

# Operational Noise and Vibration Review

Stage 3  
Finalised Detailed Design

Cabramatta Loop Project

Document details

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Originated by:

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Marc Schlüssel  
Acoustic Consultant

Reviewed by:

-----

Andrew Parker  
Technical Director

Verified by:



Raymond Sim  
Principal Consultant

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## Acronyms

Term	Definition
A-Weighted	A spectrum adaptation that is applied to measured noise levels to approximate human hearing. A-weighted levels are used as human hearing does not respond equally at all frequencies.
Daytime	For rail noise, the daytime period is taken to be between 7 am and 10 pm.
dB	Decibel—a unit of measurement used to express sound level, based on a logarithmic scale. We typically perceive a 10 dB increase in sound as a doubling of that sound level.
dB(A)	Units of A-weighted sound levels.
DEC	NSW Department of Environment and Conservation, now known as the NSW Office of Environment and Heritage.
DECC	NSW Department of Environment and Climate Change, now known as the NSW Office of Environment and Heritage
DECCW	NSW Department of Environment and Climate Change and Water, now known as the NSW Office of Environment and Heritage
DPIE	NSW Department of Planning, Industry & Environment
EPA	NSW Environment Protection Authority
FH	Fulton Hogan
Frequency	The number of times a vibrating object oscillates (moves back and forth) in one second. Fast movements produce high frequency sound (high pitch/tone), but slow movements mean the frequency (pitch/tone) is low.
Hz	Hertz—units of frequency.
L <sub>1</sub>	The sound pressure level that is exceeded for 1% of the time for which the given sound is measured.
L <sub>10</sub>	The sound pressure level that is exceeded for 10% of the time for which the given sound is measured.
L <sub>90</sub>	The sound pressure level exceeded for 90% of the measurement period. For 90% of the measurement period, it was louder than the L90.
L <sub>eq</sub>	Equivalent Noise Level—Energy averaged noise level over the measurement time.
L <sub>eq,1h</sub>	Equivalent (energy averaged) noise level over a one-hour period. Used to assess road traffic noise for some non-residential receivers.
L <sub>eq,15h</sub>	Equivalent (energy averaged) noise level over the daytime period. Used to assess rail noise for residences.
L <sub>eq,9h</sub>	Equivalent (energy averaged) noise level over the night time period. Used to assess rail noise for residences.
L <sub>max</sub>	The maximum noise level measured during a period, using the fast time weighting on a sound level meter.
mm/s	Millimetres per second—unit of vibration velocity.
m/s <sup>1.75</sup>	Units of VDV.
NCA	Noise Catchment Area

Term	Definition
Night-time	For rail noise, the night-time period is taken to be between 10 pm and 7 am.
Peak Particle Velocity (PPV)	The maximum speed of a particle in a particular component direction due to vibration during a measurement.
RBL	Rating Background Level – the medium value of the assessment background level for the period over all of the days measured.
Sound pressure level	The level of noise measured at a particular position and point in time.
Sound power level	Sound power level (SWL) is a measure of the sound energy emitted by a source, measured in decibels referenced to Watts. It is a property of a particular source and is independent of distance from the source.
Vibration	Refers to the oscillation of an object back and forth, normally the ground.
Vibration Dose Value (VDV)	A measure used to assess the level of vibration over a defined time period, such as a day, evening or night. Often used for the assessment of intermittent construction vibration that may rise and fall across a day.

# 1 Introduction

## 1.1 Project Definition

The Cabramatta Loop Project (CLP) will introduce a 1.65km long passing loop between existing Glenfield and Leightonfield Passing Loops.

The new loop will be located between existing Leightonfield (city-side) and Glenfield (country-side) passing loops, on the Southern Sydney Freight Line (SSFL), and will support the increased rail freight movements to Port Botany (in conjunction with the Port Botany Rail Line duplication project) arising from the Moorebank Intermodal Terminal and rail spur, refer Figure 1 below.

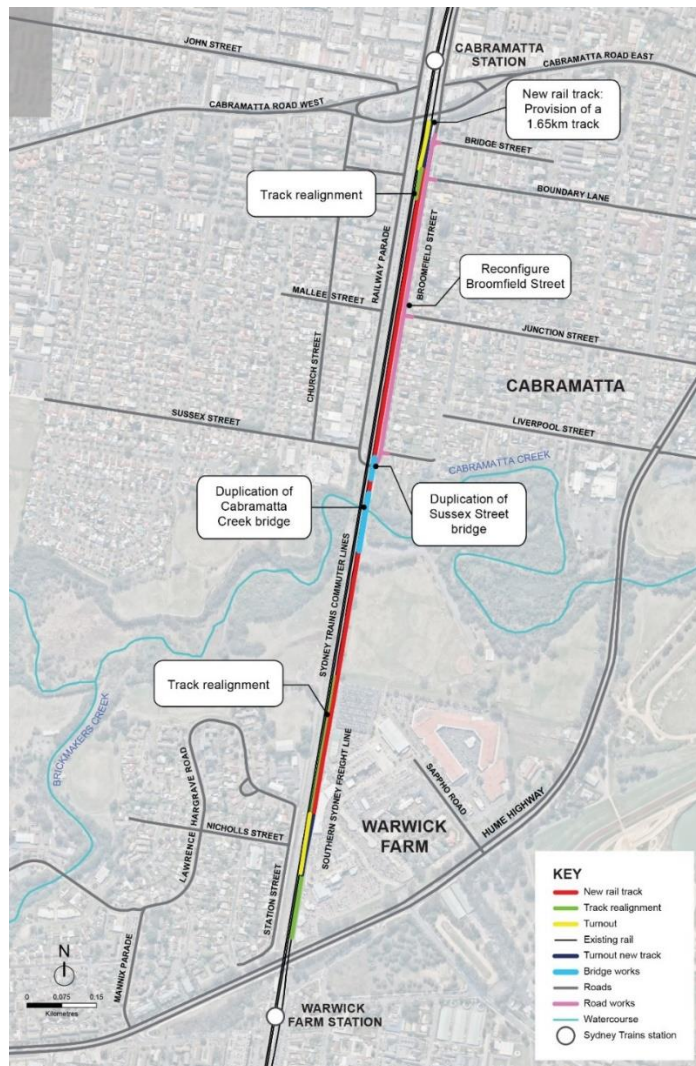


Figure 1: Project location and key features (source ARTC)

The project works will require the design and construction of all civil, track, signalling, communications, and electrical works to commission the passing loop.

Key features of the project include:

- Construction of a new 1,650m crossing loop (including 2 turn outs) between Cabramatta (32.200km) and Warwick Farm (33.750km) on the down side of the existing SSFL line, to enable 1.3km long trains to pass each other;
- About 550m of existing Track to be realigned to make way for new track at the southern end;
- Installation of two new bridges at Sussex Street and Cabramatta Creek;



- Relocation of an existing retaining wall (790m) and noise barrier (480m) between Cabramatta Rd East and Sussex Street; and
- Reconfiguration of Broomfield Street between Bridge Street and Sussex Street Bridge to allow for the widened corridor through the northern residential extent, adjustments to and reinstatement of the Parramatta to Liverpool Cycle Rail Trail and reserve access through the central extent, realignment of the GST and new signalling infrastructure, relocation of utilities, and potentially property adjustment works through the southern commercial corridor.

The works will interface externally with the two affected Councils: Liverpool City Council (southern half) and Fairfield City Council (northern half), numerous residents along Broomfield St, road and utility authorities, and stakeholders of the dealership centre. Utilities within the vicinity of the project site include Endeavour Energy, Jemena Gas West, NBN Co, Optus, PIPE Networks, Sydney Water and Telstra.

## 1.2 Background

### 1.2.1 Environmental Approvals

Operational rail noise and vibration emissions from the Project were assessed as part of the Environmental Impact Statement (EIS). The EIS detailed operational noise and vibration mitigation measures to be included in the Project based on a Concept Design.

An additional Interim Operational Noise and Vibration Review (IONVR) was completed by ARTC subsequent to the release of the Conditions of Approval (CoA) for the project. The IONVR was prepared following consultation by ARTC with DPIE in relation to the interpretation of a clause within CoA E22 which required pre-SSFL noise levels to be considered at sensitive receivers in meeting the operational noise criteria identified in CoA E22a. Specifically, how the No-Build (without project) noise assessment scenarios are treated with respect to the SSFL. Consultation included:

- provision of the draft methodology developed in interpretation of the CoA E22 (as per the methodology and assumptions detailed in Section 4)
- a meeting with DPIE and the EPA to present in September 2020 and discuss the draft methodology
- a second meeting with DPIE in October 2020 to discuss the intent and context to CoA E22
- request for endorsement or feedback on the draft methodology prior to commencement of modelling.

Key issues discussed during these meetings included confirmation of the study area being specific to the CSSI (Critical State Significant Infrastructure) project and excluding the SSFL from the 'no build' scenarios.

Following the consultation described above, DPIE responded noting no substantial comments on the draft methodology.

Discussions with DPIE led to the understanding that the condition was intended to address noise creep from the SSFL and the CSSI projects and that CoA E22 requires that ARTC is responsible for the cumulative operational noise impacts of both the CSSI and the SSFL.

The methodology in terms of the composition (train volume and noise mitigation wise) developed in the IONVR and consulted with DPIE has been implemented in the ONVR required by CoA E22. Figure 2 summarises the development process of the ONVR.

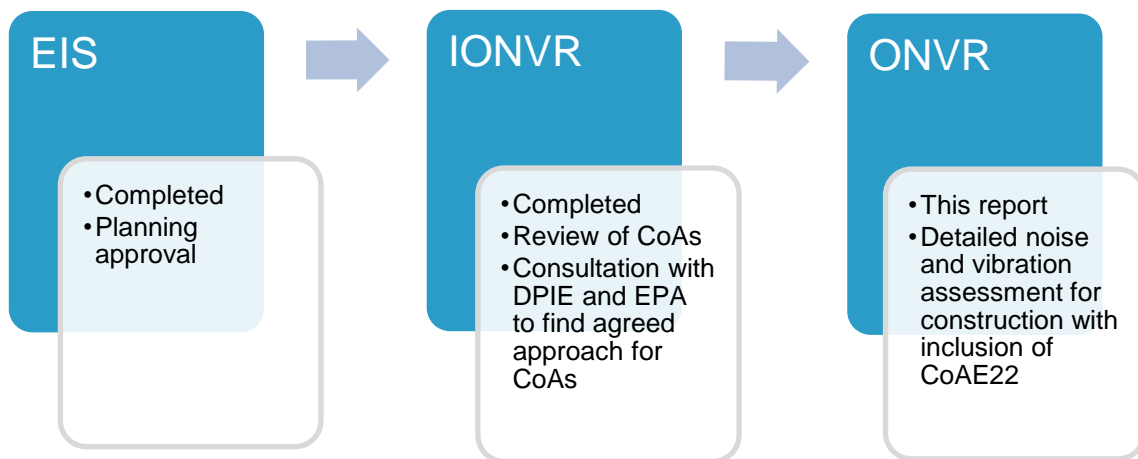


Figure 2: ONVR development process

### 1.2.2 Detailed Design and Construction

CoA E22 requires an Operational Noise and Vibration Review (ONVR) to be developed. The ONVR is required to assess potential impacts at nearby noise and vibration sensitive receivers and to develop feasible and reasonable mitigations measures where predicted noise and vibration levels exceed established criteria.

This report fulfils the requirement of Condition E22 relating to the preparation of an ONVR. Consultation on the outcomes of the ONVR is required with appropriate stakeholders including relevant councils.

### 1.3 Design Lot Scope

The scope of this design lot is to model and assess the operational noise and vibration impacts of the detailed design and examine all reasonable and feasible noise and vibration mitigation measures where the established noise and vibration criteria are unable to be achieved.

The scope of the design lot will be completed in accordance with the requirements of ARTC's Technical Specification and Works Description (TSWD) and the CoA for the project.

This design lot comprises the following key components:

- Design report CLP-RES-NV-01-RPT-0001 (this document)

### 1.4 Description of the Report

The purpose of this design report is to capture the findings of the Stage 3 design. The intention of this Stage 3 report is to document:

- Relevant CoA requirements.
- The proposed assessment criteria, methodology and design inputs.
- Present the detailed modelling results and assessment against the established criteria.
- Recommendation and assessment of reasonable and feasible noise and vibration mitigation measures where exceedances of established criteria are predicted. The recommended mitigation measures represent minimum requirements.



## 2 Assessment Criteria

Operational noise and vibration assessment criteria for the Cabramatta Loop detailed design are based on relevant policies and guidelines applicable in NSW, as well as:

- The CoA relevant to noise and vibration.
- The Environmental Documents including the EIS and IONVR (information document).
- The Revised Mitigation Measures (RMM) from the Submissions Report.

### 2.1 Reference Documents

Referenced Documents used for the development of the design, including standards, codes and regulations which include:

- NSW EPA Rail Infrastructure Noise Guideline (RING).
- NSW DECC Assessing Vibration: a Technical Guideline.
- ARTC Noise Prediction and Mitigation Guideline.
- NSW Rail Noise Database by SLR for TfNSW – Stage III Measurements and Analysis - January 2015.

### 2.2 Conditions of Approval

The CoA relevant to this ONVR are listed in Table 1 below. A cross reference is also included to indicate where the condition is addressed in this ONVR or other documents.

Table 1: Conditions of Approval

CoA No.	Condition Requirements	Document Reference
<b>PART E – NOISE AND VIBRATION</b>		
<b>Noise Mitigation - Operational Noise Mitigation Measures</b>		
E21	The Broomfield Street noise barrier must be a single continuous barrier. <i>Note: Continuous for the purposes of this condition allows for the inclusion of access points where there are overlapping sections of noise barrier. in accordance with the ARTC Noise Prediction and Mitigation Guideline.</i>	Section 5
E22	The Proponent must prepare an <b>Operational Noise and Vibration Review (ONVR)</b> to confirm noise and vibration control measures that will be implemented for the operation of the CSSI. The ONVR must be prepared as an iterative design development and in consultation with relevant council(s) and other relevant stakeholders and must: (a) confirm the appropriate operational noise and vibration objectives and levels for surrounding development, including existing sensitive land uses; (b) confirm the operational noise predictions based on the final design. Confirmation must be based on an appropriately calibrated noise model (which has incorporated data obtained from noise monitoring); (c) confirm the operational noise and vibration impacts at sensitive receivers based on the final design of the CSSI, including operational daytime LAeq,15 hour and night-time LAeq, 9 hour noise contours; (d) examine all noise and vibration mitigation measures, with a focus on source control and design; (e) identify specific physical and other mitigation measures that will be installed for controlling noise and vibration impacts at the source and at the receiver (if relevant) including location, type and timing of mitigation measures; (f) where noise and vibration objectives cannot be achieved, the ONVR must present an analysis of all noise and vibration mitigation measures, the 'best practice' achievable noise and vibration outcome and justification for the measure decided upon based upon the analysis;	Section 1.2  Section 2.4 and 1.1  Section 5  Section 5  Section 5  Section 5

CoA No.	Condition Requirements	Document Reference
	<p>(g) fully describe the design, assumptions, calculation process, mitigation strategy, and other relevant factors;</p> <p>(h) include a consultation strategy to seek feedback from directly affected landowners on the noise and vibration mitigation measures; and</p> <p>(i) procedures for the management of operational noise and vibration complaints.</p> <p>Notwithstanding the above, the Proponent is responsible for the cumulative operational noise impacts of the CSSI and the Southern Sydney Freight Line (SSFL) project. That is, the <b>ONVR</b> must consider the pre-SSFL noise levels at sensitive receivers in meeting the objectives in <b>Condition E22(a)</b> for the cumulative operation of the CSSI and SSFL.</p> <p>The <b>ONVR</b> is to be verified by a suitably qualified and experienced noise and vibration expert. The <b>ONVR</b> is to be undertaken at the Proponent's expense and submitted to the Planning Secretary for approval before the implementation of mitigation measures. The <b>ONVR</b> must be made publicly available consistent with the requirements of <b>Condition B10</b>.</p> <p>The Proponent must implement the identified noise and vibration control measures no later than 6 months after the commencement of construction, unless otherwise agreed with the Planning Secretary.</p> <p><i>Note: Nothing in this approval devolves the Proponent from meeting the requirements of approval MP05_0089 (as modified) in regard to operational noise outcomes.</i></p>	<p>Section 4</p> <p>Section 5</p> <p>Section 1.2 and 5.5</p> <p>Section 4</p> <p>Title page</p> <p>Section 5</p>
E25	<p>Within 12 months of the commencement of operation of the CSSI, the Proponent must undertake monitoring of operational noise to compare actual noise performance of the CSSI against the noise performance predicted in the review of noise mitigation measures required by <b>Condition E21</b>.</p> <p>The Proponent must prepare an <b>Operational Noise Compliance Report</b> to document this monitoring. The Report must include, but not necessarily be limited to:</p> <p>(a) noise monitoring to assess compliance with the operational noise levels predicted in the review of operational noise mitigation measures required under <b>Condition E21</b>;</p> <p>(b) a review of the operational noise levels in terms of criteria and noise goals established in the <i>NSW Rail Infrastructure Noise Guideline 2013</i>;</p> <p>(c) methodology, location and frequency of noise monitoring undertaken, including monitoring sites at which CSSI noise levels are ascertained, with specific reference to locations indicative of impacts on receivers;</p> <p>(d) details of any complaints and enquiries received in relation to operational noise generated by the CSSI between the date of commencement of operation and the date the report was prepared;</p> <p>(e) any required recalibrations of the noise model taking into consideration factors such as noise monitoring and actual traffic numbers and proportions;</p> <p>(f) an assessment of the performance and effectiveness of applied noise mitigation measures together with a review and if necessary, reassessment of mitigation measures; and</p> <p>(g) identification of additional measures to those identified in the review of noise mitigation measures required by <b>Condition E18</b>, that are to be implemented with the objective of meeting the criteria outlined in the <i>NSW Rail Infrastructure Noise Guideline 2013</i> and <i>Industrial Noise Policy</i> (EPA, 2000), when these measures are to be implemented and how their effectiveness is to be measured and reported to the Planning Secretary and the EPA.</p> <p>The <b>Operational Noise Compliance Report</b> must be submitted to the Planning Secretary and the EPA for information within 60 days of completing the operational noise monitoring and made publicly available.</p>	Section 5.4

## 2.3 Revised Mitigation Measures

Relevant operational related RMM from the Submissions Report are listed in Table 2. A cross reference is also included to indicate where the measure is addressed in this ONVR or other documents.

Table 2: Revised Mitigation Measures

ID No.	Revised Mitigation Measure	Document Reference
<b>Impacts to second floor of 108 – 110 Broomfield Street</b>		
01.1	Receivers at 108 – 110 Broomfield Street will be consulted regarding potential noise mitigation. This may include a review of the existing internal acoustic properties of the building and identification of where improvements can be made to reduce the exceedance of the trigger level.	Section 5.3

## 2.4 Operational Rail Noise Criteria

The criteria for the noise sensitive receivers surrounding the project area have remained unchanged from the applied criteria in the EIS. Table 3 and Table 4 describe the noise trigger levels for residential and non-residential buildings (as described in the Rail Infrastructure Noise Guideline (RING)), respectively, that have been applied for the Stage 3 Design operational noise assessment.

Table 3: Airborne rail traffic noise trigger levels for residential land uses (RING)

Type of development	Noise trigger levels, dBA (external)	
	Day (7:00 am to 10:pm)	Night (10:00pm to 7:00am)
New rail line development	60 LAeq(15hour) or 80 LAFmax	55 LAeq(9hour) or 80 LAFmax
Redevelopment of existing rail line	Development increases existing LAeq(period) rail noise levels by 2 dBA or more, existing LAmax rail noise levels by 3 dBA or more and predicted noise levels exceed	
	65 LAeq(15hour) or 85 LAFmax	60 LAeq(9hour) or 85 LAFmax

Table 4: Airborne rail traffic noise trigger level for non-residential land uses (RING)

Sensitive land use	Noise trigger levels, dBA (when in use)	
	New Rail development Resulting rail noise levels exceed	Redevelopment of existing rail line Development increases existing LAeq(period) rail noise levels by 2 dBA or more and predicted noise levels exceed
Schools, educational institutions and child care centres	40 LAeq(1hour) internal	45 LAeq(1hour) internal
Places of worship	40 LAeq(1hour) internal	45 LAeq(1hour) internal
Hospital wards	35 LAeq(1hour) internal	40 LAeq(1hour) internal
Hospital – other uses	60 LAeq(1hour) external	65 LAeq(1hour) external
Open space – active use	65 LAeq(15hour) external	65 LAeq(15hour) external

Noise sensitive receiver specific criteria are presented in the detailed noise modelling results tables provided in Appendix C and D.

