
16	16_0083		Residential	G	SW	61	57	58	54	61	57	58	55	-2.7	-2.6	-2.7	-2.8	60	55	NO	NO	NO
16	16_0084		Residential	G	SW	60	56	57	54	61	57	58	54	-2.8	-2.6	-2.7	-2.8	60	55	NO	NO	NO
16	16_0085		Residential	G	SW	60	56	56	52	60	56	57	53	-3.3	-3.1	-3.3	-3.4	60	55	NO	NO	NO
16	16_0086		Residential	G	SW	59	55	56	52	60	56	56	52	-3.7	-3.5	-3.6	-3.7	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0086		Residential	1	NW	61	57	58	54	61	58	59	55	-2.7	-2.5	-2.7	-2.8	60	55	NO	NO	NO
16	16_0087		Residential	G	SW	60	56	57	53	60	57	58	54	-2.7	-2.5	-2.7	-2.8	60	55	NO	NO	NO
16	16_0088		Residential	G	NW	59	55	56	52	59	55	56	52	-3	-2.8	-2.9	-3.1	60	55	NO	NO	NO
16	16_0088		Residential	1	NW	61	57	58	54	61	57	59	55	-2.3	-2.1	-2.2	-2.4	60	55	NO	NO	NO
16	16_0089		Residential	G	SW	59	55	57	53	59	56	57	53	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0090		Residential	G	NW	56	52	54	50	57	53	55	51	-2.1	-2	-2.1	-2.1	60	55	NO	NO	NO
16	16_0091		Residential	G	SW	56	52	54	50	57	53	54	50	-2.6	-2.5	-2.6	-2.7	60	55	NO	NO	NO
16	16_0091		Residential	1	NW	59	55	57	53	60	56	57	53	-2.5	-2.3	-2.3	-2.5	60	55	NO	NO	NO
16	16_0092		Residential	G	SW	57	53	54	50	57	54	54	50	-3	-2.9	-2.8	-3.1	60	55	NO	NO	NO
16	16_0092		Residential	1	SW	59	55	56	52	59	56	57	53	-2.6	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0093		Residential	G	W	57	53	55	51	58	54	55	51	-2.6	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0094		Residential	G	W	57	52	54	50	57	53	55	51	-2.1	-2	-1.9	-2.1	60	55	NO	NO	NO
16	16_0094		Residential	1	W	59	55	57	53	59	56	57	53	-2.4	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0095		Residential	G	SW	57	53	54	50	57	53	55	51	-2.7	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0096		Residential	G	NW	58	54	56	52	58	55	56	52	-2.2	-2	-2.1	-2.2	60	55	NO	NO	NO
16	16_0097		Residential	G	NE	55	51	55	51	56	52	56	52	0	0.2	0.1	0	60	55	NO	NO	NO
16	16_0097		Residential	1	NW	60	56	57	53	60	56	58	54	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0098		Residential	G	NE	53	49	53	49	54	50	53	49	-0.4	-0.2	-0.3	-0.4	60	55	NO	NO	NO
16	16_0099		Residential	G	NW	55	51	52	48	55	52	53	49	-2.7	-2.4	-2.5	-2.7	60	55	NO	NO	NO
16	16_0100		Residential	G	NE	54	50	53	49	54	50	54	50	-0.6	-0.4	-0.6	-0.6	60	55	NO	NO	NO
16	16_0101		Residential	G	N	55	51	54	50	55	51	54	50	-1.1	-0.8	-0.9	-1	60	55	NO	NO	NO
16	16_0102		Residential	G	NW	64	60	62	58	65	61	62	58	-2.3	-2.1	-2.3	-2.4	60	55	NO	NO	YES
16	16_0103		Residential	G	NW	65	61	62	58	66	62	63	59	-2.9	-2.6	-3.1	-3.1	60	55	NO	NO	YES
16	16_0104		Residential	G	NW	66	62	62	58	67	63	62	58	-4	-3.7	-4.3	-4.2	60	55	NO	NO	YES
16	16_0105		Residential	G	W	65	61	60	56	66	62	60	56	-5.8	-5.6	-6	-6.1	60	55	NO	NO	YES
16	16_0106		Residential	G	W	66	61	61	57	66	62	61	57	-5.1	-4.8	-5.4	-5.4	60	55	NO	NO	YES
16	16_0107		Residential	G	W	65	61	60	56	66	62	60	56	-5.5	-5.2	-5.8	-5.8	60	55	NO	NO	YES
16	16_0108		Residential	G	W	65	60	58	54	65	61	58	54	-7	-6.8	-7.4	-7.4	60	55	NO	NO	NO
16	16_0109		Residential	G	N	63	59	58	54	64	60	59	55	-5.1	-4.8	-5.2	-5.3	60	55	NO	NO	NO
16	16_0110		Residential	G	NW	63	58	58	55	63	59	59	55	-4.2	-3.9	-4.3	-4.3	60	55	NO	NO	NO
16	16_0111		Residential	G	NW	63	59	59	55	64	60	59	55	-4.2	-3.9	-4.3	-4.3	60	55	NO	NO	NO
16	16_0112		Residential	G	W	63	59	58	54	63	59	58	54	-4.8	-4.6	-4.9	-5	60	55	NO	NO	NO
16	16_0113		Residential	G	N	62	57	59	55	62	58	59	55	-3	-2.7	-2.9	-3	60	55	NO	NO	NO
16	16_0114		Residential	G	W	64	60	60	56	64	60	60	56	-3.8	-3.6	-3.9	-4	60	55	NO	NO	YES
16	16_0115		Residential	G	NW	63	59	60	56	64	60	61	57	-3.3	-3.1	-3.4	-3.5	60	55	NO	NO	YES
16	16_0116		Residential	G	NW	62	58	59	55	63	59	60	56	-3.2	-3	-3.2	-3.3	60	55	NO	NO	YES
16	16_0117		Residential	G	NW	62	58	59	56	63	59	60	56	-3	-2.7	-3	-3	60	55	NO	NO	YES
16	16_0118		Residential	G	SW	61	57	58	54	62	58	58	54	-3.5	-3.2	-3.5	-3.5	60	55	NO	NO	NO
16	16_0119		Residential	G	SW	62	58	58	54	62	58	59	55	-3.4	-3.2	-3.4	-3.5	60	55	NO	NO	NO
16	16_0120		Residential	G	SW	61	57	58	54	62	58	58	54	-3.6	-3.4	-3.6	-3.7	60	55	NO	NO	NO
16	16_0121		Residential	G	NW	59	55	55	51	59	55	55	51	-3.9	-3.7	-3.8	-3.9	60	55	NO	NO	NO
16	16_0122		Residential	G	NE	58	54	57	53	59	55	57	54	-1.3	-1.1	-1.3	-1.4	60	55	NO	NO	NO
16	16_0123		Residential	G	NE	58	54	57	53	59	55	57	53	-1.5	-1.3	-1.4	-1.4	60	55	NO	NO	NO
16	16_0124		Residential	G	NE	58	54	56	53	58	55	57	53	-1.4	-1.1	-1.4	-1.4	60	55	NO	NO	NO
16	16_0125		Residential	G	NE	57	53	56	52	57	53	56	52	-0.9	-0.7	-0.9	-0.9	60	55	NO	NO	NO
16	16_0126		Residential	G	NE	57	53	56	52	58	54	56	52	-1.5	-1.3	-1.4	-1.5	60	55	NO	NO	NO
16	16_0127		Residential	G	NE	57	53	55	52	57	54	56	52	-1.5	-1.3	-1.4	-1.5	60	55	NO	NO	NO
16	16_0128		Residential	G	NE	55	51	54	50	56	52	54	50	-1.5	-1.2	-1.3	-1.4	60	55	NO	NO	NO
16	16_0128		Residential	1	NW	59	55	56	52	59	56	57	53	-2.8	-2.6	-2.7	-2.8	60	55	NO	NO	NO
16	16_0129		Residential	G	NE	55	51	54	50	55	52	54	50	-1.3	-1.1	-1.2	-1.3	60	55	NO	NO	NO
16	16_0130		Residential	G	NE	55	51	53	50	55	52	54	50	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0131		Residential	G	NE	54	50	53	49	55	51	53	49	-1.6	-1.5	-1.5	-1.6	60	55	NO	NO	NO
16	16_0131		Residential	1	NW	56	52	55	51	57	53	55	51	-1.9	-1.7	-1.8	-1.8	60	55	NO	NO	NO
16	16_0132		Residential	G	NE	54	50	53	49	55	51	53	49	-1.6	-1.5	-1.5	-1.6	60	55	NO	NO	NO
16	16_0133		Residential	G	N	55	50	53	49	55	51	53	49	-2	-1.8	-1.9	-1.9	60	55	NO	NO	NO
16	16_0134		Residential	G	NW	55	51	52	48	55	51	53	49	-2.3	-2.2	-2.2	-2.3	60	55	NO	NO	NO
16	16_0135		Residential	G	W	55	51	53	49	55	52	53	49	-2.3	-2.2	-2.3	-2.4	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0136		Residential	G	W	55	51	52	48	56	52	53	49	-2.7	-2.6	-2.5	-2.7	60	55	NO	NO	NO
16	16_0137		Residential	G	W	56	52	53	49	56	52	54	50	-2.8	-2.7	-2.6	-2.8	60	55	NO	NO	NO
16	16_0138		Residential	G	W	56	52	54	50	56	53	54	50	-2.2	-2.1	-2	-2.3	60	55	NO	NO	NO
16	16_0139		Residential	G	NW	56	52	54	50	56	52	54	50	-2.1	-2	-2	-2.1	60	55	NO	NO	NO
16	16_0140		Residential	G	NW	55	51	53	49	55	51	53	49	-2	-1.9	-1.9	-2	60	55	NO	NO	NO
16	16_0140		Residential	1	NW	57	53	54	51	57	53	55	51	-2.1	-2	-1.8	-2	60	55	NO	NO	NO
16	16_0141		Residential	G	SW	53	49	50	46	54	50	50	46	-3.7	-3.7	-3.5	-3.8	60	55	NO	NO	NO
16	16_0141		Residential	1	SW	55	51	52	48	55	52	53	49	-2.7	-2.6	-2.5	-2.7	60	55	NO	NO	NO
16	16_0142		Residential	G	SW	52	48	47	43	52	48	48	44	-4.4	-4.3	-4.2	-4.5	60	55	NO	NO	NO
16	16_0142		Residential	1	SW	53	49	49	45	53	50	50	46	-3.5	-3.5	-3.3	-3.6	60	55	NO	NO	NO
16	16_0143		Residential	G	SW	53	49	49	45	53	50	50	46	-3.4	-3.4	-3.3	-3.5	60	55	NO	NO	NO
16	16_0143		Residential	1	SW	54	50	51	47	54	51	52	48	-2.9	-2.9	-2.7	-3	60	55	NO	NO	NO
16	16_0144		Residential	G	SW	53	49	50	46	53	50	50	46	-3.2	-3.2	-3	-3.3	60	55	NO	NO	NO
16	16_0144		Residential	1	SW	54	50	51	47	54	51	52	48	-2.6	-2.5	-2.4	-2.7	60	55	NO	NO	NO
16	16_0145		Residential	G	SW	53	49	51	47	54	50	51	47	-2.8	-2.8	-2.6	-2.9	60	55	NO	NO	NO
16	16_0146		Residential	G	SW	53	49	50	46	53	49	51	47	-2.7	-2.7	-2.6	-2.8	60	55	NO	NO	NO
16	16_0146		Residential	1	SW	54	50	51	47	54	50	52	48	-2.4	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0147		Residential	G	W	51	46	49	45	51	47	49	45	-1.9	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0148		Residential	G	W	53	49	51	47	53	50	51	47	-2.4	-2.4	-2.2	-2.4	60	55	NO	NO	NO
16	16_0149		Residential	G	W	54	50	52	48	54	50	52	49	-1.7	-1.5	-1.6	-1.7	60	55	NO	NO	NO
16	16_0150		Residential	G	NW	52	48	50	46	52	48	51	47	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0151		Residential	G	W	53	49	51	47	54	50	52	48	-2	-1.9	-1.9	-2	60	55	NO	NO	NO
16	16_0152		Residential	G	W	54	50	52	48	54	50	53	49	-1.6	-1.5	-1.5	-1.7	60	55	NO	NO	NO
16	16_0153		Residential	G	N	54	50	52	49	55	51	53	49	-1.8	-1.5	-1.6	-1.7	60	55	NO	NO	NO
16	16_0154		Residential	G	N	54	50	53	49	54	50	53	49	-1.2	-1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0155		Residential	G	N	52	47	51	47	52	48	51	47	-1	-0.8	-0.9	-1	60	55	NO	NO	NO
16	16_0155		Residential	1	N	55	51	53	50	55	52	54	50	-1.5	-1.4	-1.3	-1.5	60	55	NO	NO	NO
16	16_0156		Residential	G	N	53	49	52	48	54	50	53	49	-1.4	-1.2	-1.2	-1.3	60	55	NO	NO	NO
16	16_0157		Residential	G	W	56	51	54	50	56	52	54	51	-1.6	-1.5	-1.5	-1.6	60	55	NO	NO	NO
16	16_0158		Residential	G	N	56	52	54	50	56	53	55	51	-1.9	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0159		Residential	G	N	57	53	55	51	57	54	55	52	-2	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0160		Residential	G	N	57	53	55	51	58	54	56	52	-1.9	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0160		Residential	1	W	58	54	56	52	58	54	57	53	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0161		Residential	G	N	57	53	55	51	58	54	56	52	-1.9	-1.8	-1.8	-1.9	60	55	NO	NO	NO
16	16_0161		Residential	1	W	58	54	56	52	58	55	56	53	-1.9	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0162		Residential	G	W	57	53	55	51	57	53	56	52	-1.6	-1.4	-1.5	-1.5	60	55	NO	NO	NO
16	16_0163		Residential	G	N	55	51	54	50	56	52	54	50	-1.4	-1.3	-1.4	-1.5	60	55	NO	NO	NO
16	16_0164		Residential	G	N	58	54	56	52	59	55	56	52	-2.3	-2.1	-2.1	-2.3	60	55	NO	NO	NO
16	16_0165		Residential	G	N	59	55	56	52	59	55	57	53	-2.3	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0166		Residential	G	W	60	56	58	54	60	57	58	54	-2.1	-2	-2	-2.2	60	55	NO	NO	NO
16	16_0166		Residential	1	W	61	57	59	55	62	58	59	55	-2.5	-2.4	-2.3	-2.6	60	55	NO	NO	NO
16	16_0167		Residential	G	NW	59	55	56	52	59	55	57	53	-2.6	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0168		Residential	G	N	60	56	58	54	60	56	59	55	-1.6	-1.5	-1.6	-1.7	60	55	NO	NO	NO
16	16_0169		Residential	G	NE	52	48	51	47	52	48	51	47	-0.9	-0.8	-0.9	-0.9	60	55	NO	NO	NO
16	16_0169		Residential	1	NW	57	53	55	51	58	54	55	51	-2.4	-2.3	-2.3	-2.5	60	55	NO	NO	NO
16	16_0170		Residential	G	W	55	51	53	49	55	51	54	50	-1.7	-1.6	-1.7	-1.8	60	55	NO	NO	NO
16	16_0171		Residential	G	N	54	50	53	49	55	51	53	49	-1.3	-1.1	-1.2	-1.3	60	55	NO	NO	NO
16	16_0172		Residential	G	SW	56	52	54	50	57	53	54	50	-2.7	-2.6	-2.5	-2.7	60	55	NO	NO	NO
16	16_0173		Residential	G	SW	56	52	53	49	56	53	54	50	-2.8	-2.8	-2.6	-2.9	60	55	NO	NO	NO
16	16_0174		Residential	G	SW	55	51	52	49	55	52	53	49	-2.4	-2.3	-2.3	-2.5	60	55	NO	NO	NO
16	16_0174		Residential	1	SW	57	53	55	51	58	54	55	51	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0175		Residential	G	W	54	50	52	48	55	51	52	48	-2.6	-2.5	-2.4	-2.6	60	55	NO	NO	NO
16	16_0175		Residential	1	W	57	53	54	50	57	53	55	51	-2.5	-2.5	-2.4	-2.5	60	55	NO	NO	NO
16	16_0176		Residential	G	W	56	52	54	50	56	53	55	51	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0177		Residential	G	W	57	53	55	51	58	54	56	52	-1.8	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0177		Residential	1	W	58	54	56	53	58	55	57	53	-1.6	-1.5	-1.4	-1.5	60	55	NO	NO	NO
16	16_0178		Residential	G	N	58	54	56	52	58	54	57	53	-1.5	-1.5	-1.4	-1.6	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0179		Residential	G	N	55	51	55	51	55	51	55	51	-0.3	-0.1	-0.1	-0.2	60	55	NO	NO	NO
16	16_0179		Residential	1	W	58	54	56	52	58	54	57	53	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0180		Residential	G	W	53	49	53	49	53	49	54	49	0	0.1	0.1	0	60	55	NO	NO	NO
16	16_0180		Residential	1	W	56	52	56	52	57	53	56	52	-0.6	-0.4	-0.4	-0.5	60	55	NO	NO	NO
16	16_0181		Residential	G	NW	55	51	54	50	55	51	54	50	-1.3	-1.2	-1.2	-1.3	60	55	NO	NO	NO
16	16_0181		Residential	1	NW	58	54	57	53	58	55	57	53	-1.3	-1.2	-1.2	-1.3	60	55	NO	NO	NO
16	16_0182		Residential	G	NE	50	46	51	46	51	47	51	47	0.5	0.6	0.4	0.3	60	55	NO	NO	NO
16	16_0182		Residential	1	NE	54	50	54	50	54	50	55	50	0.2	0.3	0.3	0.2	60	55	NO	NO	NO
16	16_0183		Residential	G	NE	50	46	51	47	51	47	51	47	0.5	0.7	0.5	0.4	60	55	NO	NO	NO
16	16_0183		Residential	1	SW	55	51	53	49	56	52	54	50	-2.4	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0184		Residential	G	SW	54	50	52	48	55	51	53	49	-2.1	-2.1	-1.9	-2.1	60	55	NO	NO	NO
16	16_0184		Residential	1	SW	56	52	54	50	56	53	55	51	-1.9	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0185		Residential	G	SW	54	50	52	48	54	50	53	49	-1.5	-1.3	-1.4	-1.5	60	55	NO	NO	NO
16	16_0185		Residential	1	SW	56	52	54	50	56	52	54	51	-1.8	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0186		Residential	G	SW	53	49	52	48	54	50	53	49	-1.2	-1.1	-1	-1.1	60	55	NO	NO	NO
16	16_0187		Residential	G	NW	56	52	54	50	56	52	55	51	-1.5	-1.4	-1.3	-1.5	60	55	NO	NO	NO
16	16_0188		Residential	G	NW	54	50	53	49	55	51	54	50	-1.1	-1	-0.9	-1.1	60	55	NO	NO	NO
16	16_0188		Residential	1	NW	55	51	54	50	55	52	54	50	-1.1	-1	-1	-1.1	60	55	NO	NO	NO
16	16_0189		Residential	G	SW	52	48	50	46	53	49	51	47	-2.5	-2.4	-2.3	-2.5	60	55	NO	NO	NO
16	16_0189		Residential	1	SW	53	49	51	47	53	50	52	48	-2.1	-2	-1.8	-2.1	60	55	NO	NO	NO
16	16_0190		Residential	G	SW	52	48	49	45	53	49	50	46	-2.8	-2.9	-2.6	-2.9	60	55	NO	NO	NO
16	16_0190		Residential	1	SW	53	49	50	46	53	49	51	47	-2.5	-2.5	-2.4	-2.5	60	55	NO	NO	NO
16	16_0191		Residential	G	SW	52	48	49	45	53	49	50	46	-3.1	-3.1	-2.8	-3.1	60	55	NO	NO	NO
16	16_0191		Residential	1	SW	53	49	50	46	53	50	51	47	-2.6	-2.7	-2.4	-2.7	60	55	NO	NO	NO
16	16_0191		Residential	2	SW	54	50	51	47	54	50	52	48	-2.2	-2.1	-1.9	-2.3	60	55	NO	NO	NO
16	16_0192		Residential	G	SW	47	43	46	42	48	44	46	42	-1.9	-1.8	-1.8	-1.9	60	55	NO	NO	NO
16	16_0192		Residential	1	NE	51	47	51	47	52	48	52	48	0.3	0.4	0.3	0.2	60	55	NO	NO	NO
16	16_0193		Residential	G	NW	55	51	54	50	56	52	55	51	-1.4	-1.3	-1.2	-1.4	60	55	NO	NO	NO
16	16_0193		Residential	1	NW	56	52	55	51	56	52	55	51	-1.2	-1.1	-1.1	-1.3	60	55	NO	NO	NO
16	16_0194		Residential	G	SW	51	47	49	45	52	48	50	46	-2.2	-2.2	-2.1	-2.2	60	55	NO	NO	NO
16	16_0194		Residential	1	SW	54	50	51	47	54	50	52	48	-2.3	-2.2	-2.1	-2.4	60	55	NO	NO	NO
16	16_0195		Residential	G	SW	53	49	51	47	53	50	51	47	-2.3	-2.2	-2.1	-2.2	60	55	NO	NO	NO
16	16_0195		Residential	1	NW	55	51	53	49	55	51	54	49	-1.8	-1.9	-1.6	-1.9	60	55	NO	NO	NO
16	16_0196		Residential	G	W	53	49	51	47	54	50	52	48	-2.2	-2.3	-2.1	-2.3	60	55	NO	NO	NO
16	16_0196		Residential	1	W	54	50	53	49	55	51	53	49	-1.9	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0197		Residential	G	NW	53	49	51	47	54	50	51	47	-2.5	-2.5	-2.3	-2.5	60	55	NO	NO	NO
16	16_0197		Residential	1	SW	55	51	53	49	55	51	53	49	-2.1	-2.1	-2	-2.2	60	55	NO	NO	NO
16	16_0198		Residential	G	NW	53	48	51	47	53	49	52	48	-1.2	-1.1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0199		Residential	G	SW	54	50	51	47	54	51	52	48	-2.6	-2.6	-2.4	-2.7	60	55	NO	NO	NO
16	16_0200		Residential	G	SW	52	48	48	44	52	48	48	45	-3.9	-3.8	-3.6	-3.9	60	55	NO	NO	NO
16	16_0200		Residential	1	SW	54	50	51	47	54	51	52	48	-2.7	-2.7	-2.5	-2.7	60	55	NO	NO	NO
16	16_0201		Residential	G	SW	53	49	50	46	54	50	51	47	-3	-2.9	-2.8	-3	60	55	NO	NO	NO
16	16_0201		Residential	1	SW	55	51	52	48	55	51	53	49	-2.6	-2.5	-2.4	-2.6	60	55	NO	NO	NO
16	16_0202		Residential	G	SW	55	51	53	49	55	52	53	49	-2.4	-2.3	-2.1	-2.4	60	55	NO	NO	NO
16	16_0203		Residential	G	SW	56	52	54	50	56	52	54	50	-2.1	-2	-2	-2.2	60	55	NO	NO	NO
16	16_0203		Residential	1	NW	57	53	55	51	57	53	56	52	-1.6	-1.4	-1.4	-1.6	60	55	NO	NO	NO
16	16_0204		Residential	G	NW	55	50	53	49	55	51	54	50	-1.4	-1.4	-1.4	-1.5	60	55	NO	NO	NO
16	16_0205		Residential	G	SW	56	52	54	50	57	53	55	51	-2.1	-2	-1.9	-2.1	60	55	NO	NO	NO
16	16_0206		Residential	G	W	56	52	54	50	56	52	55	51	-1.5	-1.4	-1.4	-1.5	60	55	NO	NO	NO
16	16_0206		Residential	1	W	58	54	56	52	58	54	57	53	-1.5	-1.5	-1.4	-1.6	60	55	NO	NO	NO
16	16_0207		Residential	G	W	55	51	54	50	56	52	54	50	-1.8	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0207		Residential	1	W	57	53	55	51	58	54	56	52	-1.8	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0208		Residential	G	SW	53	49	52	48	54	50	53	49	-1	-0.9	-0.9	-0.9	60	55	NO	NO	NO
16	16_0208		Residential	1	SW	57	53	54	50	57	53	55	51	-2.3	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0209		Residential	G	NW	56	52	54	50	57	53	55	51	-2.3	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0210		Residential	G	NW	56	52	53	49	56	52	54	50	-2.5	-2.4	-2.3	-2.6	60	55	NO	NO	NO
16	16_0210		Residential	1	NW	57	53	55	51	58	54	56	52	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0211		Residential	G	SW	53	49	48	44	53	50	49	45	-4.6	-4.6	-4.4	-4.7	60	55	NO	NO	NO
16	16_0211		Residential	1	SW	53	48	51	47	53	49	52	48	-1.3	-1.1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0212		Residential	G	SW	55	51	52	48	55	52	53	49	-2.9	-2.8	-2.7	-2.9	60	55	NO	NO	NO
16	16_0213		Residential	G	SW	55	51	53	49	55	52	53	49	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0214		Residential	G	SW	55	51	53	49	55	52	53	49	-2.3	-2.2	-2.1	-2.4	60	55	NO	NO	NO
16	16_0215		Residential	G	SW	55	51	53	49	55	52	53	49	-2.1	-2.1	-2	-2.1	60	55	NO	NO	NO
16	16_0216		Residential	G	SW	54	50	52	49	55	51	53	49	-2	-1.9	-1.8	-2.1	60	55	NO	NO	NO
16	16_0217		Residential	G	SW	52	48	49	46	53	49	50	46	-2.9	-2.8	-2.7	-2.9	60	55	NO	NO	NO
16	16_0217		Residential	1	SW	54	50	51	47	54	50	52	48	-2.4	-2.4	-2.2	-2.5	60	55	NO	NO	NO
16	16_0218		Residential	G	NW	53	49	51	47	54	50	52	48	-1.9	-1.9	-1.8	-2.1	60	55	NO	NO	NO
16	16_0219		Residential	G	SW	52	48	50	46	53	49	50	46	-2.4	-2.4	-2.2	-2.5	60	55	NO	NO	NO
16	16_0220		Residential	G	W	52	48	49	45	52	48	50	46	-2.4	-2.4	-2.2	-2.5	60	55	NO	NO	NO
16	16_0220		Residential	1	W	53	49	50	46	53	49	51	47	-2.5	-2.4	-2.3	-2.6	60	55	NO	NO	NO
16	16_0221		Residential	G	SW	51	47	49	45	52	48	49	45	-2.5	-2.5	-2.4	-2.6	60	55	NO	NO	NO
16	16_0221		Residential	1	SW	53	49	51	47	53	50	51	47	-2.4	-2.3	-2.2	-2.5	60	55	NO	NO	NO
16	16_0222		Residential	G	W	53	49	50	46	53	49	51	47	-2.3	-2.3	-2.1	-2.3	60	55	NO	NO	NO
16	16_0222		Residential	1	W	53	49	51	47	54	50	52	48	-2	-2	-1.8	-2	60	55	NO	NO	NO