## 2.5 Operational Rail Vibration Criteria

Criteria relating to the potential impacts of operational rail vibration are provided below for human comfort and for structural or cosmetic damage to structures. For wayside sensitive receivers, the criteria identified in the EIS for human comfort are more stringent than the criteria for structural or cosmetic damage. Therefore, a detailed assessment of potential structural damage impacts due to structural vibration is not required.

### 2.5.1 Residential and Non-residential (Human Comfort)

Acceptable vibration levels for human comfort have been set with consideration to Assessing Vibration: a technical guideline (DEC, 2006) which is based on the guidelines contained in British Standard BS 6472 – 1992, Guide to Evaluation of Human Exposure to Vibration in Buildings (1 hertz (Hz) to 80 Hz). BS 6472-1:2008 superseded this British Standard in 2008.

Operational rail activities typically generate ground vibration of an intermittent nature, which is assessed using the vibration dose value. Acceptable values of vibration dose are presented in Table 5 for sensitive receivers.

Table 5: Human comfort intermittent vibration limits

Receiver Type	Assessment Period	Intermittent vibration dose value (m/s <sup>1.75</sup> )	
		Preferred Value	Maximum Value
Residential	Daytime (7.00 am and 10.00pm)	0.2	0.4
	Night-time (10.00 pm and 7.00am)	0.13	0.26
Offices, schools, educational institutes and places of worship	When in use	0.4	0.8
Workshops	When in use	0.8	1.6

### 2.5.2 Heritage Structures

The German standard DIN 4150: Part 3 – 1999 Effects of Vibration on Structure (DIN 1999) guideline values for peak particle velocity (mm/s) criteria at heritage structures are summarised in Table 6.

Table 6: Structural Damage Criteria – Heritage Structures

Type of Structure	Peak Particle Velocity (PPV) mm/s			
	Vibration at the foundation at a frequency of:			Vibration of horizontal plane of highest floor at all frequencies
	1 to 10 Hz	10 to 50 Hz	50 to 100 Hz <sup>1</sup>	
Structures that are particularly sensitive to vibration, e.g. heritage-listed structures.	3	3 to 8	8 to 10	8

- (1) For frequencies above 100 Hz, the maximum values specified in this column shall be applied.  
Values referred to are at the base of the building

### 2.5.3 Other Buildings and Structures

British Standard BS 7385: Part 2: 1993 ‘*Evaluation and measurement for vibration in buildings Part 2. Guide to damage levels from ground borne vibration*’ gives guidance on the levels of vibration above which building structures could be damaged. These values apply to buildings other than heritage buildings, including residential, industrial and commercial buildings, for the project.

For the purposes of BS 7385 damage is classified as cosmetic (formation of hairline cracks), minor (formation of large cracks) or major (damage to structural elements). Guideline values give in the Standard are associated with the threshold of cosmetic damage only, usually in wall and/or ceiling lining materials. The BS 7385 values for vibration limits above which cosmetic damage could occur are provided in Table 7.

Table 7: Transient Vibration Guide Values for Cosmetic Damage (BS 7385: Part 2:1993)

Line	Type of Building	Peak component particle velocity in frequency range of predominant pulse	
		4 to 15 Hz	15 Hz and above
1	Unreinforced or light framed structures. Residential or light commercial type buildings	15 mm/s at 4 Hz increasing to 20 mm/s at 15 Hz	20 mm/s at 15 Hz increasing to 50 mm/s at 40 Hz and above
2	Reinforced or framed structures. Industrial and heavy commercial buildings	50 mm/s at 4 Hz and above	

Notes 1: Values referred to are at the base of the building

### 2.6 Ground-borne Noise Criteria

Ground-borne noise is defined in *ISO 14837 Mechanical vibration – ground-borne noise and vibration arising from rail systems* as noise generated inside a building by ground-borne vibration generated from the pass-by of a vehicle on rail. Operational ground-borne noise is assessed in accordance with the RING as per the requirements of the EIS. The ground-borne noise trigger levels are provided in Table 8. For an existing railway the ground borne noise levels would need to increase by 3 dBA or more for the trigger levels to be exceeded. Ground-borne noise is assessed internally at the centre of the most affected habitable room.

Ground-borne noise level values are relevant only where they are higher than the airborne noise from railways and where the ground-borne noise levels are expected to be, or are, audible within habitable rooms. For an existing heavy rail corridor airborne noise is expected to be the dominant noise source from the project and significantly higher than any ground-borne noise contributions. However, a situation can occur for surface rail where airborne noise is mitigated with noise barriers and/or at-residence treatments, which does not mitigate ground-borne noise.

Table 8: Ground-borne noise criteria

Sensitive land use	Time of day	Internal noise trigger levels, dBA
	Development increase existing rail noise by 3 dBA or more and resulting rail noise level exceeds:	
Residential	Day (7.00 am and 10.00pm) Night (10.00 pm and 7.00am)	40 L <sub>ASmax</sub> 35 L <sub>ASmax</sub>
Schools, educational institutes, places of worship	When in use	40–45 L <sub>ASmax</sub>

### 3 Existing Acoustic Environment

This section provides a summary of the existing noise and vibration environment within and adjacent to the project.

#### 3.1 Sensitive Receivers

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

- residences (including multi-floor dwellings): Each floor of a multi-floor dwelling is considered to be a separate sensitive receiver as each floor could have separate property owners and/or land uses (e.g. commercial ground floor and residential first floor)
- educational institutes (such as schools and universities e.g. Lawrence Hargrave School)
- hospitals and medical facilities
- places of worship
- commercial or industrial premises e.g. Peter Warren Automotive
- passive recreational areas
- active recreational areas such as sporting fields, golf courses. Note that recreational areas are only considered sensitive when they are in use or occupied.

A map with receiver identification numbers overlaid is provided in Appendix A. The land-use of each building is also shown in Appendix A. A table with the receiver identification number and address is shown in Appendix B.

#### 3.2 Noise Catchment Areas

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

- NCA 1: The area to the north of Jacquie Osmond Reserve and west of the rail corridor. The area comprises of commercial and residential land uses. Rail noise, road traffic noise from Railway Parade and noise from commercial premises along Railway Parade dominate the noise environment in NCA01.
- NCA 2: The area to the north of Jacquie Osmond Reserve and east of the rail corridor. The area comprises of residential land uses. Road traffic noise from Broomfield Street and local roads in the area dominate the noise environment. An existing noise barrier along Broomfield Street shields the catchment from rail noise.
- NCA 3: The area to the south of Jacquie Osmond Reserve and west of the rail corridor. The area comprises of primarily residential land uses. Rail noise and traffic along local roads dominate the noise environment in NCA03.
- NCA 4: The area to the south of Jacquie Osmond Reserve and east of the rail corridor. The area comprises of primarily commercial land uses. Rail noise and noise from commercial premises dominate the noise environment in NCA04.

Figure 3 shows the noise catchment areas and the operational noise and vibration assessment boundary area.



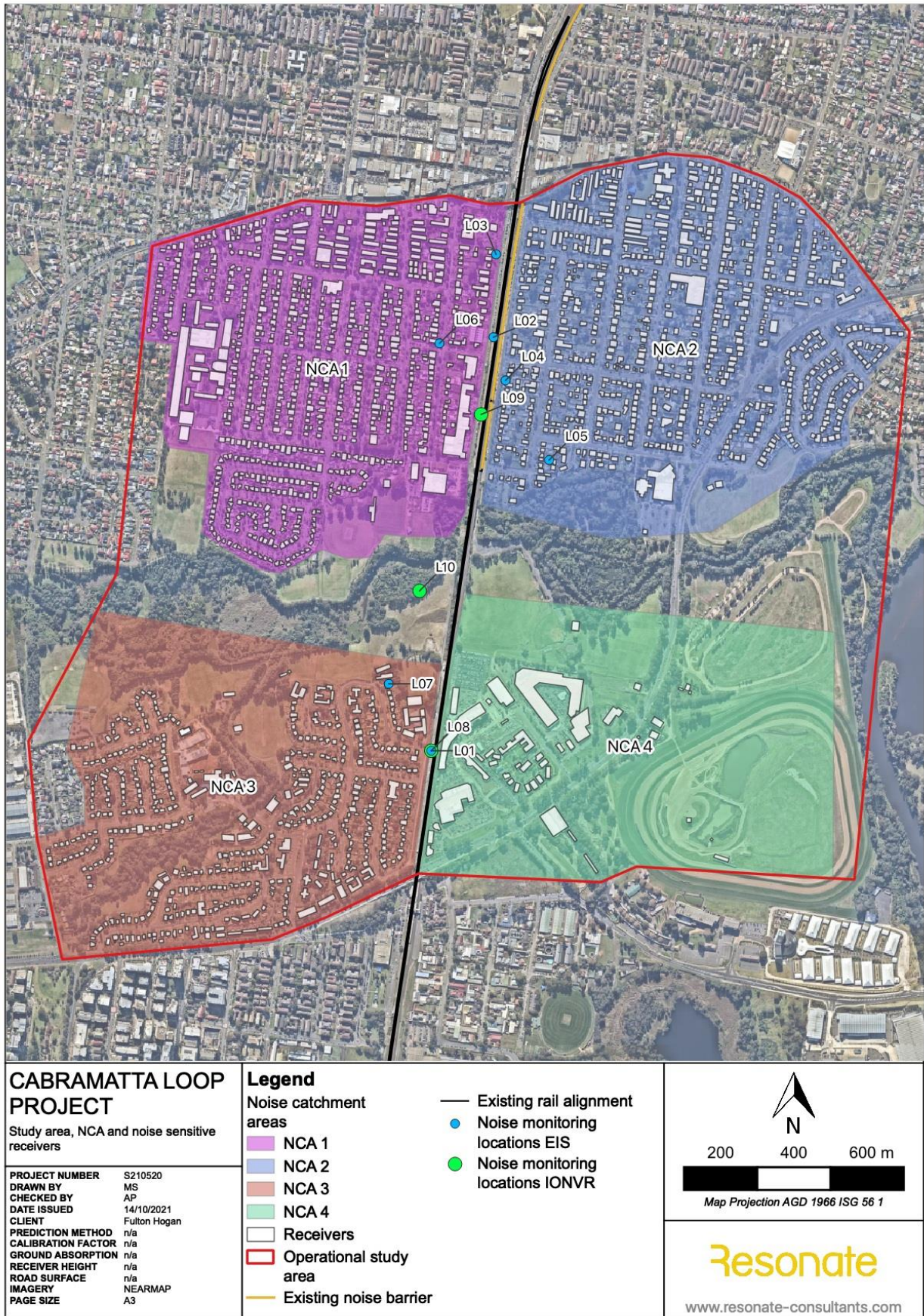


Figure 3: Noise catchment areas



### 3.3 Background Noise Monitoring

Existing ambient and background noise monitoring was undertaken at ten locations within the study area as part of the EIS/IONVR. A minimum of two weeks of monitoring was carried out at each location. The objectives of the monitoring were to quantify:

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

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

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

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

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

All sampling activities were carried out with consideration to the specifications outlined in AS 1055 (1997) Acoustics—Description and Measurement of Environmental Noise and the NPI.

#### 3.3.1 Summary of Baseline Noise Levels

A summary of the baseline noise monitoring, including a description of the ambient noise environment at each location is provided in Table 9.

Background noise levels at residential locations L05 to L07 are consistent and within 2 dB of each other across the day (37 to 39 dB(A)), evening (37 to 39 dB(A)) and night (30 to 32 dB(A)) time periods. As per Australian Standard AS 1055, these background noise levels are typical of a suburban environment with negligible transportation. Intermittent noise events such as rail passbys do not contribute significantly to the background noise levels.

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



Table 9: Summary of baseline noise monitoring

Location	NCA	Address	Free-field or façade	Rating background level (RBL) <sup>1</sup>			Ambient noise levels, L <sub>Aeq</sub> (period) <sup>1</sup>					Ambient noise observations
				Day	Evening	Night	Day	Evening	Night	Day (15 hour)	Night (9 hour)	
L01 <sup>2</sup>	-	In rail corridor (North of Warwick Farm Station)	Free field	-	-	-	65	64	63	65	63	Rail noise dominant
L02 <sup>2</sup>	-	In rail corridor (South of Cabramatta Station)	Free field	43	41	33	68	68	66	68	66	Rail noise dominant
L03 <sup>2</sup>	1	225 Railway Parade, Cabramatta	Free field	45	44	33	61	61	59	61	59	Rail noise dominant, road traffic noise along Railway Parade
L05 <sup>2</sup>	2	46a National Street, Cabramatta	Free field	38	37	31	53	48	46	51	46	Rail noise faintly audible, road traffic noise along National Street
L06 <sup>2</sup>	1	41 Church Street, Cabramatta	Free field	38	39	30	55	53	50	54	50	Road traffic noise along Church Street, rail passbys in background
L07 <sup>2</sup>	3	25 Lawrence Hargrave Road, Warwick Farm	Free field	37	38	32	52	50	47	50	47	Rail noise dominant, car passbys and bird noise
L08 <sup>3</sup>	-	In rail corridor (North of Warwick Farm Station)	Free field	42	42	37	65	66	64	65	64	Rail noise dominant
L09 <sup>3</sup>	-	In rail corridor (South of Cabramatta Station)	Free field	45	43	37	70	70	68	70	68	Rail and road noise dominant, increased noise from rail corrugation
L10 <sup>3</sup>	-	Shroud Park, Cabramatta	Free field	40	39	36	61	54	54	56	54	Rail noise dominant

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

- Day: the period from 7.00 am to 6.00 pm Monday to Saturday or 8.00 am to 6.00 pm on Sundays and public holidays
- Evening: the period from 6.00 pm to 10.00 pm
- Night: the remaining periods.
- For the 15 hour and 9 hour noise levels, as per the Rail Infrastructure Noise Guideline (EPA, 2013), day refers to the 7.00 am to 10.00 pm time period while night refers to 10.00

Note 2: Noise monitoring was undertaken for the EIS

Note 3: Additional noise monitoring was undertaken to supplement the IONVR

### 3.3.2 Baseline Vibration Monitoring

#### 3.3.2.1 EIS/IONVR Vibration Monitoring

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

The measured railway vibration levels were used to inform the prediction and assessment of operational vibration levels. The measured railway vibration levels are presented in the operational vibration assessment in Section 4.4.

#### 3.3.2.2 ONVR Vibration Monitoring

An additional short-term set of vibration measurements was undertaken as part of this ONVR to provide further validation on the potential influence of train passbys over turnouts.

The vibration measurements were conducted adjacent to the existing Leightonfield turnout approximately 130 m east of Villawood Station. Vertical vibration velocity levels were measured at three offset distances from the turnout being 8 m, 16 m and 31.5 m. A reference vibration measurement was also conducted at a location approximately 180 m further east from the turnout location.

The maximum slow response rms vertical vibration velocity levels (1 Hz to 100 Hz) are overlaid on the EIS/IONVR vibration measurement results charts provided in Figure 5.

## 4 Assessment Methodology

### 4.1 Overview

The following methodology has been implemented in the development of the ONVR to assess the potential noise and vibration impacts associated with the operation of the project:

- Identifying key sensitive receivers in the study area as required by CoA E22a.
- Establishing noise and vibration assessment criteria at sensitive receivers as required by CoA E22b.
- Identify the existing and proposed rail traffic volumes and speeds for the study area.
- Calculating  $L_{Aeq}$  and  $L_{Amax}$  noise levels using noise logger data obtained at the monitoring locations as required by CoA E22c.
- Validating the operational noise model using the noise monitoring data (CoA E22b).
- Modelling operational rail ( $L_{Aeq}$  and  $L_{Amax}$ ) noise for the agreed Build and No-Build Scenarios for the year of opening 2023 and design year 2033.
- Assessing operational rail noise predictions ( $L_{Aeq}$  and  $L_{Amax}$ ) against the relevant RING trigger levels.
- Identification of specific and physical and other noise mitigation measures including location, type and timing where exceedances of the trigger levels are predicted (CoA E22d,e).
- Where the noise and vibration objectives cannot be achieved, analysis of all noise and vibration mitigation measures, the 'best practice' achievable noise and vibration outcome shall be presented. This includes a justification for the measure decided upon (CoA E22f).

### 4.2 Operational Noise Modelling Scenarios

A computer noise model of the required assessment scenarios of the Project was developed in SoundPLAN v7.4. The Kilde Report 130 algorithm was implemented.

The inputs relating to composition of Build and No-Build Scenarios, number, type and speed of trains are with reference to the methodology presented in the IONVR that responds to CoA E22. This is so that a consistent and compliant assessment can be produced in line with DPIE expectations. An independent noise model has been developed on the basis of the Stage 3 design in order to assess the potential operational noise impacts associated with the project.

This assessment included the following scenarios:

- No-Build scenarios (2023 and 2033)
  - No SSFL and no existing noise barrier.
- Build Scenarios (2023 and 2033)
  - SSFL, Cabramatta Loop Project and relocation of the existing noise barrier to the adjusted corridor boundary to the east of the railway corridor.

### 4.3 Noise Modelling Inputs and Assumptions

#### 4.3.1 Track Alignment and Ground Terrain

The Stage 3 design including 3D elevation strings for the railway corridor and Broomfield street have been implemented within SoundPLAN. The 3D rail and road design was cut into surrounding topographical data sourced by the NSW ELVIS Portal.

### 4.3.2 Existing Noise Barrier

An existing noise barrier along Broomfield Street was constructed as part of the original SSFL as determined by its environmental assessment (Southern Sydney Freight Line Environmental Assessment, Parsons Brinckerhoff 2006).

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

Given that the existing noise barrier along Broomfield Street was constructed as a result of the SSFL project, it was not included as part of the 'no build' scenarios. The noise barrier was included as part of the 'build' scenarios albeit at a new location offset to account for the passing loop.

### 4.3.3 Source Noise Levels and Heights

Passenger and freight rail source noise levels used are consistent with the CSSI EIS (based on measurements taken on site and from the NSW Rail Noise Database) as shown in Table 10.

Source heights were assumed to be 0.5 metres from top of rail for rolling noise and four metres from top of rail for engine/exhaust noise.

Table 10: Source noise levels

Train Type	Reference conditions	SEL, dBA	L <sub>Amax,95th</sub> percentile, dBA
Passenger – A-Set	80 km/h, at 15 m from track for a train length of 154.4 m (8 car)	86	81
Passenger – B-Set		86	81
Passenger – C-Set	80 km/h, at 15 m from track for a train length of 163.2 m (8 car)	89	85
Passenger – K-Set		89	87
Passenger – S-Set		88	87
Passenger – M-Set (8 car)	80 km/h, at 15 m from track for a train length of 161.6 m (8 car)	86	81
Passenger – M-Set (4 car)	80 km/h, at 15 m from track for a train length of 80.8 m (4 car)	84	81
Freight (Rolling noise)	80 km/h, at 15 m from track for a train length of 1000 m	97	96
Freight (Engine/exhaust noise) – High notch	80 km/h, at 15 m from track for a train length of 20 m (one locomotive)	90	96

### 4.3.4 Existing Rail Volumes, Speeds and Consists

Two sets of rail noise monitoring have been undertaken in the planning process for the Project. An initial set as part of the EIS and a subject set as part of the IONVR. A review of each set measurements showed good correlation.

Existing average daily rail traffic volumes and speeds along the Sydney Trains Up and Down lines were sourced from the Sydney Trains Wayside Information Management System (WIMS) located at Warwick Farm. These values have been implemented for the purposes of noise model validation. Figure 4 shows the different track locations on a map (i.e. differentiated between Sydney Trains and ARTC tracks).

Existing rail traffic volumes along the SSFL were identified through a contribution of data provided by ARTC and detailed passby analysis of the measured rail data at Cabramatta and Warwick Farm as presented in the EIS.

From this data the following key inputs were identified:

- Table 11 outlines existing passenger and freight rail traffic volumes and average speeds on the Sydney Trains Up and Down lines
- Up line: An average of one locomotive (day and night), 25 wagons (day) and 24 wagons (night)
- Down line: An average of one locomotive (day and night), 22 wagons (day) and 29 wagons (night)
- Existing average daily volumes of 12 trains (day) and eight trains (night) for the SSFL were calculated from the supplied ARTC data, with an average speed of 60 kilometres per hour (km/h).
  - Day: Train length of 900 metres with two locomotives.
  - Night: Train length of 750 metres with two locomotives.

Table 11: EIS train numbers and speeds for noise model validation purposes

Receiver Type	Daytime (7.00 am to 10.00 pm)				Night-time (10.00pm to 7.00 am)			
	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)
A8	50	50	76	75	22	23	76	74
B8	5	6	71	74	4	4	77	77
C8	6	5	70	71	2	1	70	71
K8	14	14	70	70	5	4	67	69
S8	16	16	70	70	5	3	69	73
M8	17	15	76	74	5	7	71	76
M4	21	22	75	74	2	2	75	55
Freight – Sydney Trains	4	3	46	53	2	4	54	59
SSFL	6	6	60	60	4	4	60	60

In addition, the IONVR re-assessed the number and trains and speeds for validation purposes. From this data the following key inputs were identified:

- Table 12 below outlines existing passenger and freight rail traffic volumes and average speeds on the Sydney Trains Up and Down lines
- The average length of freight trains and consists which travel along the Sydney Trains Up and Down lines is 585 metres. On average only 1.5 locomotives (day and night inclusive) appear to travel on these lines
- 11 trains (day) and 7 trains (night) travel along the SSFL on average, with an average speed of 41 km/h.
- Freight train lengths and consists along the SSFL are as follows:
  - Day: Train length of 905 metres with average of 2.3 locomotives
  - Night: Train length of 780 metres with average of 2.3 locomotives.