16	16_0223		Residential	G	W	50	46	48	44	51	47	49	45	-2.3	-2.3	-2.1	-2.3	60	55	NO	NO	NO
16	16_0223		Residential	1	W	52	48	50	46	52	49	50	46	-2.4	-2.3	-2.2	-2.5	60	55	NO	NO	NO
16	16_0224		Residential	G	NW	53	49	51	47	53	50	52	48	-1.8	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0225		Residential	G	NE	48	44	48	44	49	45	49	45	0.3	0.4	0.4	0.2	60	55	NO	NO	NO
16	16_0225		Residential	1	NW	54	50	52	48	54	50	52	48	-1.7	-1.6	-1.5	-1.7	60	55	NO	NO	NO
16	16_0226		Residential	G	N	54	50	52	48	54	51	53	49	-1.7	-1.6	-1.5	-1.7	60	55	NO	NO	NO
16	16_0226		Residential	1	N	54	50	53	49	55	51	53	49	-1.7	-1.6	-1.5	-1.7	60	55	NO	NO	NO
16	16_0227		Residential	G	NW	54	50	53	49	54	51	53	49	-1.2	-1.1	-1	-1.2	60	55	NO	NO	NO
16	16_0227		Residential	1	NW	55	51	53	49	55	51	54	50	-1.5	-1.4	-1.3	-1.5	60	55	NO	NO	NO
16	16_0228		Residential	G	N	53	49	52	48	54	50	53	49	-1	-0.8	-0.8	-0.9	60	55	NO	NO	NO
16	16_0228		Residential	1	N	54	50	53	49	55	51	54	50	-1.5	-1.4	-1.3	-1.5	60	55	NO	NO	NO
16	16_0228		Residential	2	N	55	51	53	50	55	52	54	50	-1.7	-1.5	-1.4	-1.6	60	55	NO	NO	NO
16	16_0229		Residential	G	N	51	47	50	46	52	48	51	47	-0.8	-0.6	-0.7	-0.7	60	55	NO	NO	NO
16	16_0229		Residential	1	N	54	50	52	48	54	50	53	49	-1.3	-1.1	-1.1	-1.3	60	55	NO	NO	NO
16	16_0229		Residential	2	N	55	51	53	50	55	52	54	50	-1.6	-1.5	-1.4	-1.6	60	55	NO	NO	NO
16	16_0230		Residential	G	N	52	47	51	46	52	48	51	47	-1	-0.9	-0.9	-1	60	55	NO	NO	NO
16	16_0230		Residential	1	N	55	51	54	50	55	52	54	50	-1.2	-1.1	-1.1	-1.3	60	55	NO	NO	NO
16	16_0231		Residential	G	N	54	50	54	50	55	51	54	50	-0.7	-0.4	-0.5	-0.6	60	55	NO	NO	NO
16	16_0231		Residential	1	N	56	52	55	51	56	53	55	51	-1.2	-1.1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0232		Residential	G	N	54	50	54	50	55	51	54	50	-0.6	-0.4	-0.5	-0.6	60	55	NO	NO	NO
16	16_0232		Residential	1	N	56	52	55	51	57	53	56	52	-1.2	-1	-1.1	-1.2	60	55	NO	NO	NO
16	16_0233		Residential	G	N	54	50	53	49	54	50	53	49	-1.2	-1.1	-1.1	-1.3	60	55	NO	NO	NO
16	16_0233		Residential	1	N	57	53	55	52	58	54	56	52	-1.9	-1.8	-1.6	-1.9	60	55	NO	NO	NO
16	16_0234		Residential	G	N	55	51	53	49	55	51	53	49	-2.3	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0234		Residential	1	N	57	53	55	52	58	54	56	52	-1.9	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0235		Residential	G	W	57	53	55	52	57	54	56	52	-1.7	-1.5	-1.5	-1.7	60	55	NO	NO	NO
16	16_0235		Residential	1	W	58	54	56	52	58	54	56	53	-1.9	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0235		Residential	2	W	58	54	56	52	59	55	57	53	-1.9	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0236		Residential	G	N	56	51	55	51	56	52	55	51	-0.9	-0.8	-0.9	-1	60	55	NO	NO	NO
16	16_0236		Residential	1	N	58	54	56	52	58	55	57	53	-1.7	-1.6	-1.6	-1.8	60	55	NO	NO	NO
16	16_0237		Residential	G	N	58	54	56	52	58	55	57	53	-1.8	-1.6	-1.7	-1.8	60	55	NO	NO	NO
16	16_0238		Residential	G	N	58	54	56	52	59	55	57	53	-1.9	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0238		Residential	1	N	59	55	57	53	60	56	57	54	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0239		Residential	G	N	58	54	57	53	59	55	58	54	-1.3	-1.3	-1.2	-1.4	60	55	NO	NO	NO
16	16_0239		Residential	1	N	60	56	58	54	61	57	58	55	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0239		Residential	2	W	61	57	59	55	61	58	59	55	-2.4	-2.3	-2.2	-2.4	60	55	NO	NO	NO
16	16_0240		Residential	G	W	60	56	58	54	60	57	58	54	-2.4	-2.4	-2.3	-2.5	60	55	NO	NO	NO
16	16_0240		Residential	1	W	61	57	58	54	61	57	59	55	-2.4	-2.4	-2.2	-2.4	60	55	NO	NO	NO
16	16_0241		Residential	G	N	60	56	58	54	60	56	58	54	-2.1	-2.1	-2	-2.3	60	55	NO	NO	NO
16	16_0241		Residential	1	N	61	57	59	55	62	58	59	55	-2.5	-2.4	-2.3	-2.6	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0242		Residential	G	N	59	55	57	53	59	56	57	53	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0242		Residential	1	N	61	57	59	55	62	58	59	55	-2.4	-2.4	-2.3	-2.6	60	55	NO	NO	NO
16	16_0243		Residential	G	W	61	57	58	54	61	57	59	55	-2.2	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0243		Residential	1	W	62	58	60	56	63	59	60	56	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0244		Residential	G	W	60	56	58	54	61	57	59	55	-2.3	-2.2	-2.2	-2.3	60	55	NO	NO	NO
16	16_0244		Residential	1	W	62	58	60	56	62	59	60	56	-2.4	-2.3	-2.3	-2.5	60	55	NO	NO	NO
16	16_0245		Residential	G	W	62	58	60	56	62	58	60	56	-2.1	-2.1	-2	-2.2	60	55	NO	NO	NO
16	16_0246		Residential	G	NW	62	58	60	56	62	59	60	56	-2.1	-1.9	-1.9	-2.1	60	55	NO	NO	NO
16	16_0247		Residential	G	NW	61	57	59	55	61	57	60	56	-1.8	-1.7	-1.6	-1.9	60	55	NO	NO	NO
16	16_0248		Residential	G	N	59	55	57	53	60	56	58	54	-2.3	-2.2	-2.1	-2.4	60	55	NO	NO	NO
16	16_0248		Residential	1	W	61	57	59	55	61	57	59	56	-1.6	-1.6	-1.5	-1.7	60	55	NO	NO	NO
16	16_0249		Residential	G	NW	59	55	57	53	60	56	58	54	-2.1	-2.1	-2	-2.2	60	55	NO	NO	NO
16	16_0249		Residential	1	NW	60	56	58	55	61	57	59	55	-1.7	-1.5	-1.5	-1.7	60	55	NO	NO	NO
16	16_0250		Residential	G	W	59	55	57	53	60	56	58	54	-2.3	-2.2	-2.1	-2.4	60	55	NO	NO	NO
16	16_0251		Residential	G	W	60	56	58	54	60	56	58	54	-2.1	-1.9	-1.8	-2	60	55	NO	NO	NO
16	16_0252		Residential	G	W	58	54	57	53	59	55	58	54	-0.8	-0.7	-0.8	-0.9	60	55	NO	NO	NO
16	16_0253		Residential	G	W	60	56	58	54	60	57	59	55	-1.6	-1.5	-1.5	-1.7	60	55	NO	NO	NO
16	16_0254		Residential	G	W	59	55	58	54	60	56	58	54	-1.8	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0254		Residential	1	W	61	57	59	55	61	57	60	56	-1.4	-1.4	-1.4	-1.6	60	55	NO	NO	NO
16	16_0255		Residential	G	W	59	55	58	54	59	56	58	54	-1.5	-1.4	-1.4	-1.6	60	55	NO	NO	NO
16	16_0256		Residential	G	W	58	54	57	53	59	55	57	53	-1.5	-1.4	-1.4	-1.6	60	55	NO	NO	NO
16	16_0256		Residential	1	W	60	56	59	55	60	57	59	55	-1.2	-1.2	-1.1	-1.3	60	55	NO	NO	NO
16	16_0257		Residential	G	W	58	54	57	53	58	55	57	53	-1.3	-1.4	-1.3	-1.4	60	55	NO	NO	NO
16	16_0257		Residential	1	W	60	56	59	55	60	56	59	55	-1.1	-1.1	-1	-1.1	60	55	NO	NO	NO
16	16_0258		Residential	G	W	55	51	55	51	56	52	56	52	0.1	0.3	0.1	0	60	55	NO	NO	NO
16	16_0258		Residential	1	W	59	54	59	54	59	55	59	55	-0.2	0	-0.2	-0.3	60	55	NO	NO	NO
16	16_0259		Residential	G	SW	57	53	56	52	58	54	56	52	-1.2	-1.2	-1.2	-1.3	60	55	NO	NO	NO
16	16_0259		Residential	1	SW	59	55	58	54	60	56	59	55	-0.9	-0.9	-0.9	-1.1	60	55	NO	NO	NO
16	16_0260		Residential	G	W	56	52	54	50	56	52	55	51	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0260		Residential	1	W	56	52	55	51	56	53	55	51	-1.4	-1.3	-1.3	-1.4	60	55	NO	NO	NO
16	16_0261		Residential	G	W	57	53	56	52	57	53	57	53	-0.7	-0.5	-0.6	-0.7	60	55	NO	NO	NO
16	16_0262		Residential	G	W	56	52	56	52	57	52	56	52	-0.1	0	-0.2	-0.2	60	55	NO	NO	NO
16	16_0263		Residential	G	NE	57	53	56	52	58	54	56	52	-1.6	-1.4	-1.5	-1.5	60	55	NO	NO	NO
16	16_0263		Residential	1	SW	60	56	60	55	60	56	60	56	-0.3	-0.2	-0.3	-0.4	60	55	NO	NO	NO
16	16_0264		Residential	G	NW	60	56	58	54	60	56	59	55	-1.7	-1.6	-1.6	-1.8	60	55	NO	NO	NO
16	16_0264		Residential	1	NW	61	57	59	56	61	58	60	56	-1.5	-1.3	-1.4	-1.6	60	55	NO	NO	NO
16	16_0265		Residential	G	NW	61	57	60	56	62	58	60	56	-1.5	-1.2	-1.3	-1.4	60	55	NO	NO	NO
16	16_0265		Residential	1	NW	63	59	62	58	63	59	62	59	-1	-0.7	-0.8	-0.9	60	55	NO	NO	YES
16	16_0266		Residential	G	NW	52	48	52	48	53	49	53	49	-0.1	0.1	0	0	60	55	NO	NO	NO
16	16_0266		Residential	1	NW	61	57	59	55	62	58	60	56	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0267		Residential	G	W	60	56	58	54	61	57	59	55	-2.1	-1.9	-1.9	-2.1	60	55	NO	NO	NO
16	16_0267		Residential	1	W	62	58	60	56	62	58	60	56	-1.8	-1.7	-1.6	-1.8	60	55	NO	NO	NO
16	16_0268		Residential	G	W	61	57	59	55	62	58	60	56	-1.7	-1.5	-1.6	-1.8	60	55	NO	NO	NO
16	16_0268		Residential	1	W	63	59	62	58	64	60	63	59	-1.1	-0.9	-1.1	-1.1	60	55	NO	NO	YES
16	16_0269		Residential	G	W	63	59	62	58	63	59	63	59	-0.4	-0.2	-0.3	-0.3	60	55	NO	NO	NO
16	16_0269		Residential	1	W	65	61	65	61	66	62	65	61	-0.4	-0.2	-0.3	-0.4	60	55	YES	YES	YES
16	16_0270		Residential	G	N	59	55	58	54	59	55	59	55	-0.7	-0.5	-0.7	-0.6	60	55	NO	NO	NO
16	16_0270		Residential	1	W	62	58	61	57	62	58	61	57	-1.2	-0.9	-1	-1	60	55	NO	NO	NO
16	16_0271		Residential	G	W	65	61	65	61	65	62	65	61	-0.2	0.1	-0.1	-0.1	60	55	YES	YES	YES
16	16_0271		Residential	1	W	67	63	66	62	67	63	67	63	-0.3	-0.1	-0.1	-0.2	60	55	YES	YES	YES
16	16_0272		Residential	G	W	65	61	65	61	65	61	65	61	-0.1	0.2	0.1	0	60	55	YES	YES	YES
16	16_0272		Residential	1	W	66	62	66	62	67	63	67	63	-0.1	0.2	0	0	60	55	YES	YES	YES
16	16_0273		Residential	G	SW	62	58	62	58	63	59	63	59	0	0.1	0	-0.1	60	55	NO	NO	NO
16	16_0274		Residential	G	W	68	64	68	64	69	65	68	64	-0.4	-0.2	-0.3	-0.4	60	55	YES	YES	YES
16	16_0274		Residential	1	W	70	66	70	66	70	67	70	67	-0.1	0.2	0	-0.1	60	55	YES	YES	YES
16	16_0275		Residential	G	W	65	61	65	61	65	62	66	62	0.1	0.3	0.2	0.1	60	55	YES	YES	YES
16	16_0275		Residential	1	W	68	64	68	64	68	65	68	64	-0.2	0	-0.1	-0.2	60	55	YES	YES	YES

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0276		Residential	G	W	68	63	67	63	68	64	68	64	-0.4	-0.2	-0.4	-0.5	60	55	YES	YES	YES
16	16_0277		Residential	G	W	68	64	67	63	68	64	68	64	-0.5	-0.4	-0.5	-0.7	60	55	YES	YES	YES
16	16_0278		Residential	G	W	67	63	66	62	68	64	67	63	-0.9	-0.7	-0.8	-0.9	60	55	YES	YES	YES
16	16_0279		Residential	G	W	65	61	64	60	66	62	65	61	-1	-0.8	-0.9	-1	60	55	YES	YES	YES
16	16_0279		Residential	1	W	68	63	67	63	68	64	67	63	-0.9	-0.8	-0.8	-1.1	60	55	YES	YES	YES
16	16_0280		Residential	G	NW	65	61	64	60	66	62	65	61	-1	-0.8	-0.9	-1.1	60	55	NO	YES	YES
16	16_0281		Residential	G	NW	64	60	62	58	64	60	62	58	-2.1	-2.1	-2.1	-2.3	60	55	NO	NO	YES
16	16_0282		Residential	G	NW	62	58	59	55	62	58	60	56	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0282		Residential	1	NW	64	60	61	58	65	61	62	58	-2.8	-2.6	-2.7	-2.9	60	55	NO	NO	YES
16	16_0283		Residential	G	NW	61	57	57	54	61	58	58	54	-3.4	-3.3	-3.3	-3.5	60	55	NO	NO	NO
16	16_0284		Residential	G	NW	62	58	58	55	62	58	59	55	-3.2	-3.1	-3.1	-3.3	60	55	NO	NO	NO
16	16_0285		Residential	G	NW	61	57	57	53	61	57	58	54	-3.4	-3.3	-3.3	-3.5	60	55	NO	NO	NO
16	16_0286		Residential	G	NW	58	54	55	52	59	55	56	52	-3	-2.8	-2.9	-3	60	55	NO	NO	NO
16	16_0286		Residential	1	NW	61	57	58	54	61	58	58	55	-3.1	-3	-3	-3.2	60	55	NO	NO	NO
16	16_0287		Residential	G	NW	59	55	57	53	60	56	58	54	-2.2	-1.9	-2	-2.2	60	55	NO	NO	NO
16	16_0288		Residential	G	N	58	54	54	50	58	54	55	51	-3.5	-3.4	-3.4	-3.7	60	55	NO	NO	NO
16	16_0288		Residential	1	W	62	58	58	54	62	58	59	55	-3.6	-3.5	-3.6	-3.8	60	55	NO	NO	NO
16	16_0289		Residential	G	N	60	56	56	52	60	56	57	53	-3.5	-3.4	-3.5	-3.6	60	55	NO	NO	NO
16	16_0290		Residential	G	W	61	57	56	52	61	58	57	53	-4.9	-4.7	-4.9	-5	60	55	NO	NO	NO
16	16_0290		Residential	1	W	63	59	59	55	64	60	59	55	-4.5	-4.4	-4.5	-4.7	60	55	NO	NO	NO
16	16_0291		Residential	G	W	61	57	56	52	62	58	57	53	-4.6	-4.5	-4.6	-4.7	60	55	NO	NO	NO
16	16_0292		Residential	G	W	60	56	56	52	61	57	57	53	-3.7	-3.5	-3.7	-3.8	60	55	NO	NO	NO
16	16_0292		Residential	1	W	62	58	59	55	63	59	59	55	-3.9	-3.8	-3.9	-4.1	60	55	NO	NO	NO
16	16_0293		Residential	G	W	60	56	57	53	60	57	58	54	-2.7	-2.6	-2.7	-2.9	60	55	NO	NO	NO
16	16_0293		Residential	1	W	62	58	60	56	63	59	60	56	-2.9	-2.8	-2.9	-3.1	60	55	NO	NO	NO
16	16_0294		Residential	G	NW	67	63	66	62	68	64	67	63	-1.2	-1	-1.2	-1.3	60	55	YES	YES	YES
16	16_0295		Residential	G	SW	67	63	66	62	68	64	66	62	-1.4	-1.3	-1.5	-1.6	60	55	YES	YES	YES
16	16_0296		Residential	G	W	68	64	65	61	68	64	66	62	-2.5	-2.5	-2.6	-2.9	60	55	YES	YES	YES
16	16_0297		Residential	G	W	67	63	63	59	68	64	64	60	-3.4	-3.4	-3.6	-3.8	60	55	NO	NO	YES
16	16_0297		Residential	1	W	69	65	65	61	70	66	66	62	-3.6	-3.7	-3.7	-4	60	55	YES	YES	YES
16	16_0298		Residential	G	W	66	61	61	57	66	62	62	58	-4.2	-4.1	-4.4	-4.5	60	55	NO	NO	YES
16	16_0299		Residential	G	W	65	61	60	56	66	62	61	57	-5	-4.9	-5.2	-5.4	60	55	NO	NO	YES
16	16_0300		Residential	G	W	63	59	57	53	64	60	58	54	-6.1	-5.9	-6.2	-6.3	60	55	NO	NO	NO
16	16_0301		Residential	G	W	65	60	59	55	65	61	59	55	-5.6	-5.5	-5.9	-6	60	55	NO	NO	NO
16	16_0302		Residential	G	W	64	60	58	54	65	61	59	55	-5.8	-5.6	-6	-6.1	60	55	NO	NO	NO
16	16_0303		Residential	G	E	59	55	57	53	60	56	58	54	-1.7	-1.5	-1.8	-1.8	60	55	NO	NO	NO
16	16_0304		Residential	G	N	65	60	59	55	65	61	60	55	-5.6	-5.4	-5.8	-5.9	60	55	NO	NO	NO
16	16_0305		Residential	G	W	63	59	58	54	63	59	59	55	-4.5	-4.2	-4.6	-4.6	60	55	NO	NO	NO
16	16_0306		Residential	G	W	62	58	58	54	62	58	58	54	-4	-3.8	-4	-4.1	60	55	NO	NO	NO
16	16_0307		Residential	G	N	61	57	57	53	61	57	58	54	-3.6	-3.4	-3.6	-3.7	60	55	NO	NO	NO
16	16_0308		Residential	G	NW	61	56	57	53	61	57	58	54	-3.4	-3.1	-3.3	-3.4	60	55	NO	NO	NO
16	16_0309		Residential	G	W	59	55	57	53	60	56	57	53	-2.4	-2.1	-2.4	-2.4	60	55	NO	NO	NO
16	16_0310		Residential	G	W	60	56	57	53	60	57	57	53	-3.2	-3	-3.2	-3.3	60	55	NO	NO	NO
16	16_0311		Residential	G	N	58	54	56	52	59	55	56	53	-2.2	-1.9	-2.2	-2.2	60	55	NO	NO	NO
16	16_0312		Residential	G	N	58	54	56	52	58	54	56	52	-2	-1.9	-2	-2	60	55	NO	NO	NO
16	16_0313		Residential	G	W	58	54	55	51	58	55	56	52	-2.7	-2.5	-2.6	-2.8	60	55	NO	NO	NO
16	16_0314		Residential	G	W	58	54	56	52	59	55	56	52	-2.6	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0315		Residential	G	NW	58	54	56	52	59	55	56	52	-2.5	-2.4	-2.5	-2.7	60	55	NO	NO	NO
16	16_0316		Residential	G	W	59	55	56	52	59	55	57	53	-2.4	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0317		Residential	G	W	58	54	56	53	58	55	57	53	-1.5	-1.2	-1.5	-1.5	60	55	NO	NO	NO
16	16_0318		Residential	G	NW	58	54	56	52	58	55	57	53	-1.9	-1.7	-1.8	-1.9	60	55	NO	NO	NO
16	16_0318		Residential	1	NW	60	56	58	54	61	57	58	55	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0319		Residential	G	NW	59	55	57	53	60	56	58	54	-2.2	-2.1	-2.1	-2.3	60	55	NO	NO	NO
16	16_0319		Residential	1	NW	61	57	59	55	62	58	59	55	-2.5	-2.4	-2.4	-2.6	60	55	NO	NO	NO
16	16_0320		Residential	G	NW	60	56	58	54	60	57	59	55	-2	-1.8	-1.9	-2.1	60	55	NO	NO	NO
16	16_0321		Residential	G	NW	57	53	55	51	58	54	56	52	-2.4	-2.3	-2.3	-2.5	60	55	NO	NO	NO
16	16_0321		Residential	1	NW	60	56	57	53	60	56	58	54	-2.2	-2.1	-2	-2.2	60	55	NO	NO	NO