Table 12: IONVR train numbers and speeds for noise model validation purposes

Receiver Type	Daytime (7.00 am to 10.00 pm)				Night-time (10.00pm to 7.00 am)			
	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)	Up	Down	Speed (Up, km/h)	Speed (Down, km/h)
A8	44	44	77	75	18	20	76	72
B8	36	35	76	74	16	11	73	73
C8	5	6	72	70	1	1	61	63
K8	13	17	68	70	4	2	67	69
S8	-	-	-	-	-	-	-	-
M8	10	9	77	73	4	4	77	72
M4	19	18	74	73	3	3	74	63
Freight	4	3	51	51	2	4	54	57

#### 4.3.5 Future ‘No Build’ and ‘Build’ Rail Volumes

Future ‘no-build and build rail volumes used for the Stage 3 design are based upon the methodology that was presented to DPIE as part of the IONVR process. No issues were raised by DPIE with this approach. Train volumes on the Sydney Trains lines are presented in Table 13. The ‘No Build’ scenarios in Table 13 assume that the SSFL freight trains are using the Sydney Trains lines. These freight train numbers are shown in bold letters. Table 14 shows the train volumes on the SSFL and Cabramatta Loop.

Table 13: Sydney Trains lines train volume splits for build and no-build scenarios

Year	Train type	Day 7:00 am to 10:00 pm		Night 10:00 pm to 7:00 am	
		Up	Down	Up	Down
2023 No Build	Tangara	6	10	6	-
	SGT (B set)	40	40	11	12
	8 car Waratah	54	49	16	20
	4 car Millennium	22	22	3	3
	8 car Millennium	15	15	4	5
	<b>Freight</b>	<b>20</b>	<b>12</b>	<b>7</b>	<b>18</b>
2023 Build	Tangara	6	10	6	-
	SGT (B set)	40	40	11	12
	8 car Waratah	54	49	16	20
	4 car Millennium	22	22	3	3
	8 car Millennium	15	15	4	5
	Freight	5	3	2	5
2033 No Build	8 car Waratah	168	168	84	84
	<b>Freight</b>	<b>20</b>	<b>12</b>	<b>9</b>	<b>23</b>
2033 Build	8 car Waratah	168	168	84	84
	Freight	5	3	2	5

Table 14: Train volumes for the SSFL and the Cabramatta Loop for the build scenarios

Scenario	Train type	Train movements per typical worst-case day			
		Day 7:00 am to 10:00 pm		Night 10:00 pm to 7:00 am	
		SSFL	Cabramatta Loop	SSFL	Cabramatta Loop
2023 Build	Freight	15	15	9	9
2033 Build	Freight	22.5	22.5	13.5	13.5

### 4.3.6 Future ‘No Build’ and ‘Build’ Rail Speeds and Consists

Speeds for the opening and design years were modelled as follows:

- Sydney Trains lines:
  - 80 km/h (up, passenger)
  - 100 km/h (down, passenger)
  - 70 km/h (up, freight)
  - 80 km/h (down, freight).
- SSFL and passing loop:
  - 80 km/h.
  - The assumed speed of 80km/h in the passing loop is conservative and represents the maximum achievable speed. Average train speeds will likely be lower on the passing loop as trains will typically be slowing and stopping and existing freight train speeds were shown to be less than 80 km/h on the SSFL. This was also observed during the train monitoring for validation purposes and is shown in Table 11 and Table 12.

Average future freight train lengths were assumed to be

- 1110 metres with two locomotives which reflects the trains which are currently running on the SSFL as determined from the data provided by ARTC.
  - The ‘no build’ scenarios assume the same train would run on the Sydney Trains lines as in the hypothetical absence of the SSFL.
- In the ‘build’ scenarios, an average freight length of 620 m with 1 locomotive has been assumed to be operational on the Sydney Trains lines consistent with the EIS. The longer 1110 m trains would run on the SSFL and Cabramatta Loop.

### 4.3.7 Other Rail Noise Sources

#### 4.3.7.1 Track Corrections and Other Noise Sources

Noise modelling algorithms require track corrections for track features such as curves, turnouts, joints and bridges.

- Bridges
  - Existing bridges were identified in the study area between Warwick Farm and Cabramatta at the Broomfield Street and Sussex Street intersection. The bridges are ballasted concrete span with no side screens, no source correction was applied to these bridges tracks as per the NSW Rail Noise Database.
- Turnouts
  - Turnouts at tie-ins from the SSFL to the passing loop: The turnout was modelled with a +6 dB track correction over a 10 m track section as per the ARTC Noise Prediction and Mitigation Guideline.



### 4.3.7.2 Diesel Locomotives Idling at Signals

Locomotives are required to idle at the passing loop signals at the north and south of the loop to allow freight trains to pass on the SSFL. The idling noise contribution to the overall daytime and night-time rail noise level has been predicted on the basis of the following assumptions and reference noise levels presented in Table 15.

- The proportion of trains estimated to stop at the signals is as follows:
  - 50% of trains stop on the loop.
  - Of the 50% of trains that stop on the loop, half would stop with locomotives located at the southern end of the loop and half would stop with locomotives located at the northern end of the loop.
  - It is assumed that each train would stop and idle for 5 minutes.
- This equates to the following estimated total idling time during each assessment period at each of the northern and southern signal locations with reference to the train volumes presented in Table 14:
  - Daytime: 65 minutes (13 trains x 5 minutes).
  - Night-time: 35 minutes (7 trains x 5 minutes).
- It is assumed that three locomotives would be idling at each location.

Table 15: Freight locomotive idling noise emissions

Distance	L <sub>Aeq</sub> noise level <sup>1</sup>	SWL per Locomotive
15 m	70 dB(A)	102 dB(A)

Note 1: The average L<sub>Aeq</sub> noise level from stationary idling locomotives as presented in the NSW Rail Noise Database has been assumed for this assessment. It should be noted that the noise levels presented in the NSW Rail Noise Database included contributions from up to four locomotives. This noise level has been assumed on a per locomotive basis which is considered a reasonable assumption.

Table 16 presents the influence of idling locomotives to the overall predicted daytime and night-time rail noise level and shows how the idling noise contribution causes the total noise level to change relative to the No-Build Scenario.

Table 16: Noise level contribution from locomotive idling noise

Receiver	2033 Build Daytime L <sub>Aeq</sub> (15hr)	2033 Build Night-time L <sub>Aeq</sub> (9hr)	Idling noise contribution L <sub>Aeq</sub> (15h)	Idling noise contribution L <sub>Aeq</sub> (9hr)	Total change in noise level due to idling and running rail relative to No-Build L <sub>Aeq</sub> (15h)	Total change in noise level due to idling and running rail relative to No-Build L <sub>Aeq</sub> (9hr)
R1686 (south tie-in)	66.6	66.5	53.4	52.9	0.3	-1.0
R2118 (north tie-in)	67.8	67.7	53.4	52.9	1.7	0.3
R2289 (north tie-in)	66.5	66.5	57.8	57.3	0.8	-0.5

The results show that the idling noise contribution at the nearest potentially affected locations does not add to the overall noise level such the RING noise level increase trigger level remains less than 2 dB (i.e. noise level increase relative to the No-Build Scenario remains below 2 dB).

No additional mitigation measures relating to locomotive idling noise is therefore required.



#### 4.3.7.3 Braking and Wagon Bunching Noise

Braking and wagon bunching noise is generated when a train is required to stop at a signal as will be the case when a train enters the Cabramatta Loop. Braking and bunching noise are short-term peak events with the  $L_{Aeq}$  noise levels controlled by the wheel/rail and locomotive engine and exhaust noise.

Typical noise levels for braking and wagon bunching are between 80 dB(A) and 90 dB(A) at 15 m from the source. These noise source levels are based on previous noise measurements.

These levels are lower than the maximum noise levels for freight train passbys (96 dB(A) at 15 m) assumed in this assessment. Therefore, the maximum noise levels are controlled by freight train passbys and these results are shown in Appendix D.

#### 4.3.7.4 Façade Correction

- Noise levels at residences are assessed one metre in front of the building façade. Therefore, the predicted rail noise levels include a façade correction of + 2.5 dB to account for the façade reflection effect as required by the RING.

#### 4.3.8 Modelling Parameters

The following assumptions were made with regard to the model configuration:

- A ground absorption coefficient of zero was used (i.e. hard ground).
- Receivers were modelled at a height of 1.5 m above ground (ground floor), with each additional floor modelled at an additional 3 m height (i.e. first floor at 4.5 m, second floor at 7.5 m, etc).

#### 4.3.9 Noise Model Validation

A comparison of the noise levels measured at the validation locations as part of the EIS and the IONVR have been compared against the predicted noise levels within the validation noise model. The validation noise model incorporates:

- The current track layout (Sydney Trains Up and Down Tracks and the SSFL Track)
- Train volume and speeds as presented in Table 11.
- Source noise levels as per the NSW Rail Noise Database.

Table 17 shows the comparison of the measured noise data with the modelled validation scenario with data provided in the EIS and IONVR.

Table 17: EIS and IONVR measured absolute existing rail noise levels and model validation

Location	Measured		Modelled		Modelled-Measured	
	L <sub>Aeq</sub> , 15hr	L <sub>Aeq</sub> , 9hr	L <sub>Aeq</sub> , 15hr	L <sub>Aeq</sub> , 9hr	L <sub>Aeq</sub> , 15hr	L <sub>Aeq</sub> , 9hr
L01 <sup>1</sup> – North of Warwick Farm Station	65.0	63.0	65.5	64.3	+0.5	+1.3
L02 <sup>1</sup> – South of Cabramatta Station	67.6	66.1	66.6	66.7	-1.0	+0.6
L03 <sup>1</sup> – 225 Railway Parade	61.0	59.0	61.7	60.8	+0.7	+1.8
L07 <sup>1</sup> – 27 Lawrence Hargrave Road	50.4	47.2	49.8	47.7	-0.6	+0.5
L08 <sup>2</sup> – North of Warwick Farm Station	64.7	63.4	65.5	64.8	+0.8	+1.4
L09 <sup>2</sup> – South of Cabramatta Station	69.3	67.6	68.1	66.2	-1.2	-1.4
L10 <sup>2</sup> – Shroud Park, Cabramatta	56	53.5	55.1	54	-0.9	+0.5

Note 1: Validation based on EIS data

Note 2: Validation based on IONVR data

A comparison of the modelled versus measured noise levels showed the following:

- A median prediction of - 0.6 dB during the daytime period
- A median prediction of + 0.8 dB during the night-time period.

The measured noise levels are within 2 dB of the predicted noise levels and hence the noise model is considered to be predicting within an acceptable degree of accuracy.

#### 4.3.10 Summary of Predicted Noise Levels for Future Scenarios

The detailed noise level prediction tables are presented in Appendix C and D. The corresponding noise level contour maps for L<sub>Aeq</sub> and L<sub>Amax</sub> are presented in Appendix E, F and G.

There are no predicted exceedances of the established criteria at any noise sensitive receivers on the basis of the assessment conducted in accordance with CoA E22.

It is noted that the one receiver (Floor 2 of R2289) qualifying for treatment under the CSSI EIS assessment no longer qualifies under the ONVR assessment. This is due to changes in the definition of the 'no build' scenarios- the receiver no longer experiences a 2 dB increase as a result of the revised assessment scenarios. Consultation with this resident will be undertaken to explain the outcomes.

The existing noise barrier including the absorptive facing on the track side will be relocated to the revised corridor boundary. The revised noise barrier location is shown in Figure 4 and is described in detailed in Section 5.1.2. Table 18 shows a summary of the highest residential noise levels in each NCA

The only assessed non-residential receivers with an  $L_{Aeq(1hour)}$  trigger level were schools. The schools are only open during daytime hours. The expected average hourly daytime train volume variation is negligible. This is evidenced by the  $L_{Aeq}$  noise levels measured directly adjacent to the rail corridor which consistently shows a constant hour by hour  $L_{Aeq}$  noise level due to train passbys during the daytime. Therefore, the  $L_{Aeq(15hour)}$  and  $L_{Aeq(1hour)}$  noise levels are predicted to be the same in this case. A 10 dB outside to inside noise level reduction was assumed in order to determine an equivalent external trigger level for schools which is based on an  $L_{Aeq(internal)}$  parameter in the RING. The following was found on a per NCA basis:

#### 4.3.10.1 NCA 1

- 23 Residential receivers exceed the daytime criterion of  $L_{Aeq}$  65 dB(A) by 1 – 3 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 48 Residential receivers exceed the night-time criterion of  $L_{Aeq}$  60 dB(A) by 1 – 8 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 23 Residential receivers exceed the criterion of  $L_{Amax}$  85 dB(A) by 1 – 2 dB(A) for the 2033 build scenario. None of these receivers have a noise level increase  $L_{Amax} \geq 3dB$  due to the project.
- No non-residential receivers exceed the  $L_{Aeq}$  criteria when in use.

#### 4.3.10.2 NCA 2

- 7 Residential receivers exceed the daytime criterion of  $L_{Aeq}$  65 dB(A) by 1 – 3 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 72 Residential receivers exceed the night-time criterion of  $L_{Aeq}$  60 dB(A) by 1 – 8 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 4 Residential receivers exceed the criterion of  $L_{Amax}$  85 dB(A) by 1 – 2 dB(A) for the 2033 build scenario. None of these receivers have a noise level increase  $L_{Amax} \geq 3dB$  due to the project.
- No non-residential receivers exceed the  $L_{Aeq}$  criteria when in use.

#### 4.3.10.3 NCA 3

- 15 Residential receivers exceed the daytime criterion of  $L_{Aeq}$  65 dB(A) by 1 – 2 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 23 Residential receivers exceed the night-time criterion of  $L_{Aeq}$  60 dB(A) by 1 – 7 dB(A) for the 2033 build scenario. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.
- 8 Residential receivers exceed the criterion of  $L_{Amax}$  85 dB(A) by 1 dB(A) for the 2033 build scenario. None of these receivers have a noise level increase  $L_{Amax} \geq 3dB$  due to the project.
- 12 non-residential receivers exceed the  $L_{Aeq}$  criterion when in use. None of these receivers has a noise level increase  $L_{Aeq} \geq 2dB$  due to the project.

#### 4.3.10.4 NCA 4

- No residential receivers are within the study area in NCA 4.
- No non-residential receivers exceed the  $L_{Aeq}$  criteria when in use.

Table 18: Summary of highest residential noise levels in each NCA

NCA	ID	FI	2023 No Build			2023 Build			2033 No Build			2033 Build			2033 Increase		
			L <sub>Aeq</sub> , 15 hr	L <sub>Aeq</sub> , 9 hr	L <sub>Amax</sub>	L <sub>Aeq</sub> , 15 hr	L <sub>Aeq</sub> , 9 hr	L <sub>Amax</sub>	L <sub>Aeq</sub> , 15 hr	L <sub>Aeq</sub> , 9 hr	L <sub>Amax</sub>	L <sub>Aeq</sub> , 15 hr	L <sub>Aeq</sub> , 9 hr	L <sub>Amax</sub>	L <sub>Aeq</sub> , 15 hr	L <sub>Aeq</sub> , 9 hr	L <sub>Amax</sub>
NCA 1	R2055	F2	66	65	94	67	66	95	67	68	94	68	68	95	1.6	0.4	0.5
NCA 2	R2109	F1	67	66	95	67	66	95	67	69	95	68	68	95	0.8	-0.3	0.2
NCA 3	R1653	GF	66	65	94	66	65	94	67	68	94	67	67	94	0.8	-0.5	-0.1
NCA 4	n/a – no residential sensitive receivers identified within this NCA.																





Figure 4: Noise barrier location along Broomfield Street

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## 4.4 Operational Vibration Assessment

### 4.4.1 Assessment Process

The following methodology was utilised to assess the potential vibration impacts associated with the operation of the project to address the CoA:

- Identifying key vibration sensitive receivers in the study area.
- Establishing vibration assessment criteria at sensitive receivers.
- Identifying the existing and proposed rail traffic volumes and speeds for the study area.
- Modelling operational vibration for the 2033 design year.
- Assessing operational vibration predictions against the vibration criteria.
- Considering vibration mitigation options where exceedances of the criteria are predicted.

### 4.4.2 Operational Vibration Assessment

The US Federal Transit Administration's 'Transit Noise and Vibration Impact Assessment' report provides a method for estimating the ground surface vibration levels near rail lines. The process involves selecting a base curve for typical ground surface vibration levels. The base curve assumes rail equipment is in good condition and operating at speeds of 80 km/h. Correction factors are then applied to account for different speeds, geological conditions, etc.

The report notes that vibration levels are about proportional to  $20 \log_{10}(\text{speed}/\text{speedref})$ , although the relationship can be as low as  $10$  to  $15 \log_{10}(\text{speed}/\text{speedref})$ . A speed relationship of  $20 \log_{10}(\text{speed}/\text{speedref})$  has been adopted for this assessment.

The Federal Transit Administration's base curve for locomotive-powered freight/passenger trains derived the distance attenuation relationship of ground vibration measurements. Vibration measurements undertaken as part of the EIS/IONVR have also been plotted on Figure 5 and Figure 6. The additional measurement results conducted to further validate the potential contribution of turnouts to operational vibration levels are overlaid on both figures.

Note that these values have been adjusted to the reference speed of 80 km/h, using the  $20 \log_{10}(\text{speed}/\text{speedref})$  relationship.

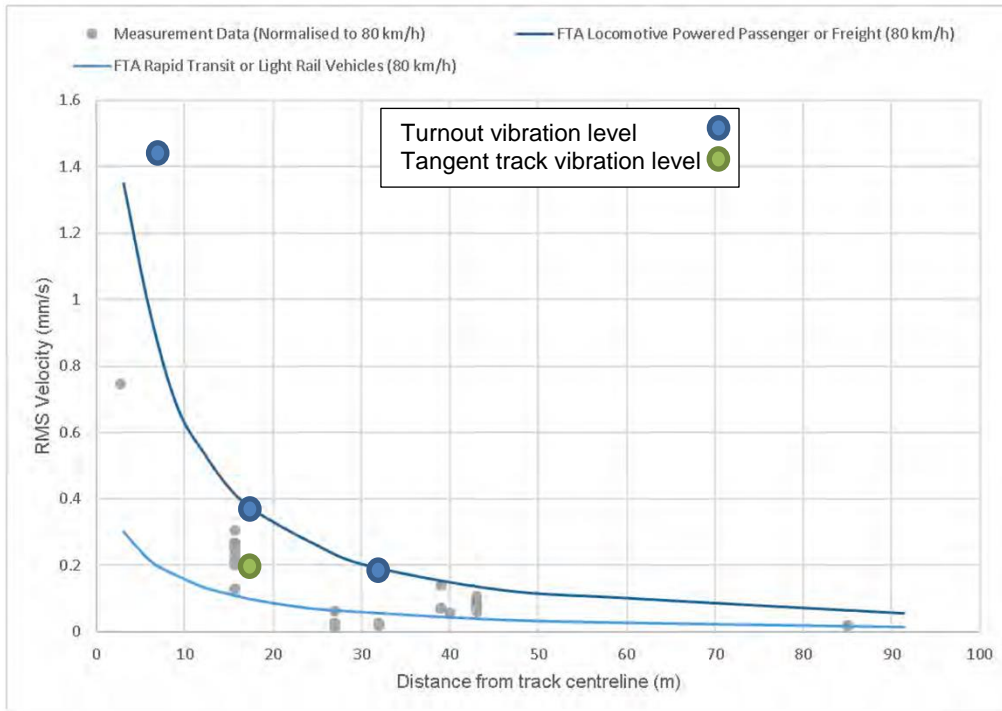


Figure 5: Measured rail vibration (source EIS)

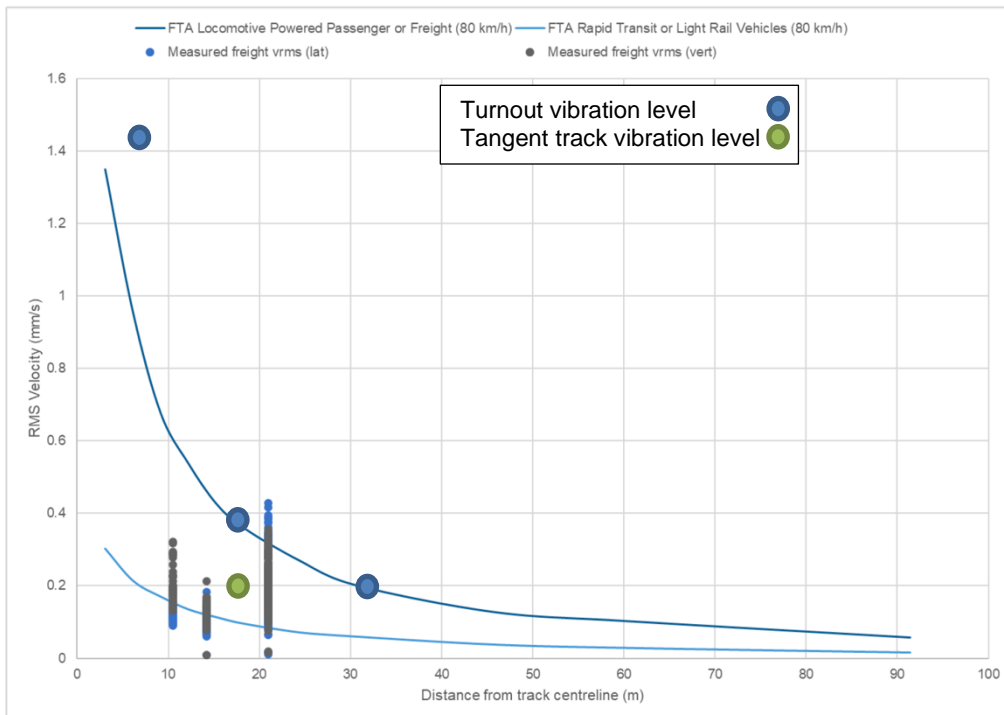


Figure 6: Measured IONVR rail vibration levels (source IONVR)

The measured vibration data presented on Figure 5 and Figure 6 are typically lower than the upper range vibration curve from the FTA guideline. As such, the use of levels from the FTA locomotive curve (for freight) and light rail vehicles (for passenger) for all passbys is appropriate.