NCA	NCA ID	Receiver Description	Receiver Type	Facade		Opening Year				Design Year				Increase (Build - No Build)				NCG project road noise criteria		Is the contribution from the road project Acute?		Consider further treatment?
						No Build		Build		No Build		Build		Opening Year		Design Year						
				Floor	Orientation	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	Day	Night	
						dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	dB(A)	≥ 65dB LAeq,15h	≥ 60dB LAeq,9h	
16	16_0322		Residential	G	W	58	54	56	52	58	55	57	53	-1.9	-1.7	-1.7	-1.9	60	55	NO	NO	NO
16	16_0322		Residential	1	N	59	55	57	53	59	56	58	54	-2	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0323		Residential	G	N	57	53	55	51	57	54	55	51	-2.2	-2.1	-2.1	-2.3	60	55	NO	NO	NO
16	16_0323		Residential	1	N	59	55	56	52	59	55	57	53	-2.4	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0324		Residential	G	N	55	51	53	49	55	51	53	49	-2.1	-2	-1.9	-2.1	60	55	NO	NO	NO
16	16_0324		Residential	1	N	57	53	55	51	57	54	55	51	-2.2	-2.2	-2.1	-2.3	60	55	NO	NO	NO
16	16_0325		Residential	G	N	54	50	52	48	55	51	52	48	-2.6	-2.5	-2.5	-2.6	60	55	NO	NO	NO
16	16_0325		Residential	1	N	57	53	55	51	57	54	55	51	-2.3	-2.2	-2.1	-2.4	60	55	NO	NO	NO
16	16_0326		Residential	G	N	55	51	53	49	55	52	53	49	-2.2	-2.1	-2	-2.2	60	55	NO	NO	NO
16	16_0327		Residential	G	N	54	50	53	49	55	51	53	49	-1.5	-1.4	-1.4	-1.6	60	55	NO	NO	NO
16	16_0327		Residential	1	N	57	53	55	51	57	53	55	51	-1.9	-1.8	-1.8	-2	60	55	NO	NO	NO
16	16_0328		Residential	G	N	56	52	54	50	56	52	54	51	-1.6	-1.5	-1.5	-1.6	60	55	NO	NO	NO
16	16_0328		Residential	1	N	57	53	55	51	57	53	55	51	-2	-1.9	-1.8	-2.1	60	55	NO	NO	NO
16	16_0329		Residential	G	N	55	51	53	49	55	52	54	50	-1.8	-1.7	-1.7	-1.8	60	55	NO	NO	NO
16	16_0329		Residential	1	N	56	52	54	50	57	53	55	51	-1.9	-1.8	-1.7	-1.9	60	55	NO	NO	NO
16	16_0330		Residential	G	N	54	50	52	48	54	50	53	49	-1.3	-1.3	-1.3	-1.3	60	55	NO	NO	NO
16	16_0330		Residential	1	N	55	51	53	50	55	52	54	50	-1.7	-1.5	-1.5	-1.7	60	55	NO	NO	NO
16	16_0331		Residential	G	N	56	52	54	50	56	52	54	50	-1.9	-1.8	-1.8	-1.9	60	55	NO	NO	NO
16	16_0332		Residential	G	N	55	51	54	50	56	52	54	50	-1.7	-1.6	-1.6	-1.7	60	55	NO	NO	NO
16	16_0332		Residential	1	W	57	53	55	51	57	53	55	51	-2	-1.9	-1.9	-2.1	60	55	NO	NO	NO
16	16_0333		Residential	G	N	56	52	53	49	56	52	54	50	-2.4	-2.3	-2.3	-2.4	60	55	NO	NO	NO
16	16_0333		Residential	1	N	57	53	55	51	57	54	55	52	-2.1	-1.9	-1.9	-2.1	60	55	NO	NO	NO
16	16_0334		Residential	G	NW	57	53	55	51	57	53	56	52	-1.7	-1.5	-1.6	-1.7	60	55	NO	NO	NO
16	16_0334		Residential	1	NW	58	54	56	52	58	54	56	52	-2	-1.9	-1.9	-2.1	60	55	NO	NO	NO
16	16_0335		Residential	G	W	56	52	54	50	56	53	54	50	-2.4	-2.1	-2.2	-2.4	60	55	NO	NO	NO
16	16_0336		Residential	G	W	56	52	54	50	57	53	55	51	-2.2	-1.9	-2	-2.2	60	55	NO	NO	NO
16	16_0336		Residential	1	W	57	53	55	51	58	54	55	52	-2.3	-2.2	-2.2	-2.4	60	55	NO	NO	NO
16	16_0337		Residential	G	N	56	52	54	50	56	52	55	51	-1.8	-1.6	-1.7	-1.8	60	55	NO	NO	NO
16	16_0337		Residential	1	W	59	55	56	53	59	55	57	53	-2.4	-2.2	-2.3	-2.4	60	55	NO	NO	NO
16	16_0338		Residential	G	W	57	53	55	51	57	54	55	51	-2.1	-2	-2	-2.1	60	55	NO	NO	NO

APPENDIX G Properties to be considered for treatment

Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:
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inspired to achieve
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1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:
NSW GOVERNMENT Transport Roads & Maritime Services

Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 1-2

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.01 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3

Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

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NSW GOVERNMENT Transport Roads & Maritime Services

Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 3-4

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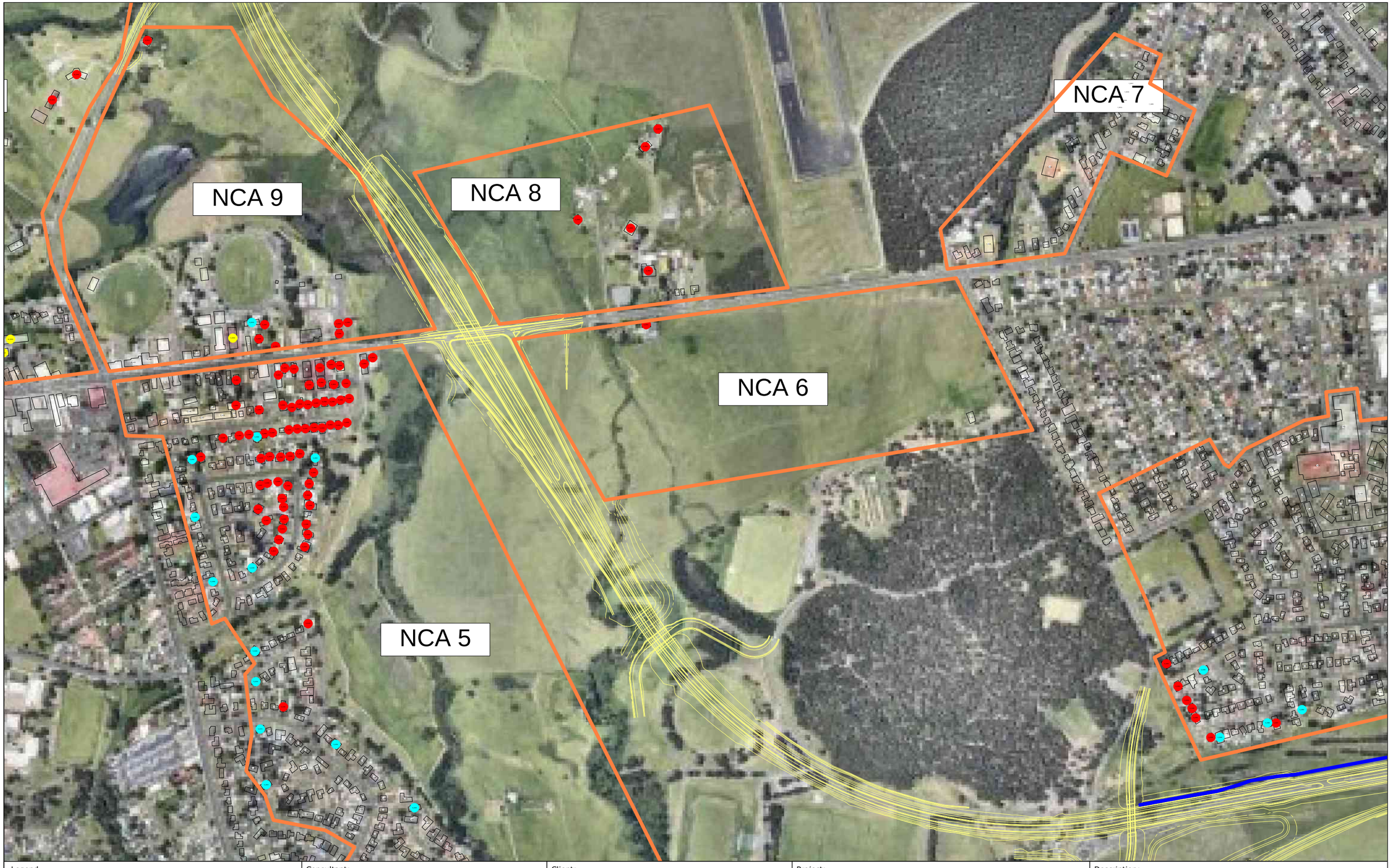
Fig Ref:	TH508-03.5.T10.01.02 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3



Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:
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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT
WITH MITIGATION
NCA 5-9

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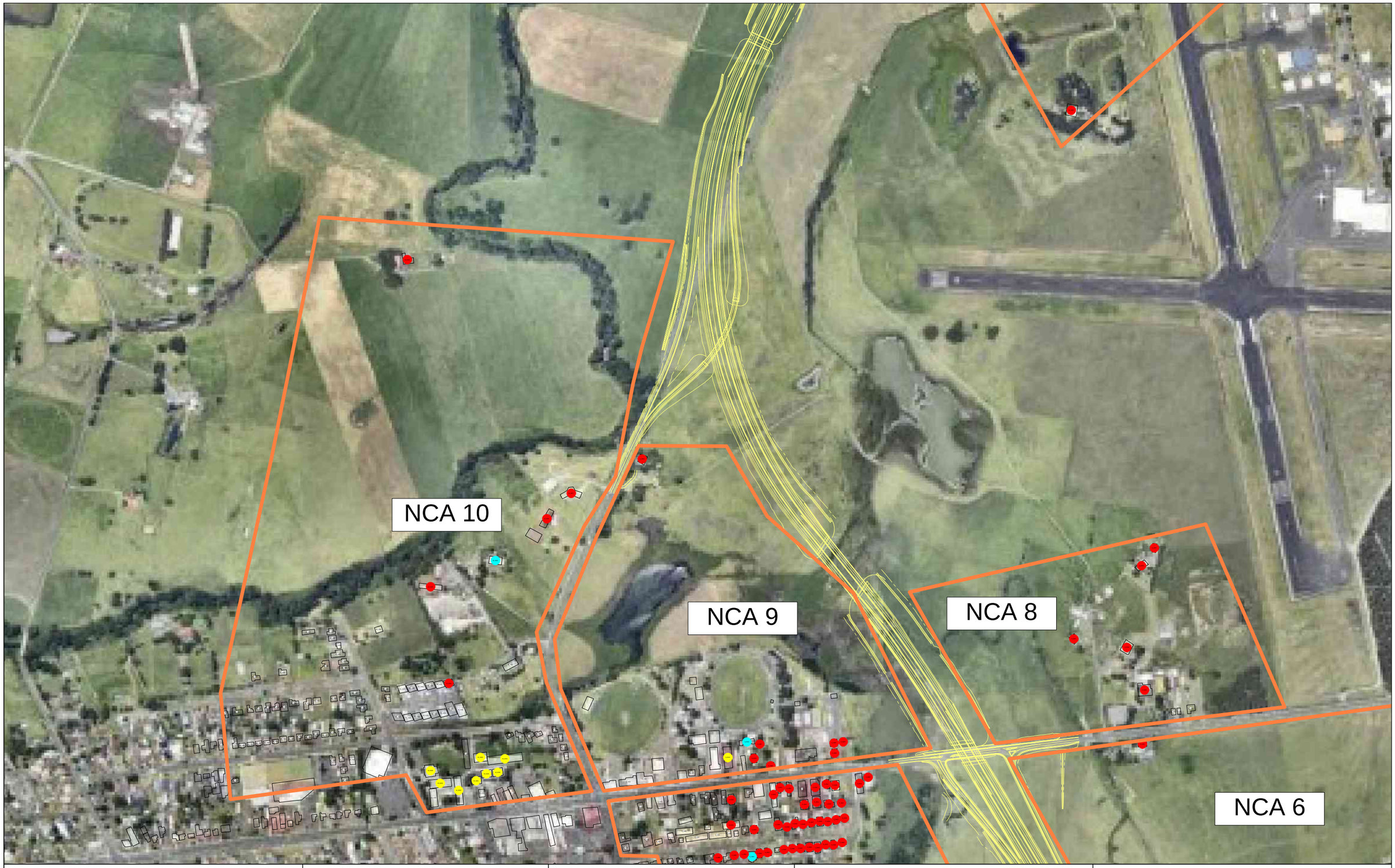
Date:	2017.06.21	Scale:	1: 6500 A3



Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 10

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Fig Ref:	TH508-03.5.T10.01.04 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3

NCA 11

Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:

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Description:

RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 11

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.05 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3

Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:

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Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

RECEIVERS CONSIDERED FOR TREATMENT
WITH MITIGATION
NCA 12-13

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Fig Ref:	TH508-03.5.T10.01.06 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3

Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:
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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 14

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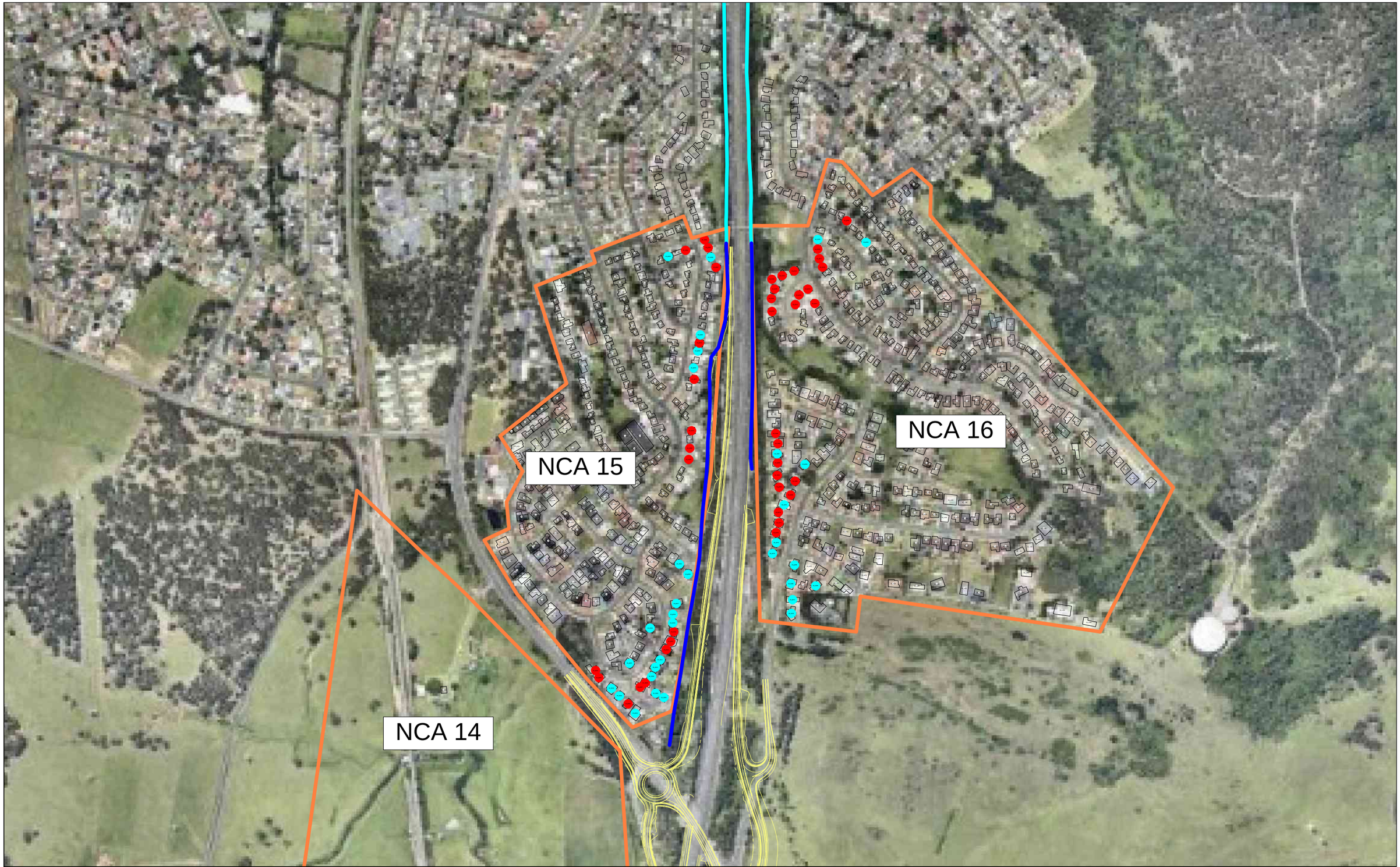
Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.07 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3