Human comfort for operational vibration has been assessed in accordance with British Standard BS 6742-1:1992. The Vibration Dose Value (VDV) provides a cumulative descriptor of the vibration level received for a given period.



BS 6472 provides a method to calculate the estimated VDV using Root Mean Square (RMS) vibration velocity. The estimated VDV is calculated as:  $eVDV = 0.07 \times V_{rms} \times t^{0.25}$  (m/s<sup>1.75</sup>).

- $t$  is the duration of the event. In this case, the sum of the total duration of exposure to railway induced vibration during either the daytime or night-time periods.

The eVDVs for this project have been estimated by adjusting vibration levels for speed, duration and distance from the track and these are in accordance with the assumptions for noise modelling as presented in Table 11 and Table 12 in Section 4.3. The assumed number of trains and train speed is for the future (10 years after opening scenario).

The controlling scenarios with respect to operational vibration levels are as follows:

- **Scenario 1:** Residential receivers on Broomfield Street where the Cabramatta Loop is approximately 5 m closer when compared to the SSFL. The nearest sensitive receiver is located approximately 25 m from the near track.
- **Scenario 2:** Residential receiver on Broomfield Street located approximately 31.5 m from the new northern turnout and 30 m from the Cabramatta Loop.
- **Scenario 3:** Commercial / Industrial receiver (Peter Warren Automotive) located approximately 20 m from the new southern turnout.

Table 19: Predicted eVDVs

Scenario	eVDV Prediction (m/ s <sup>1.75</sup> )		Criteria (m/ s <sup>1.75</sup> ) – Preferred Values	
	Daytime	Night-time	Daytime	Night-time
Scenario 1	0.13	0.11	0.2	0.13
Scenario 2	0.13	0.11	0.2	0.13
Scenario 3	0.18	0.16	0.4	0.4

No residential or commercial/industrial sensitive receivers are predicted to exceed the eVDV criteria.

#### 4.4.3 Ground-borne Noise Assessment

Ground-borne noise is generated inside buildings due to ground vibration induced by train passbys on the adjacent track. Operational ground-borne noise is assessed in accordance with the RING. The RING ground-borne noise trigger levels apply to residential receivers only. The following tests apply in assessing potential impacts:

- The ground-borne noise level exceeds slow-response  $L_{max}$  40 dB(A) and 35 dB(A) during the daytime or night-time respectively in habitable spaces inside residential dwellings; and
- The ground-borne noise level increases by 3 dB(A) or more due to the project; and
- The ground-borne noise level is higher than the corresponding  $L_{Amax}$  airborne noise level.

The following outcomes in relation to the above tests are made following an analysis of predicted ground-borne noise levels at the most potentially impacted residential receivers located on Broomfield Street.

- Ground-borne noise levels ranging between 40 dB(A) to 45 dB(A) are predicted at the nearest sensitive receivers located on Broomfield Street. These levels are based on:
  - measured vibration levels, A-Weighted between 10 Hz and 315 Hz corrected for offset distance from the track.



- 
- The calculations factor in that the Cabramatta Loop track would be approximately 5 m closer to residential receivers.
  - Conversion to noise based on the guidelines provided in the Association of Noise Consultants Red Book.
  - No coupling loss conservatively assumed.
  - 10 dB amplification conservatively assumed.
  - These noise levels are above the absolute trigger level for ground-borne noise inside residential receivers.
  - The increase in ground-borne noise level is predicted to be in the range of 2 dB(A) to 2.5 dB(A) as a result of the closer proximity of the new track.
    - This complies with the noise level increase test required by the RING.
  - Maximum external airborne noise levels are predicted to be in the order of 85 dB(A) at the nearest most potentially affected ground floor receivers located on Broomfield Street.
    - Assuming a 20 dB(A) reduction from outside to inside habitable spaces, the airborne noise component would be higher than the predicted ground-borne noise component. This is to make a more conservative comparison of airborne noise to ground-borne noise because the airborne noise levels would be lower with the windows closed.
    - This complies with the ground-borne noise level being less than the airborne noise level requirement in the RING.

No further consideration of mitigation is required because the ground-borne noise level increase is less than 3 dB and the overall ground-borne noise levels are predicted to be less than the airborne noise component.

## 5 Summary of Stage 3 Noise and Vibration Outcomes

### 5.1 Predicted Noise Levels and Mitigation Requirements

The Stage 3 noise assessment has found the following:

- With the relocation of the existing noise barrier as described below, there are no predicted exceedances of the airborne noise trigger levels.

#### 5.1.1 At-Property Noise Treatments

There are no additional mitigation requirements for the operation of the Project beyond the relocation of the existing noise barrier.

Condition of Approval E23 requires that any mitigation measures that will not be physically affected by works, must be implemented within six (6) months of the commencement of construction in the vicinity of the impacted receiver to minimise construction impacts. For the purpose of Condition E23, operational noise mitigation measures refer to at-property treatments. There are no at-property treatments required as a result of the ONVR. Therefore, no measures that will not be physically affected by the works are required to be implemented within six months of the commencement of construction activity.

#### 5.1.2 Noise Barrier

It was a requirement to relocate the existing noise barrier and investigate further how the noise barrier could be used to mitigate operational noise levels resulting from the Project. An iterative process was conducted in order to determine a minimum noise barrier height such that operational noise levels do not exceed the RING airborne noise trigger levels. Additional considerations from a sustainability perspective included the re-use of existing materials where reasonable and feasible to do so.

- The resulting height of the relocated noise barrier was determined to be a minimum of 4.2 m above top of rail level.
- This minimum height is achieved for the full length of the noise barrier. The extent of the noise barrier in plan-view is shown on Figure 7.
- The noise barrier extends from Chainage 32+200 to approximately 32+880.
- Note that a portion of the existing noise barrier at the northern extent will remain in-situ and not be relocated as part of the project. The relocated noise barrier will abut this section of barrier.
- While the minimum height of 4.2 m above top of rail is maintained along the entire length of noise barrier, due to the topography, build-up of the artwork and retaining wall requirements, the total height of noise barrier does extend higher than 4.2 m above top of rail along a large proportion of the noise barrier extent.
- The height of the noise barrier relative to top of rail is shown on an elevation drawing provided in Appendix H.
- The noise barrier is continuous and extends, approximately to the northern abutment of the Broomfield Street rail underbridge.
- An acoustically absorptive facing (Woodtex) is currently attached to the western face of the existing noise barrier. This material will be re-used insofar as possible when the noise barrier is relocated. A like for like material will be used where additional material is required.

The following general specifications are provided for the construction of the noise barrier:

- The barrier must be continuous without gaps along the length.
- The gap between the bottom of the noise wall must be minimised and then sealed off with a suitable fill material.

- The noise barrier panels are to comprise Hebel panels with a density of greater than 500 kg/m<sup>3</sup>.
- Any replacement absorptive facing should have an NRC of 0.4 or greater.
- During construction, the relocated noise barrier panels will be installed on the new retaining walls prior to demolition of the existing posts. Hence, the noise barrier will be functional during the construction stage as well as from an operational perspective.



Figure 7: Relocated noise barrier



## 5.2 Predicted Ground-borne Noise and Vibration Levels and Mitigation Requirements

No exceedances of operational ground-borne noise and vibration trigger levels are predicted. Therefore, no further consideration of mitigation is required.

## 5.3 Consultation Strategy

CoA E22 requires the ONVR to be developed in consultation with relevant councils. One noise sensitive receiver was eligible for at-property noise treatment as determined by the EIS operational noise assessment. This receiver is no longer eligible on the basis of the detailed design operational noise assessment and consultation will be undertaken with this receiver.

Table 20 details the consultation undertaken with the relevant councils. Appendix I includes the evidence of consultation with Fairfield City Council and Liverpool City Council.

Table 20: Stakeholder consultation strategy

Stakeholder	Methodology	Date
Fairfield City Council	Meeting with council to present the outcomes of the ONVR and to seek feedback on the assessment process and proposed mitigation measures. Meeting minutes, email correspondence and the presentation materials are provided in Appendix I.	28/10/2021
	The ONVR was provided to Council for Review. Email correspondence is provided in Appendix I	5/11/2021
	Council reviewed the ONVR and noted that no additional mitigation measures were proposed over and above the relocated noise wall. No changes were requested. Email correspondence is provided in Appendix I	22/11/2021
Liverpool City Council	Meeting with council to present the outcomes of the ONVR and to seek feedback on the assessment process and proposed mitigation measures. Meeting minutes, email correspondence and the presentation materials are provided in Appendix I.	29/10/2021
	The ONVR was provided to Council for Review. Email correspondence is provided in Appendix I	5/11/2021
	Council reviewed the ONVR and noted that no additional mitigation measures were proposed over and above the relocated noise wall. No changes were requested that altered the outcome of the operational noise and vibration assessment. Email correspondence and a comments sheet is provided in Appendix I.	10/11/2021

## 5.4 Post Construction Operational Noise Compliance Report

A post construction Operational Noise Compliance Report will be completed in accordance with the requirements of CoA E25. The following will be included in the report.

### 5.4.1 Noise Monitoring

After commencement of operation of the Cabramatta Loop, noise monitoring will be conducted within 12 months as required by CoA E25. This monitoring will be undertaken at minimum at the locations shown in Table 21. These are the locations that were chosen for the EIS. If required, additional or alternative locations could be selected in consultation with ARTC.

Table 21: Indicative post construction compliance monitoring locations

Location	NCA	Address	Free- field or façade
L03	01	225 Railway Parade, Cabramatta	Free field
L04	02	150 Broomfield Street, Cabramatta	Façade
L05	02	46a National Street, Cabramatta	Free field
L06	01	41 Church Street, Cabramatta	Free field
L07	03	25 Lawrence Hargrave Road, Warwick Farm	Free field
L10	-	Shroud Park, Cabramatta	Free field

### 5.4.2 Review of Operational Noise Levels

The monitoring results will be compared with the predicted levels in the noise model. If required recalibrations of the noise model to consider factors such as noise monitoring and actual traffic numbers and proportions.

### 5.4.3 Complaints

The Operational Noise Compliance Report will include any complaints and inquiries received in relation to operational noise generated by the CSSI between the date of commencement of operation and the date the report was prepared.

### 5.4.4 Identification of Additional Measures

The Operational Noise Compliance Report will include an assessment on the identification of additional mitigation measures where exceedances of noise criteria have been identified.

## 5.5 ARTC Operational Complaints Management Process

ARTC will be responsible for the operational complaints management. CoA E22i requires a procedure for the management of operational noise and vibration complaints. To address this requirement, an indicative ARTC operational complaints management process is shown in Appendix J.

## Appendix A: Noise Sensitive Receiver Map



# CABRAMATTA LOOP

## Figure A1

### NCA1 Sensitive Receivers

**PROJECT NUMBER** S210520  
**DRAWN BY** MS  
**CHECKED BY** AP  
**DATE ISSUED** October 2021  
**CLIENT** Fulton Hogan  
**PAGE SIZE** A3

#### Legend

Sensitive Receivers

NCA

NCA 1

Receiver type

Active recreation

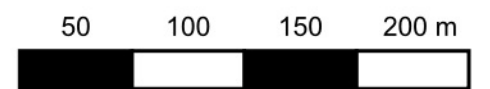
Commercial

Industrial

Residential

Other

Study area



AGD 1966 ISG 56 1

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# CABRAMATTA LOOP

## Figure A2

### NCA2 Sensitive Receivers

**PROJECT NUMBER** S210520  
**DRAWN BY** MS  
**CHECKED BY** AP  
**DATE ISSUED** October 2021  
**CLIENT** Fulton Hogan  
**PAGE SIZE** A3

#### Legend

Sensitive Receivers

NCA

NCA 2

Receiver type

Active recreation

Commercial

Industrial

Residential

Other

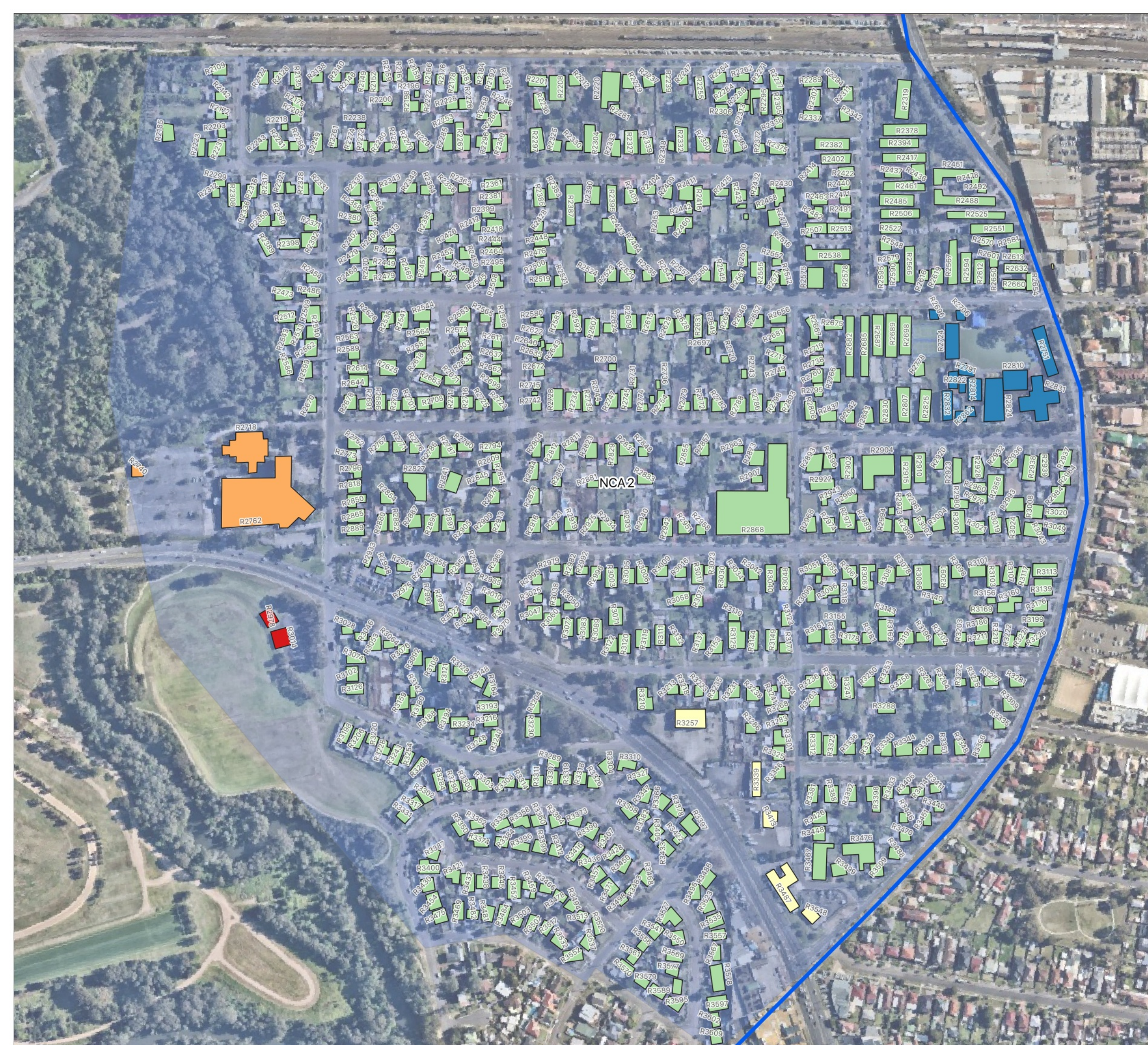
Study area



AGD 1966 ISG 56 1

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# CABRAMATTA LOOP

## Figure A3

### NCA3 Sensitive Receivers

PROJECT NUMBER	S210520
DRAWN BY	MS
CHECKED BY	AP
DATE ISSUED	October 2021
CLIENT	Fulton Hogan
PAGE SIZE	A3


#### Legend

Sensitive Receivers

NCA

 NCA3

Receiver type

 Active recreation

 Commercial

 Industrial

 Residential

 Other

 Study area



50 100 150 200 m

AGD 1966 ISG 56 1

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**CABRAMATTA LOOP**  
**Figure A4**  
**NCA4 Sensitive Receivers**

**PROJECT NUMBER** S210520  
**DRAWN BY** MS  
**CHECKED BY** AP  
**DATE ISSUED** October 2021  
**CLIENT** Fulton Hogan  
**PAGE SIZE** A3

**Legend**

Sensitive Receivers

NCA

NCA4

Receiver type

Active recreation

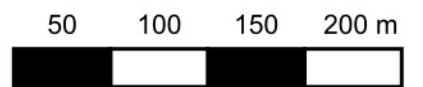
Commercial

Industrial

Residential

Other

Study area



AGD 1966 ISG 56 1

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## Appendix B: Noise Sensitive Receivers Table

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0010	162 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0011	38 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0012	11 RENSRAW STREET WARWICK FARM	Residential	3
R0013	160 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0014	40 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0015	9 RENSRAW STREET WARWICK FARM	Residential	3
R0017	2 DAVY STREET WARWICK FARM	Residential	3
R0018	158 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0019	29 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0020	7 RENSRAW STREET WARWICK FARM	Residential	3
R0021	42 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0022	4 DAVY STREET WARWICK FARM	Residential	3
R0023	13 TRIPP STREET WARWICK FARM	Residential	3
R0024	6 DAVY STREET WARWICK FARM	Residential	3
R0025	156 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0027	51 HINKLER AVENUE WARWICK FARM	Residential	3
R0028	16 RENSRAW STREET WARWICK FARM	Residential	3
R0029	49 HINKLER AVENUE WARWICK FARM	Residential	3
R0030	5 TRIPP STREET WARWICK FARM	Residential	3
R0031	1 TRIPP STREET WARWICK FARM	Residential	3
R0032	3 TRIPP STREET WARWICK FARM	Residential	3
R0033	11 TRIPP STREET WARWICK FARM	Residential	3
R0034	31 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0035	5 RENSRAW STREET WARWICK FARM	Residential	3
R0036	7 TRIPP STREET WARWICK FARM	Residential	3
R0037	44 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0038	9 TRIPP STREET WARWICK FARM	Residential	3
R0039	47 HINKLER AVENUE WARWICK FARM	Residential	3
R0039	47 HINKLER AVENUE WARWICK FARM	Residential	3
R0040	154 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0041	14 RENSRAW STREET WARWICK FARM	Residential	3
R0043	3 RENSRAW STREET WARWICK FARM	Residential	3
R0044	11 TRIPP STREET WARWICK FARM	Residential	3
R0045	33 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0046	45 HINKLER AVENUE WARWICK FARM	Residential	3
R0047	145 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0048	12 RENSRAW STREET WARWICK FARM	Residential	3
R0050	14 MCCARTNEY STREET WARWICK FARM	Residential	3
R0051	43 HINKLER AVENUE WARWICK FARM	Residential	3
R0052	143 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0053	35 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0054	12 MCCARTNEY STREET WARWICK FARM	Residential	3
R0055	54 HINKLER AVENUE WARWICK FARM	Residential	3
R0055	54 HINKLER AVENUE WARWICK FARM	Residential	3
R0056	10 MCCARTNEY STREET WARWICK FARM	Residential	3
R0057	6 MCCARTNEY STREET WARWICK FARM	Residential	3
R0058	10 RENSRAW STREET WARWICK FARM	Residential	3
R0059	16 MCCARTNEY STREET WARWICK FARM	Residential	3
R0060	41 HINKLER AVENUE WARWICK FARM	Residential	3
R0060	41 HINKLER AVENUE WARWICK FARM	Residential	3
R0061	8 MCCARTNEY STREET WARWICK FARM	Residential	3
R0062	152 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0063	4 MCCARTNEY STREET WARWICK FARM	Residential	3
R0064	50 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0065	2 MCCARTNEY STREET WARWICK FARM	Residential	3
R0066	8 RENSRAW STREET WARWICK FARM	Residential	3
R0067	4 RENSRAW STREET WARWICK FARM	Residential	3
R0068	6 RENSRAW STREET WARWICK FARM	Residential	3
R0069	37 WILLIAMSON CRESCENT WARWICK FARM	Residential	3