Legend

- Existing noise wall
- Proposed noise wall
- Considered for treatment (single storey dwelling)
- Considered for treatment (double storey dwelling)
- Considered for treatment (other sensitive receiver)

Consultant:
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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
RECEIVERS CONSIDERED FOR TREATMENT WITH MITIGATION
NCA 15-16

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Project No.:	TH508-03	Created by:	RP
Fig Ref:	TH508-03.5.T10.01.08 (r3)	Grid:	-
Date:	2017.06.21	Scale:	1: 6500 A3

APPENDIX H Extended hours - noise affected properties

Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 1

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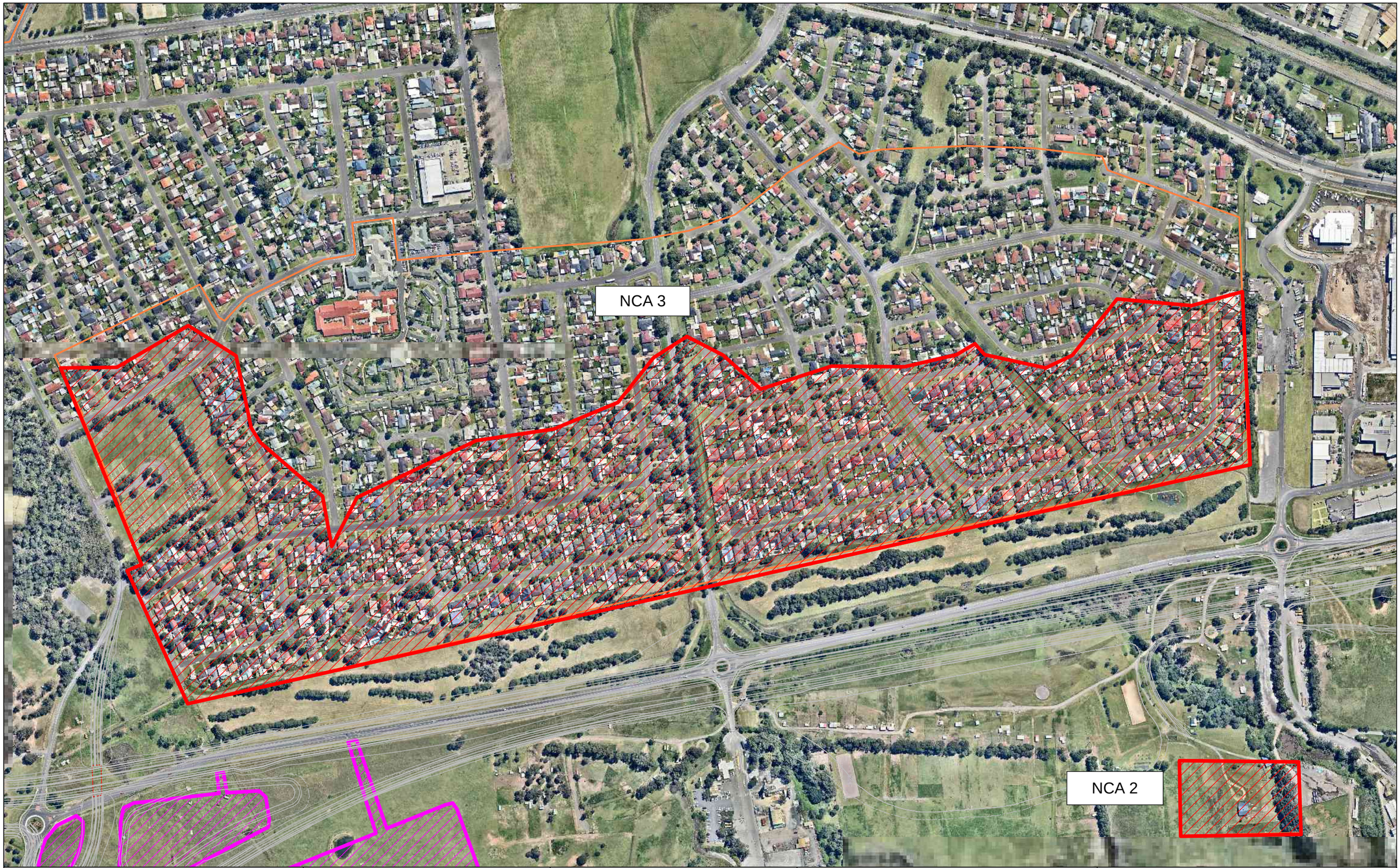
Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P09 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3



Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:
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1/418A Elizabeth Street, SURRY HILLS NSW 2010
P: 02 8218 0500 F: 02 8218 0501

Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 2 & NCA 3

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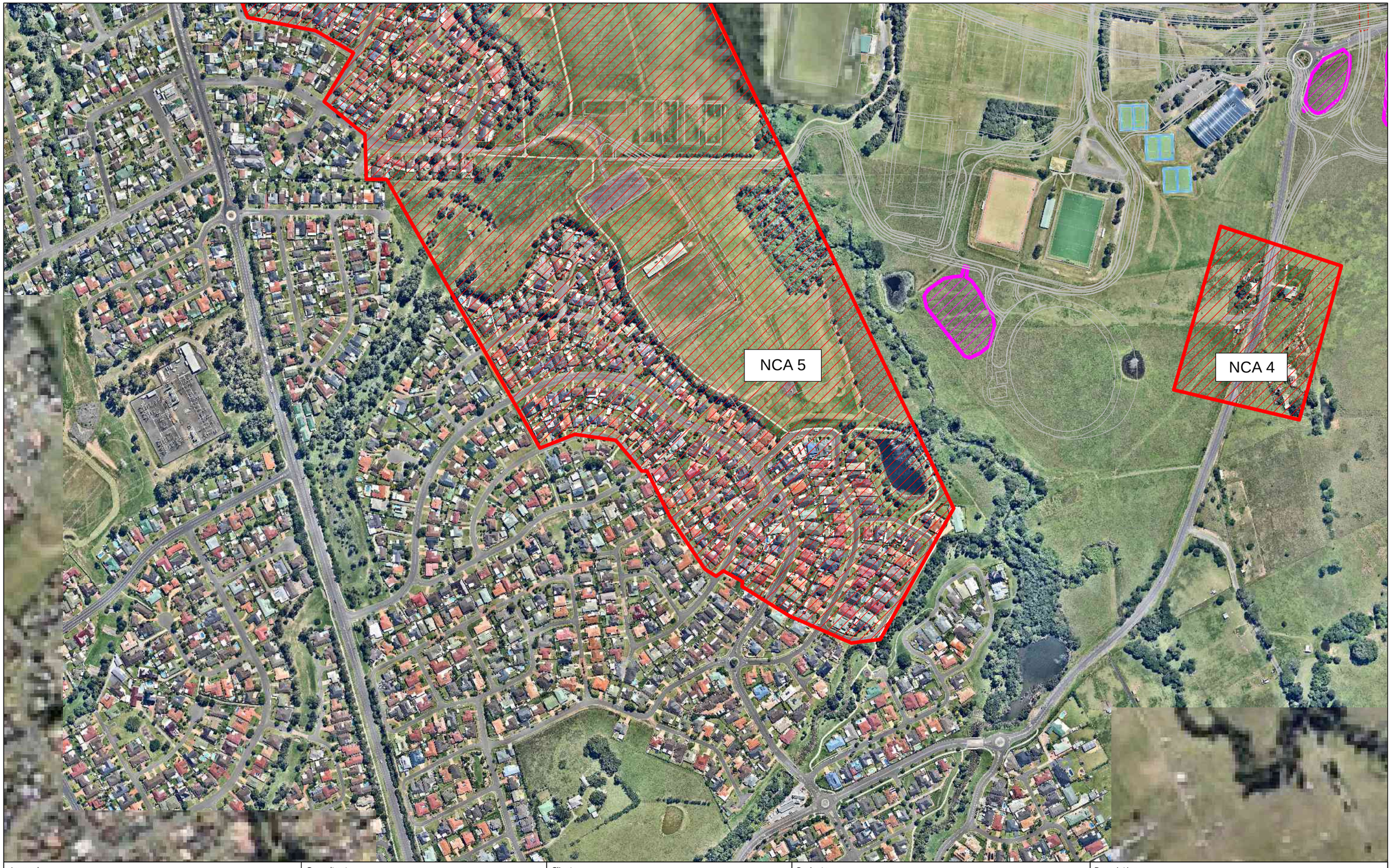
Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P10 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3



Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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P: 02 8218 0500 F: 02 8218 0501

Client:

NSW GOVERNMENT Transport Roads & Maritime Services

Project:

ALBION PARK RAIL BYPASS

Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 4 & NCA 5 SOUTH

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P11 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3

Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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Client:

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Project:

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Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 5 NORTH

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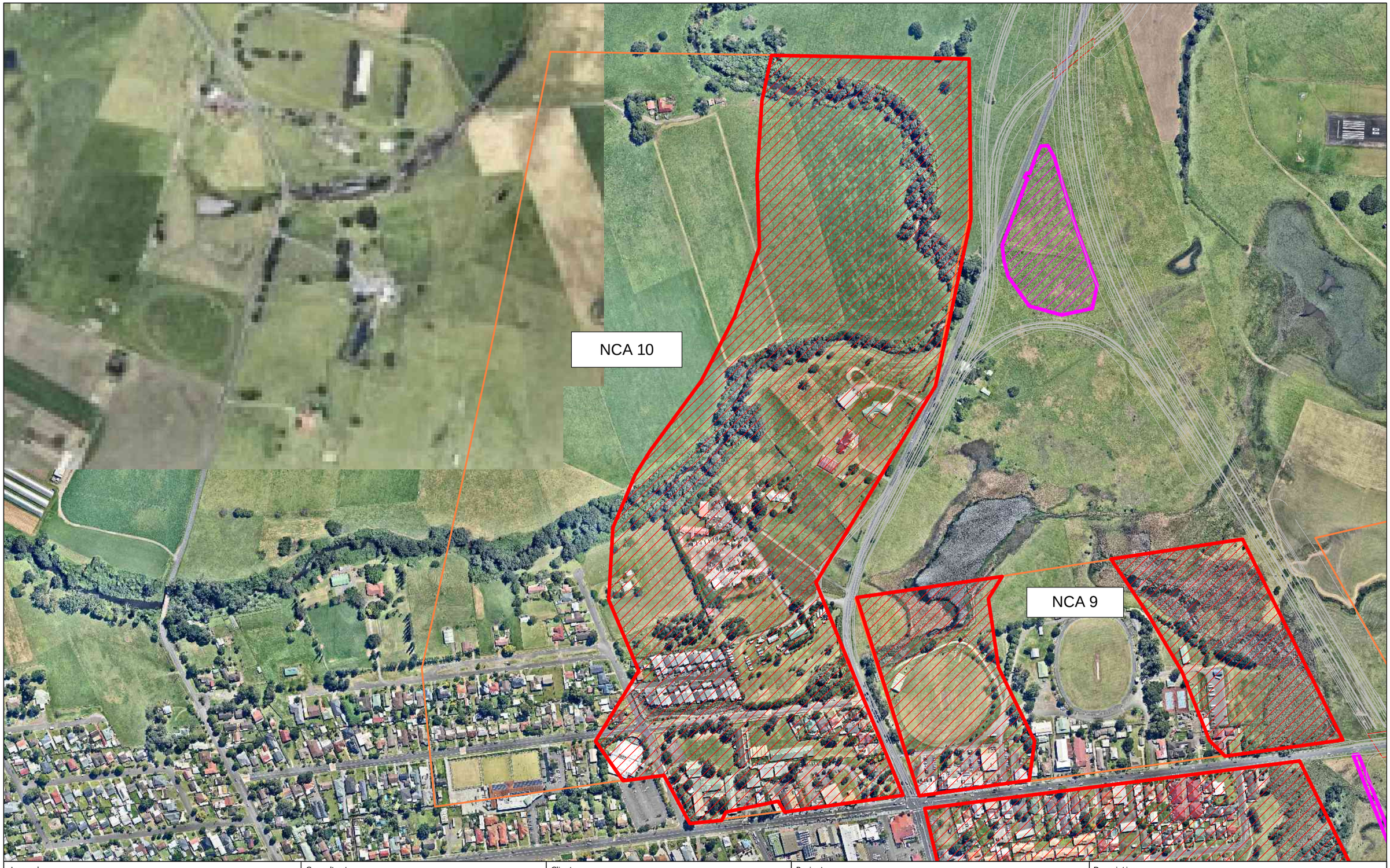
Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P12 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3



Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

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Client:
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Project:
ALBION PARK RAIL BYPASS

Description:
CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 9 & NCA 10

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P13 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3

Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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Client:

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Project:

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Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 11

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P14 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3

Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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Project:

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Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 12 & NCA 13

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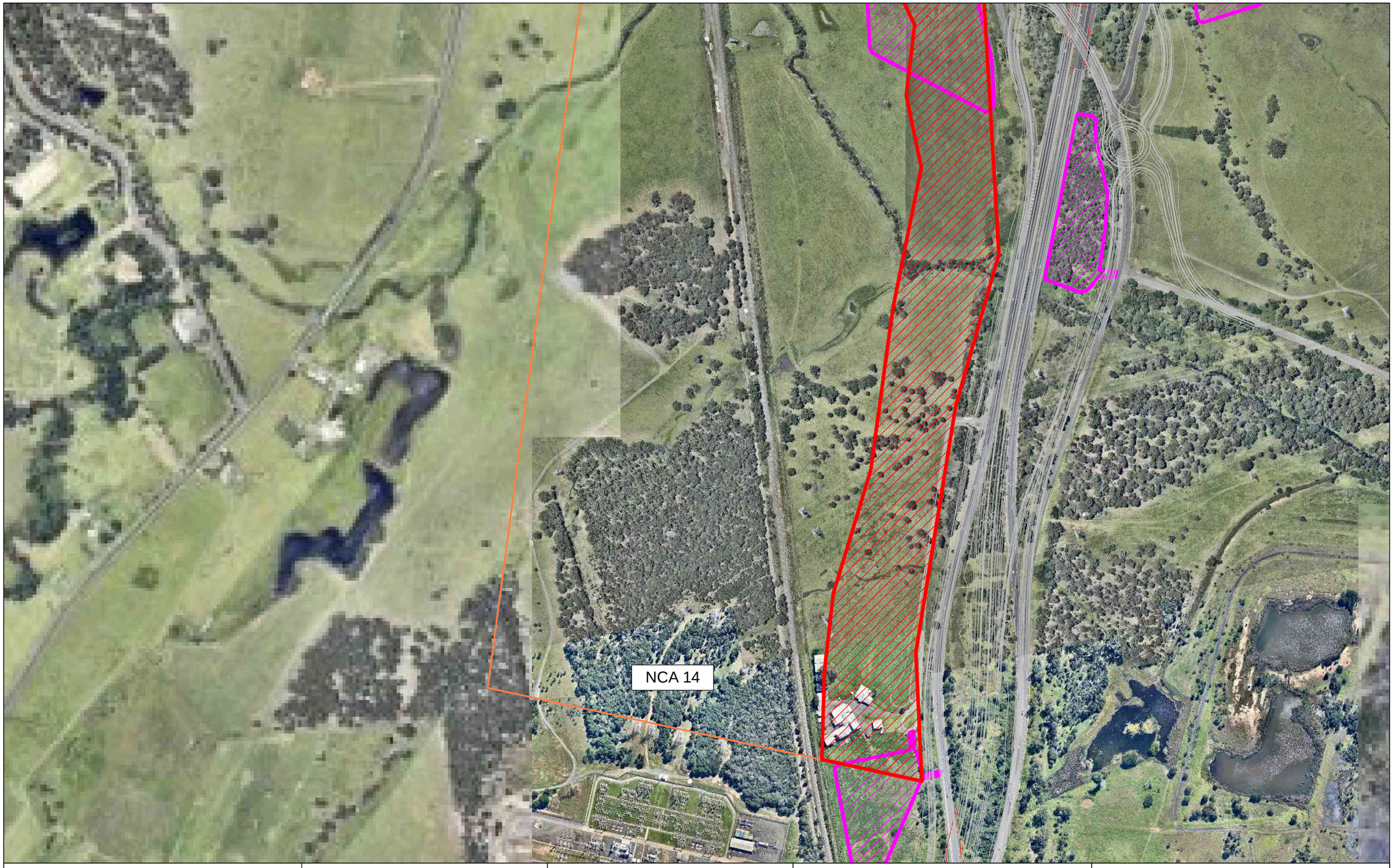
Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P15 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3



Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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P: 02 8218 0500 F: 02 8218 0501

Client:

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Project:

ALBION PARK RAIL BYPASS

Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 14 SOUTH

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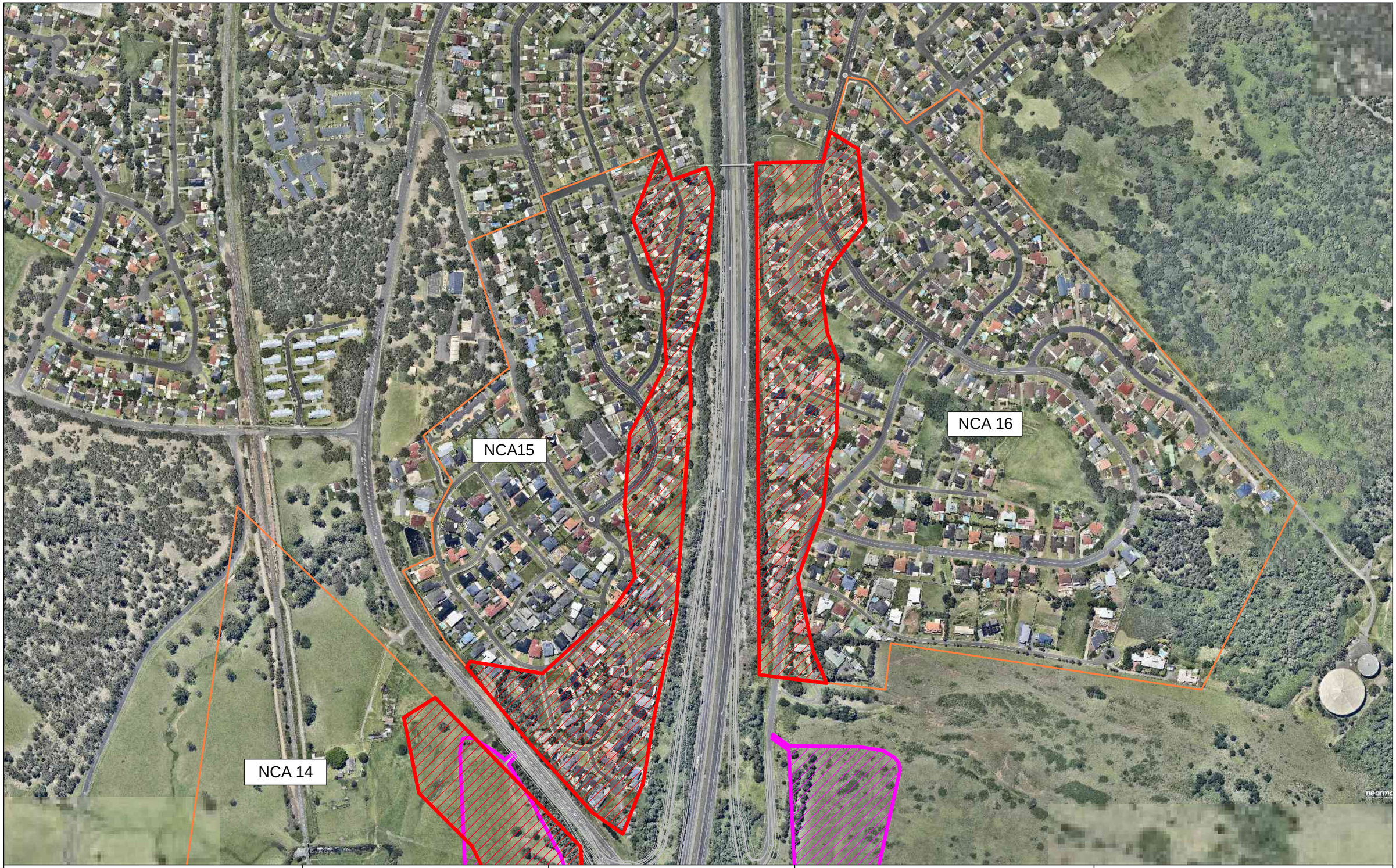
Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P16 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3



Legend:

- Construction compound
- Noise Catchment Area
- Area of impact

Consultant:

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P: 02 8218 0500 F: 02 8218 0501

Client:

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Project:

ALBION PARK RAIL BYPASS

Description:

CONSTRUCTION NOISE IMPACTS
DURING EXTENDED HOURS
NCA 15 & NCA 16

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Project No.:	TH508-01	Created by:	RP
Fig Ref:	TH508-01.5.C2.P17 (r0)	Grid:	02C1
Date:	2015.10.22	Scale:	1: 5000 A3