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0071	52 HINKLER AVENUE WARWICK FARM	Residential	3
R0072	52 HINKLER AVENUE WARWICK FARM	Residential	3
R0074	6 CARROLL STREET WARWICK FARM	Residential	3
R0075	150 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0075	150 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0076	4 CARROLL STREET WARWICK FARM	Residential	3
R0077	15 MCCARTNEY STREET WARWICK FARM	Residential	3
R0079	39 HINKLER AVENUE WARWICK FARM	Residential	3
R0080	39 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0081	52 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0084	50 HINKLER AVENUE WARWICK FARM	Residential	3
R0085	50 HINKLER AVENUE WARWICK FARM	Residential	3
R0085	50 HINKLER AVENUE WARWICK FARM	Residential	3
R0086	7 CARROLL STREET WARWICK FARM	Residential	3
R0087	37 HINKLER AVENUE WARWICK FARM	Residential	3
R0089	148 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0090	37 HINKLER AVENUE WARWICK FARM	Residential	3
R0090	37 HINKLER AVENUE WARWICK FARM	Residential	3
R0091	13 MCCARTNEY STREET WARWICK FARM	Residential	3
R0092	41 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0093	9 MCCARTNEY STREET WARWICK FARM	Residential	3
R0095	3 MCCARTNEY STREET WARWICK FARM	Residential	3
R0096	139 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0097	7 MCCARTNEY STREET WARWICK FARM	Residential	3
R0098	5 MCCARTNEY STREET WARWICK FARM	Residential	3
R0099	11 MCCARTNEY STREET WARWICK FARM	Residential	3
R0101	48 HINKLER AVENUE WARWICK FARM	Residential	3
R0102	5 CARROLL STREET WARWICK FARM	Residential	3
R0103	146 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0104	35 HINKLER AVENUE WARWICK FARM	Residential	3
R0105	43 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0106	137 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0107	46 HINKLER AVENUE WARWICK FARM	Residential	3
R0108	3 CARROLL STREET WARWICK FARM	Residential	3
R0110	144 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0111	45 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0112	54 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0115	33 HINKLER AVENUE WARWICK FARM	Residential	3
R0115	33 HINKLER AVENUE WARWICK FARM	Residential	3
R0116	16 STOKOE STREET WARWICK FARM	Residential	3
R0117	12 STOKOE STREET WARWICK FARM	Residential	3
R0118	44 HINKLER AVENUE WARWICK FARM	Residential	3
R0119	135 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0120	14 STOKOE STREET WARWICK FARM	Residential	3
R0121	18 STOKOE STREET WARWICK FARM	Residential	3
R0123	10 STOKOE STREET WARWICK FARM	Residential	3
R0124	56 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0125	8 STOKOE STREET WARWICK FARM	Residential	3
R0126	10 SIMMONS STREET WARWICK FARM	Residential	3
R0127	12 SIMMONS STREET WARWICK FARM	Residential	3
R0128	6 STOKOE STREET WARWICK FARM	Residential	3
R0129	45 MCGIRR PARADE WARWICK FARM	Residential	3
R0130	47 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0131	133 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0132	4 STOKOE STREET WARWICK FARM	Residential	3
R0133	142 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0134	8 SIMMONS STREET WARWICK FARM	Residential	3
R0135	42 HINKLER AVENUE WARWICK FARM	Residential	3
R0137	19 STOKOE STREET WARWICK FARM	Residential	3

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0138	6 SIMMONS STREET WARWICK FARM	Residential	3
R0139	49 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0140	13 SIMMONS STREET WARWICK FARM	Residential	3
R0141	140 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0142	40 HINKLER AVENUE WARWICK FARM	Residential	3
R0142	40 HINKLER AVENUE WARWICK FARM	Residential	3
R0143	43 MCGIRR PARADE WARWICK FARM	Residential	3
R0143	43 MCGIRR PARADE WARWICK FARM	Residential	3
R0144	4 SIMMONS STREET WARWICK FARM	Residential	3
R0145	94 SHETLAND DRIVE MOAMA	Residential	3
R0146	2 SIMMONS STREET WARWICK FARM	Residential	3
R0147	35 MCGIRR PARADE WARWICK FARM	Residential	3
R0148	41 MCGIRR PARADE WARWICK FARM	Residential	3
R0149	17 STOKOE STREET WARWICK FARM	Residential	3
R0151	39 MCGIRR PARADE WARWICK FARM	Residential	3
R0151	39 MCGIRR PARADE WARWICK FARM	Residential	3
R0152	11 SIMMONS STREET WARWICK FARM	Residential	3
R0153	51 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0154	38 HINKLER AVENUE WARWICK FARM	Residential	3
R0155	38 HINKLER AVENUE WARWICK FARM	Residential	3
R0158	13 STOKOE STREET WARWICK FARM	Residential	3
R0159	138 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0160	15 STOKOE STREET WARWICK FARM	Residential	3
R0161	11 STOKOE STREET WARWICK FARM	Residential	3
R0163	9 STOKOE STREET WARWICK FARM	Residential	3
R0164	94 SHETLAND DRIVE MOAMA	Residential	3
R0164	94 SHETLAND DRIVE MOAMA	Residential	3
R0165	131 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0166	7 STOKOE STREET WARWICK FARM	Residential	3
R0168	5 STOKOE STREET WARWICK FARM	Residential	3
R0169	3 STOKOE STREET WARWICK FARM	Residential	3
R0170	9 SIMMONS STREET WARWICK FARM	Residential	3
R0171	33 MCGIRR PARADE WARWICK FARM	Residential	3
R0171	33 MCGIRR PARADE WARWICK FARM	Residential	3
R0172	131 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0174	7 SIMMONS STREET WARWICK FARM	Residential	3
R0175	36 HINKLER AVENUE WARWICK FARM	Residential	3
R0176	31 MCGIRR PARADE WARWICK FARM	Residential	3
R0177	5 SIMMONS STREET WARWICK FARM	Residential	3
R0178	53 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0179	26 PHILLIP AVENUE CABRAMATTA	Residential	1
R0180	136 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0181	36 HINKLER AVENUE WARWICK FARM	Residential	3
R0182	3 SIMMONS STREET WARWICK FARM	Residential	3
R0183	129 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0184	3 STOKOE STREET WARWICK FARM	Residential	3
R0185	60 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0186	24 PHILLIP AVENUE CABRAMATTA	Residential	1
R0187	65 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0188	61 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0189	22 PHILLIP AVENUE CABRAMATTA	Residential	1
R0189	22 PHILLIP AVENUE CABRAMATTA	Residential	1
R0190	38 MCGIRR PARADE WARWICK FARM	Residential	3
R0190	38 MCGIRR PARADE WARWICK FARM	Residential	3
R0191	59 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0192	20 PHILLIP AVENUE CABRAMATTA	Residential	1
R0193	31 MCGIRR PARADE WARWICK FARM	Residential	3
R0193	31 MCGIRR PARADE WARWICK FARM	Residential	3
R0195	57 WILLIAMSON CRESCENT WARWICK FARM	Residential	3



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0196	18 PHILLIP AVENUE CABRAMATTA	Residential	1
R0197	55 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0197	55 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0198	40 MCGIRR PARADE WARWICK FARM	Residential	3
R0199	63 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0200	34 HINKLER AVENUE WARWICK FARM	Residential	3
R0200	34 HINKLER AVENUE WARWICK FARM	Residential	3
R0201	16 PHILLIP AVENUE CABRAMATTA	Residential	1
R0202	55B WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0202	55B WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0203	134 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0204	14 PHILLIP AVENUE CABRAMATTA	Residential	1
R0205	67 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0206	12 PHILLIP AVENUE CABRAMATTA	Residential	1
R0207	62 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0208	36 MCGIRR PARADE WARWICK FARM	Residential	3
R0208	36 MCGIRR PARADE WARWICK FARM	Residential	3
R0209	10 PHILLIP AVENUE CABRAMATTA	Residential	1
R0210	69 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0211	38 MCGIRR PARADE WARWICK FARM	Residential	3
R0212	8 PHILLIP AVENUE CABRAMATTA	Residential	1
R0213	127 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0214	6 PHILLIP AVENUE CABRAMATTA	Residential	1
R0215	71 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0216	4 PHILLIP AVENUE CABRAMATTA	Residential	1
R0216	4 PHILLIP AVENUE CABRAMATTA	Residential	1
R0216	4 PHILLIP AVENUE CABRAMATTA	Residential	1
R0217	34 MCGIRR PARADE WARWICK FARM	Residential	3
R0219	2 PHILLIP AVENUE CABRAMATTA	Residential	1
R0220	73 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0222	32 HINKLER AVENUE WARWICK FARM	Residential	3
R0222	32 HINKLER AVENUE WARWICK FARM	Residential	3
R0223	62 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0225	324 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0225	324 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0226	132 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0227	75 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0229	31 HINKLER AVENUE WARWICK FARM	Residential	3
R0230	29 MCGIRR PARADE WARWICK FARM	Residential	3
R0231	12 PHILLIP AVENUE CABRAMATTA	Residential	1
R0233	27 GRACE AVENUE CABRAMATTA	Residential	1
R0234	25 GRACE AVENUE CABRAMATTA	Residential	1
R0235	21 GRACE AVENUE CABRAMATTA	Residential	1
R0236	125 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0237	64 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0238	23 GRACE AVENUE CABRAMATTA	Residential	1
R0239	31 HINKLER AVENUE WARWICK FARM	Residential	3
R0242	30 HINKLER AVENUE WARWICK FARM	Residential	3
R0243	27 GRACE AVENUE CABRAMATTA	Residential	1
R0243	27 GRACE AVENUE CABRAMATTA	Residential	1
R0244	322 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0246	32 MCGIRR PARADE WARWICK FARM	Residential	3
R0247	322 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0249	66 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0250	19 GRACE AVENUE CABRAMATTA	Residential	1
R0250	19 GRACE AVENUE CABRAMATTA	Residential	1
R0251	17 GRACE AVENUE CABRAMATTA	Residential	1
R0251	17 GRACE AVENUE CABRAMATTA	Residential	1
R0252	29 HINKLER AVENUE WARWICK FARM	Residential	3

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0254	27 MCGIRR PARADE WARWICK FARM	Residential	3
R0254	27 MCGIRR PARADE WARWICK FARM	Residential	3
R0255	15 GRACE AVENUE CABRAMATTA	Residential	1
R0258	130 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0259	68 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0260	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0260	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0261	29 GRACE AVENUE CABRAMATTA	Residential	1
R0262	68 WILLIAMSON CRESCENT WARWICK FARM	Residential	3
R0263	27 MCGIRR PARADE WARWICK FARM	Residential	3
R0264	13 GRACE AVENUE CABRAMATTA	Residential	1
R0267	11 GRACE AVENUE CABRAMATTA	Residential	1
R0268	30 MCGIRR PARADE WARWICK FARM	Residential	3
R0269	28 HINKLER AVENUE WARWICK FARM	Residential	3
R0270	320 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0270	320 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0271	9 GRACE AVENUE CABRAMATTA	Residential	1
R0271	9 GRACE AVENUE CABRAMATTA	Residential	1
R0273	7 GRACE AVENUE CABRAMATTA	Residential	1
R0273	7 GRACE AVENUE CABRAMATTA	Residential	1
R0274	27 HINKLER AVENUE WARWICK FARM	Residential	3
R0276	3 GRACE AVENUE CABRAMATTA	Residential	1
R0276	3 GRACE AVENUE CABRAMATTA	Residential	1
R0277	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0277	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0280	25 MCGIRR PARADE WARWICK FARM	Residential	3
R0283	5 GRACE AVENUE CABRAMATTA	Residential	1
R0283	5 GRACE AVENUE CABRAMATTA	Residential	1
R0284	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0285	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0285	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0288	128 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0290	28 MCGIRR PARADE WARWICK FARM	Residential	3
R0290	28 MCGIRR PARADE WARWICK FARM	Residential	3
R0291	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0292	1 GRACE AVENUE CABRAMATTA	Residential	1
R0292	1 GRACE AVENUE CABRAMATTA	Residential	1
R0293	25 HINKLER AVENUE WARWICK FARM	Residential	3
R0294	24A SOLDIERS ROAD JANNALI	Residential	3
R0294	24A SOLDIERS ROAD JANNALI	Residential	3
R0295	318 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0295	318 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0301	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0302	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0302	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0304	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0305	23 MCGIRR PARADE WARWICK FARM	Residential	3
R0306	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0307	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0308	26 MCGIRR PARADE WARWICK FARM	Residential	3
R0309	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0309	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0312	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0314	21 HINKLER AVENUE WARWICK FARM	Residential	3
R0314	21 HINKLER AVENUE WARWICK FARM	Residential	3
R0314	21 HINKLER AVENUE WARWICK FARM	Residential	3
R0318	16 GRACE AVENUE CABRAMATTA	Residential	1
R0319	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0319	17 ALADORE AVENUE CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0321	24 HINKLER AVENUE WARWICK FARM	Residential	3
R0323	21 MCGIRR PARADE WARWICK FARM	Residential	3
R0324	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0324	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0325	24 MCGIRR PARADE WARWICK FARM	Residential	3
R0326	14 GRACE AVENUE CABRAMATTA	Residential	1
R0327	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0327	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0328	12 GRACE AVENUE CABRAMATTA	Residential	1
R0328	12 GRACE AVENUE CABRAMATTA	Residential	1
R0329	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0331	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0331	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0332	10 GRACE AVENUE CABRAMATTA	Residential	1
R0332	10 GRACE AVENUE CABRAMATTA	Residential	1
R0333	22 HINKLER AVENUE WARWICK FARM	Residential	3
R0334	8 GRACE AVENUE CABRAMATTA	Residential	1
R0334	8 GRACE AVENUE CABRAMATTA	Residential	1
R0335	22 HINKLER AVENUE WARWICK FARM	Residential	3
R0337	6 GRACE AVENUE CABRAMATTA	Residential	1
R0339	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0339	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0339	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0339	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0340	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0340	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0341	4 GRACE AVENUE CABRAMATTA	Residential	1
R0343	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0343	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0345	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0345	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0348	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0348	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0349	2 GRACE AVENUE CABRAMATTA	Residential	1
R0349	2 GRACE AVENUE CABRAMATTA	Residential	1
R0353	22 MCGIRR PARADE WARWICK FARM	Residential	3
R0354	19 HINKLER AVENUE WARWICK FARM	Residential	3
R0354	19 HINKLER AVENUE WARWICK FARM	Residential	3
R0355	19 MCGIRR PARADE WARWICK FARM	Residential	3
R0355	19 MCGIRR PARADE WARWICK FARM	Residential	3
R0362	20 HINKLER AVENUE WARWICK FARM	Residential	3
R0363	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0363	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0364	20 MCGIRR PARADE WARWICK FARM	Residential	3
R0365	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0365	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0366	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0366	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0367	17 HINKLER AVENUE WARWICK FARM	Residential	3
R0368	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0369	17 HINKLER AVENUE WARWICK FARM	Residential	3
R0375	18 HINKLER AVENUE WARWICK FARM	Residential	3
R0376	18 HINKLER AVENUE WARWICK FARM	Residential	3
R0377	17 MCGIRR PARADE WARWICK FARM	Residential	3
R0378	59 JASMINE CRESCENT CABRAMATTA	Residential	1
R0379	17 MCGIRR PARADE WARWICK FARM	Residential	3
R0380	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0380	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0382	9 ALADORE AVENUE CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0383	61 JASMINE CRESCENT CABRAMATTA	Residential	1
R0383	61 JASMINE CRESCENT CABRAMATTA	Residential	1
R0384	57 JASMINE CRESCENT CABRAMATTA	Residential	1
R0385	18 MCGIRR PARADE WARWICK FARM	Residential	3
R0385	18 MCGIRR PARADE WARWICK FARM	Residential	3
R0386	7 ALADORE AVENUE CABRAMATTA	Residential	1
R0387	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0387	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0388	55 JASMINE CRESCENT CABRAMATTA	Residential	1
R0391	46 GALLOP STREET WARWICK FARM	Residential	3
R0392	15 HINKLER AVENUE WARWICK FARM	Residential	3
R0393	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0393	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0396	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0397	45 JASMINE CRESCENT CABRAMATTA	Residential	1
R0399	51 JASMINE CRESCENT CABRAMATTA	Residential	1
R0401	53 JASMINE CRESCENT CABRAMATTA	Residential	1
R0402	63 JASMINE CRESCENT CABRAMATTA	Residential	1
R0403	15 ALADORE AVENUE CABRAMATTA	Residential	1
R0404	49 JASMINE CRESCENT CABRAMATTA	Residential	1
R0405	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0405	296 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0408	15 MCGIRR PARADE WARWICK FARM	Residential	3
R0409	47 JASMINE CRESCENT CABRAMATTA	Residential	1
R0410	13 ALADORE AVENUE CABRAMATTA	Residential	1
R0411	1 ALADORE AVENUE CABRAMATTA	Residential	1
R0411	1 ALADORE AVENUE CABRAMATTA	Residential	1
R0412	9 ALADORE AVENUE CABRAMATTA	Residential	1
R0413	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0413	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0413	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0414	5 ALADORE AVENUE CABRAMATTA	Residential	1
R0414	5 ALADORE AVENUE CABRAMATTA	Residential	1
R0416	31 GALLOP STREET WARWICK FARM	Residential	3
R0417	39 JASMINE CRESCENT CABRAMATTA	Residential	1
R0418	43 JASMINE CRESCENT CABRAMATTA	Residential	1
R0419	11 ALADORE AVENUE CABRAMATTA	Residential	1
R0419	11 ALADORE AVENUE CABRAMATTA	Residential	1
R0420	3 ALADORE AVENUE CABRAMATTA	Residential	1
R0421	16 MCGIRR PARADE WARWICK FARM	Residential	3
R0421	16 MCGIRR PARADE WARWICK FARM	Residential	3
R0422	45 JASMINE CRESCENT CABRAMATTA	Residential	1
R0423	65 JASMINE CRESCENT CABRAMATTA	Residential	1
R0424	44 GALLOP STREET WARWICK FARM	Residential	3
R0425	16 HINKLER AVENUE WARWICK FARM	Residential	3
R0425	16 HINKLER AVENUE WARWICK FARM	Residential	3
R0426	13 HINKLER AVENUE WARWICK FARM	Residential	3
R0427	41 JASMINE CRESCENT CABRAMATTA	Residential	1
R0428	294 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0430	7 ALADORE AVENUE CABRAMATTA	Residential	1
R0434	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0434	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0436	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0436	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0437	37 JASMINE CRESCENT CABRAMATTA	Residential	1
R0438	WILLIAMSON CRESCENT WARWICK FARM	Active recreation	3
R0439	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0439	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0441	44 GALLOP STREET WARWICK FARM	Residential	3



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0442	92 SUSSEX STREET CABRAMATTA	Residential	1
R0443	13 MCGIRR PARADE WARWICK FARM	Residential	3
R0445	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0446	14 MCGIRR PARADE WARWICK FARM	Residential	3
R0447	67 JASMINE CRESCENT CABRAMATTA	Residential	1
R0448	11 HINKLER AVENUE WARWICK FARM	Residential	3
R0448	11 HINKLER AVENUE WARWICK FARM	Residential	3
R0451	42 GALLOP STREET WARWICK FARM	Residential	3
R0452	76 CARAVAN HEAD ROAD OYSTER BAY	Residential	3
R0452	76 CARAVAN HEAD ROAD OYSTER BAY	Residential	3
R0452	76 CARAVAN HEAD ROAD OYSTER BAY	Residential	3
R0454	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0454	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0455	35 JASMINE CRESCENT CABRAMATTA	Residential	1
R0456	44 JASMINE CRESCENT CABRAMATTA	Residential	1
R0457	49 CARABEEN STREET CABRAMATTA	Residential	1
R0458	46 JASMINE CRESCENT CABRAMATTA	Residential	1
R0460	42 JASMINE CRESCENT CABRAMATTA	Residential	1
R0461	51 CARABEEN STREET CABRAMATTA	Residential	1
R0463	17 ALADORE AVENUE CABRAMATTA	Residential	1
R0464	40 JASMINE CRESCENT CABRAMATTA	Residential	1
R0465	12 MCGIRR PARADE WARWICK FARM	Residential	3
R0465	12 MCGIRR PARADE WARWICK FARM	Residential	3
R0466	90 SUSSEX STREET CABRAMATTA	Residential	1
R0467	69 JASMINE CRESCENT CABRAMATTA	Residential	1
R0468	11 MCGIRR PARADE WARWICK FARM	Residential	3
R0469	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0470	38 JASMINE CRESCENT CABRAMATTA	Residential	1
R0471	9 HINKLER AVENUE WARWICK FARM	Residential	3
R0472	40 GALLOP STREET WARWICK FARM	Residential	3
R0473	36 BEGONIA AVENUE CABRAMATTA	Residential	1
R0477	16 ALADORE AVENUE CABRAMATTA	Residential	1
R0478	47 CARABEEN STREET CABRAMATTA	Residential	1
R0478	47 CARABEEN STREET CABRAMATTA	Residential	1
R0479	33 JASMINE CRESCENT CABRAMATTA	Residential	1
R0482	49 CARABEEN STREET CABRAMATTA	Residential	1
R0483	37 NICHOLLS STREET WARWICK FARM	Active recreation	3
R0483	37 NICHOLLS STREET WARWICK FARM	Active recreation	3
R0484	43 CARABEEN STREET CABRAMATTA	Residential	1
R0485	14 ALADORE AVENUE CABRAMATTA	Residential	1
R0485	14 ALADORE AVENUE CABRAMATTA	Residential	1
R0487	292 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0487	292 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0489	34 JASMINE CRESCENT CABRAMATTA	Residential	1
R0490	25 GALLOP STREET WARWICK FARM	Residential	3
R0491	45 CARABEEN STREET CABRAMATTA	Residential	1
R0492	39 CARABEEN STREET CABRAMATTA	Residential	1
R0493	12 ALADORE AVENUE CABRAMATTA	Residential	1
R0493	12 ALADORE AVENUE CABRAMATTA	Residential	1
R0495	88 SUSSEX STREET CABRAMATTA	Residential	1
R0496	32 JASMINE CRESCENT CABRAMATTA	Residential	1
R0497	10 ALADORE AVENUE CABRAMATTA	Residential	1
R0498	71 JASMINE CRESCENT CABRAMATTA	Residential	1
R0500	33 CARABEEN STREET CABRAMATTA	Residential	1
R0500	33 CARABEEN STREET CABRAMATTA	Residential	1
R0501	10 MCGIRR PARADE WARWICK FARM	Residential	3
R0501	10 MCGIRR PARADE WARWICK FARM	Residential	3
R0503	7 HINKLER AVENUE WARWICK FARM	Residential	3
R0503	7 HINKLER AVENUE WARWICK FARM	Residential	3



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0504	8 ALADORE AVENUE CABRAMATTA	Residential	1
R0504	8 ALADORE AVENUE CABRAMATTA	Residential	1
R0505	2 ALADORE AVENUE CABRAMATTA	Residential	1
R0505	2 ALADORE AVENUE CABRAMATTA	Residential	1
R0506	41 CARABEEN STREET CABRAMATTA	Residential	1
R0507	10 HINKLER AVENUE WARWICK FARM	Residential	3
R0507	10 HINKLER AVENUE WARWICK FARM	Residential	3
R0508	9 MCGIRR PARADE WARWICK FARM	Residential	3
R0509	102 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0512	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0512	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0513	38 GALLOP STREET WARWICK FARM	Residential	3
R0514	30 JASMINE CRESCENT CABRAMATTA	Residential	1
R0515	27 CARABEEN STREET CABRAMATTA	Residential	1
R0516	95 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R0518	31 JASMINE CRESCENT CABRAMATTA	Residential	1
R0519	6 ALADORE AVENUE CABRAMATTA	Residential	1
R0520	31 CARABEEN STREET CABRAMATTA	Residential	1
R0520	31 CARABEEN STREET CABRAMATTA	Residential	1
R0521	37 CARABEEN STREET CABRAMATTA	Residential	1
R0521	37 CARABEEN STREET CABRAMATTA	Residential	1
R0522	25 CARABEEN STREET CABRAMATTA	Residential	1
R0523	35 CARABEEN STREET CABRAMATTA	Residential	1
R0524	2 EVE COURT CABRAMATTA	Residential	1
R0525	4 EVE COURT CABRAMATTA	Residential	1
R0526	9 MCGIRR PARADE WARWICK FARM	Residential	3
R0527	4 ALADORE AVENUE CABRAMATTA	Residential	1
R0530	290 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0533	73 JASMINE CRESCENT CABRAMATTA	Residential	1
R0534	6 EVE COURT CABRAMATTA	Residential	1
R0534	6 EVE COURT CABRAMATTA	Residential	1
R0535	290 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0537	28 BEGONIA AVENUE CABRAMATTA	Residential	1
R0537	28 BEGONIA AVENUE CABRAMATTA	Residential	1
R0538	100 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0539	86 SUSSEX STREET CABRAMATTA	Residential	1
R0541	31 BEGONIA AVENUE CABRAMATTA	Residential	1
R0542	27 CARABEEN STREET CABRAMATTA	Residential	1
R0544	21 CARABEEN STREET CABRAMATTA	Residential	1
R0545	8 MCGIRR PARADE WARWICK FARM	Residential	3
R0546	29 CARABEEN STREET CABRAMATTA	Residential	1
R0547	7 MCGIRR PARADE WARWICK FARM	Residential	3
R0550	28 JASMINE CRESCENT CABRAMATTA	Residential	1
R0551	25 CARABEEN STREET CABRAMATTA	Residential	1
R0551	25 CARABEEN STREET CABRAMATTA	Residential	1
R0552	36 GALLOP STREET WARWICK FARM	Residential	3
R0553	5 HINKLER AVENUE WARWICK FARM	Residential	3
R0554	8 EVE COURT CABRAMATTA	Residential	1
R0555	29 JASMINE CRESCENT CABRAMATTA	Residential	1
R0555	29 JASMINE CRESCENT CABRAMATTA	Residential	1
R0556	28 JASMINE CRESCENT CABRAMATTA	Residential	1
R0557	3 MCGIRR PARADE WARWICK FARM	Residential	3
R0557	3 MCGIRR PARADE WARWICK FARM	Residential	3
R0558	23 CARABEEN STREET CABRAMATTA	Residential	1
R0559	17 CARABEEN STREET CABRAMATTA	Residential	1
R0561	288 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0563	6 ALADORE AVENUE CABRAMATTA	Residential	1
R0564	98 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0565	26 BEGONIA AVENUE CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0566	288 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0567	21 CARABEEN STREET CABRAMATTA	Residential	1
R0568	75 JASMINE CRESCENT CABRAMATTA	Residential	1
R0569	23 BOLIVIA STREET CABRAMATTA	Residential	1
R0569	23 BOLIVIA STREET CABRAMATTA	Residential	1
R0572	19 CARABEEN STREET CABRAMATTA	Residential	1
R0573	15 CARABEEN STREET CABRAMATTA	Residential	1
R0574	17 CARABEEN STREET CABRAMATTA	Residential	1
R0574	17 CARABEEN STREET CABRAMATTA	Residential	1
R0576	50 CARABEEN STREET CABRAMATTA	Residential	1
R0576	50 CARABEEN STREET CABRAMATTA	Residential	1
R0577	84 SUSSEX STREET CABRAMATTA	Residential	1
R0577	84 SUSSEX STREET CABRAMATTA	Residential	1
R0578	3 HINKLER AVENUE WARWICK FARM	Residential	3
R0579	29 BEGONIA AVENUE CABRAMATTA	Residential	1
R0580	12 DRAYTON CRESCENT THORNTON	Residential	3
R0580	12 DRAYTON CRESCENT THORNTON	Residential	3
R0580	12 DRAYTON CRESCENT THORNTON	Residential	3
R0582	34 GALLOP STREET WARWICK FARM	Residential	3
R0584	26 JASMINE CRESCENT CABRAMATTA	Residential	1
R0585	27 JASMINE CRESCENT CABRAMATTA	Residential	1
R0587	48 CARABEEN STREET CABRAMATTA	Residential	1
R0589	13 CARABEEN STREET CABRAMATTA	Residential	1
R0590	11 CARABEEN STREET CABRAMATTA	Residential	1
R0590	11 CARABEEN STREET CABRAMATTA	Residential	1
R0591	46 CARABEEN STREET CABRAMATTA	Residential	1
R0592	7 CARABEEN STREET CABRAMATTA	Residential	1
R0592	7 CARABEEN STREET CABRAMATTA	Residential	1
R0593	7 EVE COURT CABRAMATTA	Residential	1
R0594	286 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0594	286 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0595	50 JASMINE CRESCENT CABRAMATTA	Residential	1
R0596	9 CARABEEN STREET CABRAMATTA	Residential	1
R0598	77 JASMINE CRESCENT CABRAMATTA	Residential	1
R0600	6 MCGIRR PARADE WARWICK FARM	Residential	3
R0601	24 BEGONIA AVENUE CABRAMATTA	Residential	1
R0603	1 HINKLER AVENUE WARWICK FARM	Residential	3
R0604	44 CARABEEN STREET CABRAMATTA	Residential	1
R0606	82 SUSSEX STREET CABRAMATTA	Residential	1
R0609	3 CARABEEN STREET CABRAMATTA	Residential	1
R0609	3 CARABEEN STREET CABRAMATTA	Residential	1
R0610	42 CARABEEN STREET CABRAMATTA	Residential	1
R0611	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0611	39 HUME HIGHWAY WARWICK FARM	Residential	3
R0613	27 BEGONIA AVENUE CABRAMATTA	Residential	1
R0614	5 CARABEEN STREET CABRAMATTA	Residential	1
R0615	40 CARABEEN STREET CABRAMATTA	Residential	1
R0617	38 CARABEEN STREET CABRAMATTA	Residential	1
R0620	1 CARABEEN STREET CABRAMATTA	Residential	1
R0622	24 JASMINE CRESCENT CABRAMATTA	Residential	1
R0624	25 JASMINE CRESCENT CABRAMATTA	Residential	1
R0626	282 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0628	96 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0629	36 CARABEEN STREET CABRAMATTA	Residential	1
R0630	52 JASMINE CRESCENT CABRAMATTA	Residential	1
R0632	5 EVE COURT CABRAMATTA	Residential	1
R0633	34 CARABEEN STREET CABRAMATTA	Residential	1
R0634	21 BOLIVIA STREET CABRAMATTA	Residential	1
R0634	21 BOLIVIA STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0635	32 GALLOP STREET WARWICK FARM	Residential	3
R0636	1 EVE COURT CABRAMATTA	Residential	1
R0637	44 CARABEEN STREET CABRAMATTA	Residential	1
R0638	79 JASMINE CRESCENT CABRAMATTA	Residential	1
R0638	79 JASMINE CRESCENT CABRAMATTA	Residential	1
R0640	32 CARABEEN STREET CABRAMATTA	Residential	1
R0640	32 CARABEEN STREET CABRAMATTA	Residential	1
R0642	22 BEGONIA AVENUE CABRAMATTA	Residential	1
R0643	3 EVE COURT CABRAMATTA	Residential	1
R0645	282 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0645	282 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0646	30 CARABEEN STREET CABRAMATTA	Residential	1
R0647	80 SUSSEX STREET CABRAMATTA	Residential	1
R0648	18 COULSON STREET ERSKINEVILLE	Residential	3
R0648	18 COULSON STREET ERSKINEVILLE	Residential	3
R0650	25 BEGONIA AVENUE CABRAMATTA	Residential	1
R0652	28 CARABEEN STREET CABRAMATTA	Residential	1
R0652	28 CARABEEN STREET CABRAMATTA	Residential	1
R0653	30 GALLOP STREET WARWICK FARM	Residential	3
R0654	26 CARABEEN STREET CABRAMATTA	Residential	1
R0654	26 CARABEEN STREET CABRAMATTA	Residential	1
R0655	22 JASMINE CRESCENT CABRAMATTA	Residential	1
R0657	23 JASMINE CRESCENT CABRAMATTA	Residential	1
R0658	34 CARABEEN STREET CABRAMATTA	Residential	1
R0662	81 JASMINE CRESCENT CABRAMATTA	Residential	1
R0664	5 MAPLE STREET CABRAMATTA	Residential	1
R0664	5 MAPLE STREET CABRAMATTA	Residential	1
R0665	24 CARABEEN STREET CABRAMATTA	Residential	1
R0666	49 GIDGEE STREET CABRAMATTA	Residential	1
R0667	54 JASMINE CRESCENT CABRAMATTA	Residential	1
R0668	43 GIDGEE STREET CABRAMATTA	Residential	1
R0669	22 CARABEEN STREET CABRAMATTA	Residential	1
R0670	20 BEGONIA AVENUE CABRAMATTA	Residential	1
R0672	78 SUSSEX STREET CABRAMATTA	Residential	1
R0673	20 CARABEEN STREET CABRAMATTA	Residential	1
R0674	1 MAPLE STREET CABRAMATTA	Residential	1
R0676	192 DORA STREET DORA CREEK	Residential	1
R0676	192 DORA STREET DORA CREEK	Residential	1
R0676	192 DORA STREET DORA CREEK	Residential	1
R0677	1 MAPLE STREET CABRAMATTA	Residential	1
R0677	1 MAPLE STREET CABRAMATTA	Residential	1
R0678	28 GALLOP STREET WARWICK FARM	Residential	3
R0680	18 CARABEEN STREET CABRAMATTA	Residential	1
R0680	18 CARABEEN STREET CABRAMATTA	Residential	1
R0681	45 GIDGEE STREET CABRAMATTA	Residential	1
R0682	23 BEGONIA AVENUE CABRAMATTA	Residential	1
R0684	16 CARABEEN STREET CABRAMATTA	Residential	1
R0685	20 JASMINE CRESCENT CABRAMATTA	Residential	1
R0686	47 GIDGEE STREET CABRAMATTA	Residential	1
R0687	3 MAPLE STREET CABRAMATTA	Residential	1
R0688	20 JASMINE CRESCENT CABRAMATTA	Residential	1
R0689	4 MCGIRR PARADE WARWICK FARM	Residential	3
R0690	21 JASMINE CRESCENT CABRAMATTA	Residential	1
R0691	4 HINKLER AVENUE WARWICK FARM	Residential	3
R0693	91 LAWRENCE HARGRAVE ROAD WARWICK FARM	Active recreation	3
R0694	7 VERA COURT CABRAMATTA	Residential	1
R0694	7 VERA COURT CABRAMATTA	Residential	1
R0695	56 JASMINE CRESCENT CABRAMATTA	Residential	1
R0696	83 JASMINE CRESCENT CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0697	14 CARABEEN STREET CABRAMATTA	Residential	1
R0699	2 HINKLER AVENUE WARWICK FARM	Residential	3
R0700	26 GALLOP STREET WARWICK FARM	Residential	3
R0701	41 GIDGEE STREET CABRAMATTA	Residential	1
R0703	39 GIDGEE STREET CABRAMATTA	Residential	1
R0703	39 GIDGEE STREET CABRAMATTA	Residential	1
R0706	12 CARABEEN STREET CABRAMATTA	Residential	1
R0706	12 CARABEEN STREET CABRAMATTA	Residential	1
R0708	22 CARABEEN STREET CABRAMATTA	Residential	1
R0709	10 CARABEEN STREET CABRAMATTA	Residential	1
R0709	10 CARABEEN STREET CABRAMATTA	Residential	1
R0710	35 GIDGEE STREET CABRAMATTA	Residential	1
R0711	5 VERA COURT CABRAMATTA	Residential	1
R0712	3 VERA COURT CABRAMATTA	Residential	1
R0714	18 BEGONIA AVENUE CABRAMATTA	Residential	1
R0715	76 SUSSEX STREET CABRAMATTA	Residential	1
R0716	8 CARABEEN STREET CABRAMATTA	Residential	1
R0717	37 GIDGEE STREET CABRAMATTA	Residential	1
R0718	37 HUME HIGHWAY WARWICK FARM	Residential	3
R0719	33 GIDGEE STREET CABRAMATTA	Residential	1
R0721	21 BEGONIA AVENUE CABRAMATTA	Residential	1
R0723	6 CARABEEN STREET CABRAMATTA	Residential	1
R0724	4 CARABEEN STREET CABRAMATTA	Residential	1
R0725	25 GIDGEE STREET CABRAMATTA	Residential	1
R0726	31 GIDGEE STREET CABRAMATTA	Residential	1
R0727	9 VERA COURT CABRAMATTA	Residential	1
R0729	85 JASMINE CRESCENT CABRAMATTA	Residential	1
R0730	276 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0730	276 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0731	19 JASMINE CRESCENT CABRAMATTA	Residential	1
R0732	58 JASMINE CRESCENT CABRAMATTA	Residential	1
R0733	18 JASMINE CRESCENT CABRAMATTA	Residential	1
R0734	2 CARABEEN STREET CABRAMATTA	Residential	1
R0734	2 CARABEEN STREET CABRAMATTA	Residential	1
R0737	29 GIDGEE STREET CABRAMATTA	Residential	1
R0737	29 GIDGEE STREET CABRAMATTA	Residential	1
R0739	17 MANNIX LANE WARWICK FARM	Residential	3
R0739	17 MANNIX LANE WARWICK FARM	Residential	3
R0739	17 MANNIX LANE WARWICK FARM	Residential	3
R0741	2 MCGIRR PARADE WARWICK FARM	Residential	3
R0741	2 MCGIRR PARADE WARWICK FARM	Residential	3
R0742	27 GIDGEE STREET CABRAMATTA	Residential	1
R0742	27 GIDGEE STREET CABRAMATTA	Residential	1
R0745	74 SUSSEX STREET CABRAMATTA	Residential	1
R0745	74 SUSSEX STREET CABRAMATTA	Residential	1
R0746	35 HUME HIGHWAY WARWICK FARM	Residential	3
R0748	19 BEGONIA AVENUE CABRAMATTA	Residential	1
R0751	35 MANNIX LANE WARWICK FARM	Commercial	3
R0752	11 VERA COURT CABRAMATTA	Residential	1
R0753	23 GIDGEE STREET CABRAMATTA	Residential	1
R0753	23 GIDGEE STREET CABRAMATTA	Residential	1
R0754	89 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0756	60 JASMINE CRESCENT CABRAMATTA	Residential	1
R0759	16 JASMINE CRESCENT CABRAMATTA	Residential	1
R0760	17 JASMINE CRESCENT CABRAMATTA	Residential	1
R0761	87 JASMINE CRESCENT CABRAMATTA	Residential	1
R0762	17 GIDGEE STREET CABRAMATTA	Residential	1
R0762	17 GIDGEE STREET CABRAMATTA	Residential	1
R0766	21 GIDGEE STREET CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0768	50 GIDGEE STREET CABRAMATTA	Residential	1
R0768	50 GIDGEE STREET CABRAMATTA	Residential	1
R0769	19 GIDGEE STREET CABRAMATTA	Residential	1
R0771	5 MANNIX PARADE WARWICK FARM	Residential	3
R0771	5 MANNIX PARADE WARWICK FARM	Residential	3
R0773	3 MANNIX PARADE WARWICK FARM	Residential	3
R0774	48 GIDGEE STREET CABRAMATTA	Residential	1
R0774	48 GIDGEE STREET CABRAMATTA	Residential	1
R0775	7 GIDGEE STREET CABRAMATTA	Residential	1
R0778	10 MAPLE STREET CABRAMATTA	Residential	1
R0778	10 MAPLE STREET CABRAMATTA	Residential	1
R0778	10 MAPLE STREET CABRAMATTA	Residential	1
R0779	9 GIDGEE STREET CABRAMATTA	Residential	1
R0780	15 GIDGEE STREET CABRAMATTA	Residential	1
R0780	15 GIDGEE STREET CABRAMATTA	Residential	1
R0781	72 SUSSEX STREET CABRAMATTA	Residential	1
R0782	13 GIDGEE STREET CABRAMATTA	Residential	1
R0783	37 NICHOLLS STREET WARWICK FARM	Active recreation	3
R0784	9 MANNIX PARADE WARWICK FARM	Residential	3
R0787	46 GIDGEE STREET CABRAMATTA	Residential	1
R0788	17 BEGONIA AVENUE CABRAMATTA	Residential	1
R0791	8 MAPLE STREET CABRAMATTA	Residential	1
R0791	8 MAPLE STREET CABRAMATTA	Residential	1
R0792	22 GALLOP STREET WARWICK FARM	Residential	3
R0793	7 MANNIX PARADE WARWICK FARM	Residential	3
R0794	33A HUME HIGHWAY WARWICK FARM	Residential	3
R0794	33A HUME HIGHWAY WARWICK FARM	Residential	3
R0795	44 GIDGEE STREET CABRAMATTA	Residential	1
R0798	11 GIDGEE STREET CABRAMATTA	Residential	1
R0799	1 GIDGEE STREET CABRAMATTA	Residential	1
R0800	6 MAPLE STREET CABRAMATTA	Residential	1
R0802	89 JASMINE CRESCENT CABRAMATTA	Residential	1
R0803	14 JASMINE CRESCENT CABRAMATTA	Residential	1
R0804	87 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0805	42 GIDGEE STREET CABRAMATTA	Residential	1
R0807	11 MANNIX PARADE WARWICK FARM	Residential	3
R0807	11 MANNIX PARADE WARWICK FARM	Residential	3
R0808	15 JASMINE CRESCENT CABRAMATTA	Residential	1
R0811	2 MAPLE STREET CABRAMATTA	Residential	1
R0811	2 MAPLE STREET CABRAMATTA	Residential	1
R0812	32 NICHOLLS STREET WARWICK FARM	Residential	3
R0814	62 JASMINE CRESCENT CABRAMATTA	Residential	1
R0815	40 GIDGEE STREET CABRAMATTA	Residential	1
R0816	9 GALLOP STREET WARWICK FARM	Residential	3
R0816	9 GALLOP STREET WARWICK FARM	Residential	3
R0817	34 NICHOLLS STREET WARWICK FARM	Residential	3
R0817	34 NICHOLLS STREET WARWICK FARM	Residential	3
R0819	7 GIDGEE STREET CABRAMATTA	Residential	1
R0820	2 MAPLE STREET CABRAMATTA	Residential	1
R0820	2 MAPLE STREET CABRAMATTA	Residential	1
R0821	38 GIDGEE STREET CABRAMATTA	Residential	1
R0822	10 VERA COURT CABRAMATTA	Residential	1
R0823	13 MANNIX PARADE WARWICK FARM	Residential	3
R0823	13 MANNIX PARADE WARWICK FARM	Residential	3
R0825	5 GIDGEE STREET CABRAMATTA	Residential	1
R0825	5 GIDGEE STREET CABRAMATTA	Residential	1
R0826	4 VERA COURT CABRAMATTA	Residential	1
R0827	274 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0827	274 CABRAMATTA ROAD CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0828	3 GIDGEE STREET CABRAMATTA	Residential	1
R0829	36 GIDGEE STREET CABRAMATTA	Residential	1
R0831	6 VERA COURT CABRAMATTA	Residential	1
R0832	72 SUSSEX STREET CABRAMATTA	Residential	1
R0833	2 VERA COURT CABRAMATTA	Residential	1
R0834	34 GIDGEE STREET CABRAMATTA	Residential	1
R0835	15 BEGONIA AVENUE CABRAMATTA	Residential	1
R0838	1 GIDGEE STREET CABRAMATTA	Residential	1
R0839	8 VERA COURT CABRAMATTA	Residential	1
R0840	32 GIDGEE STREET CABRAMATTA	Residential	1
R0841	20 GALLOP STREET WARWICK FARM	Residential	3
R0843	64 JASMINE CRESCENT CABRAMATTA	Residential	1
R0844	30 GIDGEE STREET CABRAMATTA	Residential	1
R0845	13 JASMINE CRESCENT CABRAMATTA	Residential	1
R0846	87 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0847	12 JASMINE CRESCENT CABRAMATTA	Residential	1
R0849	28 GIDGEE STREET CABRAMATTA	Residential	1
R0850	91 JASMINE CRESCENT CABRAMATTA	Residential	1
R0851	37 NICHOLLS STREET WARWICK FARM	Active recreation	3
R0855	91 JASMINE CRESCENT CABRAMATTA	Residential	1
R0856	37 NICHOLLS STREET WARWICK FARM	Residential	3
R0857	22 BURLISON STREET WARWICK FARM	Residential	3
R0859	26 GIDGEE STREET CABRAMATTA	Residential	1
R0860	49 KAURI STREET CABRAMATTA	Residential	1
R0860	49 KAURI STREET CABRAMATTA	Residential	1
R0863	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0864	24 BURLISON STREET WARWICK FARM	Residential	3
R0865	20 BURLISON STREET WARWICK FARM	Residential	3
R0867	70 SUSSEX STREET CABRAMATTA	Residential	1
R0868	30 NICHOLLS STREET WARWICK FARM	Residential	3
R0869	18 BURLISON STREET WARWICK FARM	Residential	3
R0871	24 GIDGEE STREET CABRAMATTA	Residential	1
R0872	26 BURLISON STREET WARWICK FARM	Residential	3
R0873	272 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0874	18 GALLOP STREET WARWICK FARM	Residential	3
R0875	30 NICHOLLS STREET WARWICK FARM	Residential	3
R0876	22 GIDGEE STREET CABRAMATTA	Residential	1
R0878	1 GALLOP STREET WARWICK FARM	Residential	3
R0878	1 GALLOP STREET WARWICK FARM	Residential	3
R0879	5 GALLOP STREET WARWICK FARM	Residential	3
R0879	5 GALLOP STREET WARWICK FARM	Residential	3
R0880	13 BEGONIA AVENUE CABRAMATTA	Residential	1
R0881	41 KAURI STREET CABRAMATTA	Residential	1
R0882	16 BURLISON STREET WARWICK FARM	Residential	3
R0882	16 BURLISON STREET WARWICK FARM	Residential	3
R0883	28 BURLISON STREET WARWICK FARM	Residential	3
R0883	28 BURLISON STREET WARWICK FARM	Residential	3
R0884	20 GIDGEE STREET CABRAMATTA	Residential	1
R0885	66 JASMINE CRESCENT CABRAMATTA	Residential	1
R0886	43 KAURI STREET CABRAMATTA	Residential	1
R0891	10 JASMINE CRESCENT CABRAMATTA	Residential	1
R0893	11 JASMINE CRESCENT CABRAMATTA	Residential	1
R0894	14 BEGONIA AVENUE CABRAMATTA	Residential	1
R0894	14 BEGONIA AVENUE CABRAMATTA	Residential	1
R0895	31 HUME HIGHWAY WARWICK FARM	Residential	3
R0895	31 HUME HIGHWAY WARWICK FARM	Residential	3
R0895	31 HUME HIGHWAY WARWICK FARM	Residential	3
R0895	31 HUME HIGHWAY WARWICK FARM	Residential	3
R0897	18 GIDGEE STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0899	45 KAURI STREET CABRAMATTA	Residential	1
R0900	47 KAURI STREET CABRAMATTA	Residential	1
R0902	16 GIDGEE STREET CABRAMATTA	Residential	1
R0902	16 GIDGEE STREET CABRAMATTA	Residential	1
R0905	93 JASMINE CRESCENT CABRAMATTA	Residential	1
R0906	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0908	70 JASMINE CRESCENT CABRAMATTA	Residential	1
R0909	35 NICHOLLS STREET WARWICK FARM	Residential	3
R0911	14 GIDGEE STREET CABRAMATTA	Residential	1
R0911	14 GIDGEE STREET CABRAMATTA	Residential	1
R0914	1 GALLOP STREET WARWICK FARM	Residential	3
R0914	1 GALLOP STREET WARWICK FARM	Residential	3
R0916	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0916	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0916	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0917	17 BOLIVIA STREET CABRAMATTA	Residential	1
R0917	17 BOLIVIA STREET CABRAMATTA	Residential	1
R0918	68 SUSSEX STREET CABRAMATTA	Residential	1
R0918	68 SUSSEX STREET CABRAMATTA	Residential	1
R0919	37 KAURI STREET CABRAMATTA	Residential	1
R0920	41 KAURI STREET CABRAMATTA	Residential	1
R0921	1 GALLOP STREET WARWICK FARM	Residential	3
R0921	1 GALLOP STREET WARWICK FARM	Residential	3
R0923	72 JASMINE CRESCENT CABRAMATTA	Residential	1
R0924	12 GIDGEE STREET CABRAMATTA	Residential	1
R0925	68 JASMINE CRESCENT CABRAMATTA	Residential	1
R0926	39 KAURI STREET CABRAMATTA	Residential	1
R0927	28 NICHOLLS STREET WARWICK FARM	Residential	3
R0928	14 BURLISON STREET WARWICK FARM	Residential	3
R0933	95 JASMINE CRESCENT CABRAMATTA	Residential	1
R0935	10 GIDGEE STREET CABRAMATTA	Residential	1
R0936	83 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0937	270 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0940	11 BEGONIA AVENUE CABRAMATTA	Residential	1
R0941	8 JASMINE CRESCENT CABRAMATTA	Residential	1
R0942	9 JASMINE CRESCENT CABRAMATTA	Residential	1
R0943	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0943	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0943	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0945	74 JASMINE CRESCENT CABRAMATTA	Residential	1
R0947	6 GIDGEE STREET CABRAMATTA	Residential	1
R0948	8 GIDGEE STREET CABRAMATTA	Residential	1
R0949	11 KURRAJONG STREET CABRAMATTA	Residential	1
R0949	11 KURRAJONG STREET CABRAMATTA	Residential	1
R0950	16 GALLOP STREET WARWICK FARM	Residential	3
R0951	12 BEGONIA AVENUE CABRAMATTA	Residential	1
R0953	35 KAURI STREET CABRAMATTA	Residential	1
R0954	28 NICHOLLS STREET WARWICK FARM	Residential	3
R0956	16 GIDGEE STREET CABRAMATTA	Residential	1
R0958	33 KAURI STREET CABRAMATTA	Residential	1
R0959	4 GIDGEE STREET CABRAMATTA	Residential	1
R0959	4 GIDGEE STREET CABRAMATTA	Residential	1
R0961	76 JASMINE CRESCENT CABRAMATTA	Residential	1
R0964	1 KURRAJONG STREET CABRAMATTA	Residential	1
R0964	1 KURRAJONG STREET CABRAMATTA	Residential	1
R0964	1 KURRAJONG STREET CABRAMATTA	Residential	1
R0965	2 GIDGEE STREET CABRAMATTA	Residential	1
R0966	33 NICHOLLS STREET WARWICK FARM	Residential	3
R0968	5 KURRAJONG STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R0968	5 KURRAJONG STREET CABRAMATTA	Residential	1
R0969	29 KAURI STREET CABRAMATTA	Residential	1
R0972	31 KAURI STREET CABRAMATTA	Residential	1
R0972	31 KAURI STREET CABRAMATTA	Residential	1
R0973	9 BEGONIA AVENUE CABRAMATTA	Residential	1
R0974	66 SUSSEX STREET CABRAMATTA	Residential	1
R0976	97 JASMINE CRESCENT CABRAMATTA	Residential	1
R0977	25 KAURI STREET CABRAMATTA	Residential	1
R0978	27 KAURI STREET CABRAMATTA	Residential	1
R0979	26 NICHOLLS STREET WARWICK FARM	Residential	3
R0980	81 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R0982	14 GALLOP STREET WARWICK FARM	Residential	3
R0983	268 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0983	268 CABRAMATTA ROAD CABRAMATTA	Residential	1
R0984	19 KAURI STREET CABRAMATTA	Residential	1
R0984	19 KAURI STREET CABRAMATTA	Residential	1
R0985	6 JASMINE CRESCENT CABRAMATTA	Residential	1
R0986	9 KURRAJONG STREET CABRAMATTA	Residential	1
R0986	9 KURRAJONG STREET CABRAMATTA	Residential	1
R0986	9 KURRAJONG STREET CABRAMATTA	Residential	1
R0987	12 BURLISON STREET WARWICK FARM	Residential	3
R0990	7 JASMINE CRESCENT CABRAMATTA	Residential	1
R0991	17 KAURI STREET CABRAMATTA	Residential	1
R0991	17 KAURI STREET CABRAMATTA	Residential	1
R0994	13 KURRAJONG STREET CABRAMATTA	Residential	1
R0994	13 KURRAJONG STREET CABRAMATTA	Residential	1
R0995	23 KAURI STREET CABRAMATTA	Residential	1
R0996	26 NICHOLLS STREET WARWICK FARM	Residential	3
R0997	6 GIDGEE STREET CABRAMATTA	Residential	1
R1000	4 GIDGEE STREET CABRAMATTA	Residential	1
R1001	21 KAURI STREET CABRAMATTA	Residential	1
R1002	15 KURRAJONG STREET CABRAMATTA	Residential	1
R1002	15 KURRAJONG STREET CABRAMATTA	Residential	1
R1003	13 KAURI STREET CABRAMATTA	Residential	1
R1003	13 KAURI STREET CABRAMATTA	Residential	1
R1007	12 GALLOP STREET WARWICK FARM	Residential	3
R1009	64 SUSSEX STREET CABRAMATTA	Residential	1
R1011	31 NICHOLLS STREET WARWICK FARM	Residential	3
R1012	99 JASMINE CRESCENT CABRAMATTA	Residential	1
R1013	7 BEGONIA AVENUE CABRAMATTA	Residential	1
R1014	7 KAURI STREET CABRAMATTA	Residential	1
R1016	50 KAURI STREET CABRAMATTA	Residential	1
R1018	48 KAURI STREET CABRAMATTA	Residential	1
R1018	48 KAURI STREET CABRAMATTA	Residential	1
R1019	266 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1020	5 KAURI STREET CABRAMATTA	Residential	1
R1021	15 KAURI STREET CABRAMATTA	Residential	1
R1022	5 JASMINE CRESCENT CABRAMATTA	Residential	1
R1023	46 KAURI STREET CABRAMATTA	Residential	1
R1023	46 KAURI STREET CABRAMATTA	Residential	1
R1024	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1024	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1024	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1027	79 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1028	4 JASMINE CRESCENT CABRAMATTA	Residential	1
R1029	7 BURLISON STREET WARWICK FARM	Residential	3
R1031	10 BURLISON STREET WARWICK FARM	Residential	3
R1032	11 KAURI STREET CABRAMATTA	Residential	1
R1033	44 KAURI STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1033	44 KAURI STREET CABRAMATTA	Residential	1
R1034	101 JASMINE CRESCENT CABRAMATTA	Residential	1
R1035	42 KAURI STREET CABRAMATTA	Residential	1
R1036	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1036	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1036	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1039	40 KAURI STREET CABRAMATTA	Residential	1
R1042	62 SUSSEX STREET CABRAMATTA	Residential	1
R1043	103 JASMINE CRESCENT CABRAMATTA	Residential	1
R1044	38 KAURI STREET CABRAMATTA	Residential	1
R1045	9 KAURI STREET CABRAMATTA	Residential	1
R1045	9 KAURI STREET CABRAMATTA	Residential	1
R1047	9 BURLISON STREET WARWICK FARM	Residential	3
R1048	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1048	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1048	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1049	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1049	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1050	7 KAURI STREET CABRAMATTA	Residential	1
R1050	7 KAURI STREET CABRAMATTA	Residential	1
R1052	10 GALLOP STREET WARWICK FARM	Residential	3
R1053	105 JASMINE CRESCENT CABRAMATTA	Residential	1
R1054	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1054	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1055	21 HUME HIGHWAY WARWICK FARM	Residential	3
R1055	21 HUME HIGHWAY WARWICK FARM	Residential	3
R1055	21 HUME HIGHWAY WARWICK FARM	Residential	3
R1055	21 HUME HIGHWAY WARWICK FARM	Residential	3
R1057	48 KAURI STREET CABRAMATTA	Residential	1
R1058	5 KAURI STREET CABRAMATTA	Residential	1
R1058	5 KAURI STREET CABRAMATTA	Residential	1
R1059	36 KAURI STREET CABRAMATTA	Residential	1
R1060	107 JASMINE CRESCENT CABRAMATTA	Residential	1
R1061	264 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1062	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1062	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1062	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1063	1 KAURI STREET CABRAMATTA	Residential	1
R1064	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1064	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1064	88 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1065	10 BEGONIA AVENUE CABRAMATTA	Residential	1
R1066	109 JASMINE CRESCENT CABRAMATTA	Residential	1
R1067	77 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1068	3 JASMINE CRESCENT CABRAMATTA	Residential	1
R1070	34 KAURI STREET CABRAMATTA	Residential	1
R1071	8 GALLOP STREET WARWICK FARM	Residential	3
R1071	8 GALLOP STREET WARWICK FARM	Residential	3
R1072	3 KAURI STREET CABRAMATTA	Residential	1
R1072	3 KAURI STREET CABRAMATTA	Residential	1
R1074	3 BEGONIA AVENUE CABRAMATTA	Residential	1
R1078	32 KAURI STREET CABRAMATTA	Residential	1
R1078	32 KAURI STREET CABRAMATTA	Residential	1
R1079	5 BEGONIA AVENUE CABRAMATTA	Residential	1
R1082	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1082	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1083	1 BEGONIA AVENUE CABRAMATTA	Residential	1
R1084	30 KAURI STREET CABRAMATTA	Residential	1
R1091	8 BURLISON STREET WARWICK FARM	Residential	3



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1092	28 KAURI STREET CABRAMATTA	Residential	1
R1093	60 SUSSEX STREET CABRAMATTA	Residential	1
R1094	6 GALLOP STREET WARWICK FARM	Residential	3
R1095	27 NICHOLLS STREET WARWICK FARM	Residential	3
R1097	4 GALLOP STREET WARWICK FARM	Residential	3
R1101	24 NICHOLLS STREET WARWICK FARM	Residential	3
R1102	26 KAURI STREET CABRAMATTA	Residential	1
R1104	24 NICHOLLS STREET WARWICK FARM	Residential	3
R1107	5 BURLISON STREET WARWICK FARM	Residential	3
R1108	8 BEGONIA AVENUE CABRAMATTA	Residential	1
R1116	75 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1117	1 JASMINE CRESCENT CABRAMATTA	Residential	1
R1119	24 KAURI STREET CABRAMATTA	Residential	1
R1119	24 KAURI STREET CABRAMATTA	Residential	1
R1120	37 BOOYONG STREET CABRAMATTA	Residential	1
R1120	37 BOOYONG STREET CABRAMATTA	Residential	1
R1121	43 BOOYONG STREET CABRAMATTA	Residential	1
R1124	41 BOOYONG STREET CABRAMATTA	Residential	1
R1125	22 KAURI STREET CABRAMATTA	Residential	1
R1127	35 BOOYONG STREET CABRAMATTA	Residential	1
R1127	35 BOOYONG STREET CABRAMATTA	Residential	1
R1128	14 SHEAHAN STREET WARWICK FARM	Residential	3
R1130	39 BOOYONG STREET CABRAMATTA	Residential	1
R1132	16 KURRAJONG STREET CABRAMATTA	Residential	1
R1133	20 KAURI STREET CABRAMATTA	Residential	1
R1133	20 KAURI STREET CABRAMATTA	Residential	1
R1135	33 BOOYONG STREET CABRAMATTA	Residential	1
R1135	33 BOOYONG STREET CABRAMATTA	Residential	1
R1137	58 SUSSEX STREET CABRAMATTA	Residential	1
R1139	25 NICHOLLS STREET WARWICK FARM	Residential	3
R1140	18 KAURI STREET CABRAMATTA	Residential	1
R1142	6 BURLISON STREET WARWICK FARM	Residential	3
R1143	16 KAURI STREET CABRAMATTA	Residential	1
R1144	10 KURRAJONG STREET CABRAMATTA	Residential	1
R1144	10 KURRAJONG STREET CABRAMATTA	Residential	1
R1146	86 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1147	14 KAURI STREET CABRAMATTA	Residential	1
R1148	31 BOOYONG STREET CABRAMATTA	Residential	1
R1148	31 BOOYONG STREET CABRAMATTA	Residential	1
R1149	22 NICHOLLS STREET WARWICK FARM	Residential	3
R1152	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1152	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1153	73 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1154	12 SHEAHAN STREET WARWICK FARM	Residential	3
R1156	12 KAURI STREET CABRAMATTA	Residential	1
R1156	12 KAURI STREET CABRAMATTA	Residential	1
R1158	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1158	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1160	3 BURLISON STREET WARWICK FARM	Residential	3
R1161	10 SHEAHAN STREET WARWICK FARM	Residential	3
R1163	16 SHEAHAN STREET WARWICK FARM	Residential	3
R1166	6 KURRAJONG STREET CABRAMATTA	Residential	1
R1166	6 KURRAJONG STREET CABRAMATTA	Residential	1
R1168	71 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1171	10 KAURI STREET CABRAMATTA	Residential	1
R1171	10 KAURI STREET CABRAMATTA	Residential	1
R1172	4 SHEAHAN STREET WARWICK FARM	Residential	3
R1174	8 KAURI STREET CABRAMATTA	Residential	1
R1174	8 KAURI STREET CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1175	4 KURRAJONG STREET CABRAMATTA	Residential	1
R1175	4 KURRAJONG STREET CABRAMATTA	Residential	1
R1176	25 BOOYONG STREET CABRAMATTA	Residential	1
R1176	25 BOOYONG STREET CABRAMATTA	Residential	1
R1177	29 BOOYONG STREET CABRAMATTA	Residential	1
R1178	13 BOLIVIA STREET CABRAMATTA	Residential	1
R1178	13 BOLIVIA STREET CABRAMATTA	Residential	1
R1179	28 BOLIVIA STREET CABRAMATTA	Commercial	1
R1180	27 BOOYONG STREET CABRAMATTA	Residential	1
R1180	27 BOOYONG STREET CABRAMATTA	Residential	1
R1181	69 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1182	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1182	45 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1183	23 NICHOLLS STREET WARWICK FARM	Residential	3
R1184	47 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1185	6 SHEAHAN STREET WARWICK FARM	Residential	3
R1186	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1186	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1187	4 BURLISON STREET WARWICK FARM	Residential	3
R1188	16 SHEAHAN STREET WARWICK FARM	Residential	3
R1189	67 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1191	2 KURRAJONG STREET CABRAMATTA	Residential	1
R1191	2 KURRAJONG STREET CABRAMATTA	Residential	1
R1191	2 KURRAJONG STREET CABRAMATTA	Residential	1
R1191	2 KURRAJONG STREET CABRAMATTA	Residential	1
R1192	20 NICHOLLS STREET WARWICK FARM	Residential	3
R1193	23 BOOYONG STREET CABRAMATTA	Residential	1
R1193	23 BOOYONG STREET CABRAMATTA	Residential	1
R1195	6 BEGONIA AVENUE CABRAMATTA	Residential	1
R1198	2 LUNN COURT CABRAMATTA	Residential	1
R1200	17 BOOYONG STREET CABRAMATTA	Residential	1
R1200	17 BOOYONG STREET CABRAMATTA	Residential	1
R1201	21 BOOYONG STREET CABRAMATTA	Residential	1
R1202	4 BEGONIA AVENUE CABRAMATTA	Residential	1
R1203	19 BOOYONG STREET CABRAMATTA	Residential	1
R1205	65 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1208	2 BEGONIA AVENUE CABRAMATTA	Residential	1
R1212	63 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1213	17 HUME HIGHWAY WARWICK FARM	Residential	3
R1213	17 HUME HIGHWAY WARWICK FARM	Residential	3
R1213	17 HUME HIGHWAY WARWICK FARM	Residential	3
R1215	49 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1217	15 BOOYONG STREET CABRAMATTA	Residential	1
R1217	15 BOOYONG STREET CABRAMATTA	Residential	1
R1220	1 BURLISON STREET WARWICK FARM	Residential	3
R1221	54 SUSSEX STREET CABRAMATTA	Residential	1
R1223	13 BOOYONG STREET CABRAMATTA	Residential	1
R1227	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1227	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1228	9 BOOYONG STREET CABRAMATTA	Residential	1
R1230	18 NICHOLLS STREET WARWICK FARM	Residential	3
R1231	46 BOOYONG STREET CABRAMATTA	Residential	1
R1233	17 SHEAHAN STREET WARWICK FARM	Residential	3
R1234	11 BOOYONG STREET CABRAMATTA	Residential	1
R1237	3 BOOYONG STREET CABRAMATTA	Residential	1
R1238	5 BOOYONG STREET CABRAMATTA	Residential	1
R1238	5 BOOYONG STREET CABRAMATTA	Residential	1
R1239	7 BOOYONG STREET CABRAMATTA	Residential	1
R1239	7 BOOYONG STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1239	7 BOOYONG STREET CABRAMATTA	Residential	1
R1240	4 LUNN COURT CABRAMATTA	Residential	1
R1241	1 SHEAHAN STREET WARWICK FARM	Residential	3
R1248	1 LUNN COURT CABRAMATTA	Residential	1
R1249	42 BOOYONG STREET CABRAMATTA	Residential	1
R1250	21 NICHOLLS STREET WARWICK FARM	Residential	3
R1251	44 BOOYONG STREET CABRAMATTA	Residential	1
R1252	57 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1253	2 BURLISON STREET WARWICK FARM	Residential	3
R1254	40 BOOYONG STREET CABRAMATTA	Residential	1
R1256	3 SHEAHAN STREET WARWICK FARM	Residential	3
R1259	1 LUNN COURT CABRAMATTA	Residential	1
R1260	15 MYALL STREET CABRAMATTA	Residential	1
R1260	15 MYALL STREET CABRAMATTA	Residential	1
R1261	52 SUSSEX STREET CABRAMATTA	Residential	1
R1261	52 SUSSEX STREET CABRAMATTA	Residential	1
R1262	82 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1263	55 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1265	15 SHEAHAN STREET WARWICK FARM	Residential	3
R1267	36 BOOYONG STREET CABRAMATTA	Residential	1
R1267	36 BOOYONG STREET CABRAMATTA	Residential	1
R1270	17 SHEAHAN STREET WARWICK FARM	Residential	3
R1270	17 SHEAHAN STREET WARWICK FARM	Residential	3
R1272	38 BOOYONG STREET CABRAMATTA	Residential	1
R1273	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1273	258 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1274	1 BOOYONG STREET CABRAMATTA	Residential	1
R1275	34 BOOYONG STREET CABRAMATTA	Residential	1
R1276	11 MYALL STREET CABRAMATTA	Residential	1
R1276	11 MYALL STREET CABRAMATTA	Residential	1
R1277	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1277	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1280	11 SHEAHAN STREET WARWICK FARM	Residential	3
R1282	13 SHEAHAN STREET WARWICK FARM	Residential	3
R1285	6 LUNN COURT CABRAMATTA	Residential	1
R1286	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1286	8 KURRAJONG STREET CABRAMATTA	Residential	1
R1288	32 BOOYONG STREET CABRAMATTA	Residential	1
R1288	32 BOOYONG STREET CABRAMATTA	Residential	1
R1290	13 MYALL STREET CABRAMATTA	Residential	1
R1290	13 MYALL STREET CABRAMATTA	Residential	1
R1290	13 MYALL STREET CABRAMATTA	Residential	1
R1290	13 MYALL STREET CABRAMATTA	Residential	1
R1291	30 BOOYONG STREET CABRAMATTA	Residential	1
R1291	30 BOOYONG STREET CABRAMATTA	Residential	1
R1292	80 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1293	9 SHEAHAN STREET WARWICK FARM	Residential	3
R1294	5 SHEAHAN STREET WARWICK FARM	Residential	3
R1295	17 SHEAHAN STREET WARWICK FARM	Residential	3
R1295	17 SHEAHAN STREET WARWICK FARM	Residential	3
R1298	3 LUNN COURT CABRAMATTA	Residential	1
R1299	50 SUSSEX STREET CABRAMATTA	Residential	1
R1302	28 BOOYONG STREET CABRAMATTA	Residential	1
R1303	3 MYALL STREET CABRAMATTA	Residential	1
R1303	3 MYALL STREET CABRAMATTA	Residential	1
R1303	3 MYALL STREET CABRAMATTA	Residential	1
R1304	26 BOOYONG STREET CABRAMATTA	Residential	1
R1307	15 SHEAHAN STREET WARWICK FARM	Residential	3
R1308	7 SHEAHAN STREET WARWICK FARM	Residential	3

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1309	78 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1312	1 SUSSEX STREET CABRAMATTA	Residential	1
R1313	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1313	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1313	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1315	24 BOOYONG STREET CABRAMATTA	Residential	1
R1317	22 BOOYONG STREET CABRAMATTA	Residential	1
R1323	76 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1324	8 LUNN COURT CABRAMATTA	Residential	1
R1325	72 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1325	72 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1326	20 BOOYONG STREET CABRAMATTA	Residential	1
R1329	5 LUNN COURT CABRAMATTA	Residential	1
R1331	74 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1331	74 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1332	70 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1333	16 BOOYONG STREET CABRAMATTA	Residential	1
R1334	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1334	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1334	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1335	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1335	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1335	46 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1336	18 BOOYONG STREET CABRAMATTA	Residential	1
R1337	48 SUSSEX STREET CABRAMATTA	Residential	1
R1338	80 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1339	14 BOOYONG STREET CABRAMATTA	Residential	1
R1340	52 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1342	68 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1345	56 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1347	54 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1349	12 BOOYONG STREET CABRAMATTA	Residential	1
R1351	10 BOOYONG STREET CABRAMATTA	Residential	1
R1354	10 LUNN COURT CABRAMATTA	Residential	1
R1356	7 LUNN COURT CABRAMATTA	Residential	1
R1359	19 NICHOLLS STREET WARWICK FARM	Residential	3
R1361	45 EURABBIE STREET CABRAMATTA	Residential	1
R1362	1 MYALL STREET CABRAMATTA	Residential	1
R1362	1 MYALL STREET CABRAMATTA	Residential	1
R1363	8 BOOYONG STREET CABRAMATTA	Residential	1
R1363	8 BOOYONG STREET CABRAMATTA	Residential	1
R1364	39 EURABBIE STREET CABRAMATTA	Residential	1
R1364	39 EURABBIE STREET CABRAMATTA	Residential	1
R1365	6 BOOYONG STREET CABRAMATTA	Residential	1
R1369	64 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1371	4 BOOYONG STREET CABRAMATTA	Residential	1
R1371	4 BOOYONG STREET CABRAMATTA	Residential	1
R1372	60 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1373	46 SUSSEX STREET CABRAMATTA	Residential	1
R1373	46 SUSSEX STREET CABRAMATTA	Residential	1
R1374	29 FREEMAN STREET WARWICK FARM	Residential	3
R1374	29 FREEMAN STREET WARWICK FARM	Residential	3
R1375	43 EURABBIE STREET CABRAMATTA	Residential	1
R1375	43 EURABBIE STREET CABRAMATTA	Residential	1
R1376	41 EURABBIE STREET CABRAMATTA	Residential	1
R1377	62 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1378	72 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1380	58 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1381	2 BOOYONG STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1384	27 EURABBIE STREET CABRAMATTA	Residential	1
R1385	35 EURABBIE STREET CABRAMATTA	Residential	1
R1387	14 NICHOLLS STREET WARWICK FARM	Residential	3
R1388	37 EURABBIE STREET CABRAMATTA	Residential	1
R1389	29 FREEMAN STREET WARWICK FARM	Residential	3
R1390	31 FREEMAN STREET WARWICK FARM	Residential	3
R1390	31 FREEMAN STREET WARWICK FARM	Residential	3
R1393	11 FREEMAN STREET WARWICK FARM	Residential	3
R1394	23 FREEMAN STREET WARWICK FARM	Residential	3
R1395	10 BOOYONG STREET CABRAMATTA	Residential	1
R1396	21 FREEMAN STREET WARWICK FARM	Residential	3
R1397	19 FREEMAN STREET WARWICK FARM	Residential	3
R1399	27 FREEMAN STREET WARWICK FARM	Residential	3
R1400	33 EURABBIE STREET CABRAMATTA	Residential	1
R1401	14 NICHOLLS STREET WARWICK FARM	Residential	3
R1404	25 EURABBIE STREET CABRAMATTA	Residential	1
R1405	29 EURABBIE STREET CABRAMATTA	Residential	1
R1406	25 FREEMAN STREET WARWICK FARM	Residential	3
R1407	31 EURABBIE STREET CABRAMATTA	Residential	1
R1408	9 LUNN COURT CABRAMATTA	Residential	1
R1410	13 FREEMAN STREET WARWICK FARM	Residential	3
R1411	21 EURABBIE STREET CABRAMATTA	Residential	1
R1413	19 EURABBIE STREET CABRAMATTA	Residential	1
R1414	23 EURABBIE STREET CABRAMATTA	Residential	1
R1415	12 LUNN COURT CABRAMATTA	Residential	1
R1417	17 EURABBIE STREET CABRAMATTA	Residential	1
R1418	44 SUSSEX STREET CABRAMATTA	Residential	1
R1419	17 NICHOLLS STREET WARWICK FARM	Residential	3
R1420	15 FREEMAN STREET WARWICK FARM	Residential	3
R1421	17 FREEMAN STREET WARWICK FARM	Residential	3
R1422	11 FREEMAN STREET WARWICK FARM	Residential	3
R1424	32 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1424	32 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1425	9 EURABBIE STREET CABRAMATTA	Residential	1
R1426	15 EURABBIE STREET CABRAMATTA	Residential	1
R1426	15 EURABBIE STREET CABRAMATTA	Residential	1
R1427	9 FREEMAN STREET WARWICK FARM	Residential	3
R1428	11 LUNN COURT CABRAMATTA	Residential	1
R1429	12 NICHOLLS STREET WARWICK FARM	Residential	3
R1431	18 MYALL STREET CABRAMATTA	Residential	1
R1431	18 MYALL STREET CABRAMATTA	Residential	1
R1431	18 MYALL STREET CABRAMATTA	Residential	1
R1433	13 LUNN COURT CABRAMATTA	Residential	1
R1434	28 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1434	28 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1437	13 EURABBIE STREET CABRAMATTA	Residential	1
R1437	13 EURABBIE STREET CABRAMATTA	Residential	1
R1438	42 SUSSEX STREET CABRAMATTA	Residential	1
R1438	42 SUSSEX STREET CABRAMATTA	Residential	1
R1439	14 MYALL STREET CABRAMATTA	Residential	1
R1439	14 MYALL STREET CABRAMATTA	Residential	1
R1439	14 MYALL STREET CABRAMATTA	Residential	1
R1441	18 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1447	8 MYALL STREET CABRAMATTA	Residential	1
R1447	8 MYALL STREET CABRAMATTA	Residential	1
R1448	5 FREEMAN STREET WARWICK FARM	Residential	3
R1450	7 FREEMAN STREET WARWICK FARM	Residential	3
R1451	26 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1452	9 EURABBIE STREET CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1453	30 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1455	16 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1456	11 EURABBIE STREET CABRAMATTA	Residential	1
R1457	8 MYALL STREET CABRAMATTA	Residential	1
R1457	8 MYALL STREET CABRAMATTA	Residential	1
R1459	15 NICHOLLS STREET WARWICK FARM	Residential	3
R1461	1 EURABBIE STREET CABRAMATTA	Residential	1
R1461	1 EURABBIE STREET CABRAMATTA	Residential	1
R1462	7 EURABBIE STREET CABRAMATTA	Residential	1
R1463	3 FREEMAN STREET WARWICK FARM	Residential	3
R1464	22B SUSSEX STREET CABRAMATTA	Active recreation	1
R1464	22B SUSSEX STREET CABRAMATTA	Active recreation	1
R1465	22 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1466	6 MYALL STREET CABRAMATTA	Residential	1
R1466	6 MYALL STREET CABRAMATTA	Residential	1
R1466	6 MYALL STREET CABRAMATTA	Residential	1
R1466	6 MYALL STREET CABRAMATTA	Residential	1
R1469	20 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1471	5 EURABBIE STREET CABRAMATTA	Residential	1
R1471	5 EURABBIE STREET CABRAMATTA	Residential	1
R1472	14 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1473	4 MYALL STREET CABRAMATTA	Residential	1
R1473	4 MYALL STREET CABRAMATTA	Residential	1
R1473	4 MYALL STREET CABRAMATTA	Residential	1
R1473	4 MYALL STREET CABRAMATTA	Residential	1
R1474	10 NICHOLLS STREET WARWICK FARM	Residential	3
R1475	3 EURABBIE STREET CABRAMATTA	Residential	1
R1475	3 EURABBIE STREET CABRAMATTA	Residential	1
R1479	40 SUSSEX STREET CABRAMATTA	Residential	1
R1479	40 SUSSEX STREET CABRAMATTA	Residential	1
R1480	2 MYALL STREET CABRAMATTA	Residential	1
R1480	2 MYALL STREET CABRAMATTA	Residential	1
R1480	2 MYALL STREET CABRAMATTA	Residential	1
R1480	2 MYALL STREET CABRAMATTA	Residential	1
R1481	24 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1483	50 EURABBIE STREET CABRAMATTA	Residential	1
R1484	246 CABRAMATTA ROAD CABRAMATTA	Industrial	1
R1485	48 EURABBIE STREET CABRAMATTA	Residential	1
R1487	46 EURABBIE STREET CABRAMATTA	Residential	1
R1490	27 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1490	27 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1491	26 FREEMAN STREET WARWICK FARM	Residential	3
R1492	27 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1494	44 EURABBIE STREET CABRAMATTA	Residential	1
R1495	13 NICHOLLS STREET WARWICK FARM	Residential	3
R1496	28 FREEMAN STREET WARWICK FARM	Residential	3
R1497	40 EURABBIE STREET CABRAMATTA	Residential	1
R1499	42 EURABBIE STREET CABRAMATTA	Residential	1
R1503	20 FREEMAN STREET WARWICK FARM	Residential	3
R1505	24 FREEMAN STREET WARWICK FARM	Residential	3
R1506	38 EURABBIE STREET CABRAMATTA	Residential	1
R1506	38 EURABBIE STREET CABRAMATTA	Residential	1
R1508	22 FREEMAN STREET WARWICK FARM	Residential	3
R1509	30 FREEMAN STREET WARWICK FARM	Residential	3
R1510	12 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1512	36 EURABBIE STREET CABRAMATTA	Residential	1
R1512	36 EURABBIE STREET CABRAMATTA	Residential	1
R1513	30 EURABBIE STREET CABRAMATTA	Residential	1
R1516	34 EURABBIE STREET CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1516	34 EURABBIE STREET CABRAMATTA	Residential	1
R1517	38 SUSSEX STREET CABRAMATTA	Residential	1
R1517	38 SUSSEX STREET CABRAMATTA	Residential	1
R1519	16 FREEMAN STREET WARWICK FARM	Residential	3
R1522	18 FREEMAN STREET WARWICK FARM	Residential	3
R1524	32 EURABBIE STREET CABRAMATTA	Residential	1
R1524	32 EURABBIE STREET CABRAMATTA	Residential	1
R1526	14 FREEMAN STREET WARWICK FARM	Residential	3
R1528	28 EURABBIE STREET CABRAMATTA	Residential	1
R1528	28 EURABBIE STREET CABRAMATTA	Residential	1
R1529	26 EURABBIE STREET CABRAMATTA	Residential	1
R1530	11 NICHOLLS STREET WARWICK FARM	Residential	3
R1532	44 EURABBIE STREET CABRAMATTA	Residential	1
R1533	24 EURABBIE STREET CABRAMATTA	Residential	1
R1535	10 FREEMAN STREET WARWICK FARM	Residential	3
R1536	12 FREEMAN STREET WARWICK FARM	Residential	3
R1538	22 EURABBIE STREET CABRAMATTA	Residential	1
R1540	4 NICHOLLS STREET WARWICK FARM	Residential	3
R1540	4 NICHOLLS STREET WARWICK FARM	Residential	3
R1540	4 NICHOLLS STREET WARWICK FARM	Residential	3
R1540	4 NICHOLLS STREET WARWICK FARM	Residential	3
R1541	42 EURABBIE STREET CABRAMATTA	Residential	1
R1542	20 EURABBIE STREET CABRAMATTA	Residential	1
R1542	20 EURABBIE STREET CABRAMATTA	Residential	1
R1543	25 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1544	36 SUSSEX STREET CABRAMATTA	Residential	1
R1544	36 SUSSEX STREET CABRAMATTA	Residential	1
R1545	10 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1546	18 EURABBIE STREET CABRAMATTA	Residential	1
R1546	18 EURABBIE STREET CABRAMATTA	Residential	1
R1547	8 FREEMAN STREET WARWICK FARM	Residential	3
R1548	7 BOLIVIA STREET CABRAMATTA	Residential	1
R1548	7 BOLIVIA STREET CABRAMATTA	Residential	1
R1550	16 EURABBIE STREET CABRAMATTA	Residential	1
R1551	23 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1552	22B SUSSEX STREET CABRAMATTA	Active recreation	1
R1553	39 HUON STREET CABRAMATTA	Residential	1
R1554	12 EURABBIE STREET CABRAMATTA	Residential	1
R1555	14 EURABBIE STREET CABRAMATTA	Residential	1
R1555	14 EURABBIE STREET CABRAMATTA	Residential	1
R1556	9 NICHOLLS STREET WARWICK FARM	Residential	3
R1557	15 HUME HIGHWAY WARWICK FARM	Residential	3
R1559	10 EURABBIE STREET CABRAMATTA	Residential	1
R1560	21 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1562	8 EURABBIE STREET CABRAMATTA	Residential	1
R1563	11 ACACIA STREET CABRAMATTA	Residential	1
R1563	11 ACACIA STREET CABRAMATTA	Residential	1
R1563	11 ACACIA STREET CABRAMATTA	Residential	1
R1563	11 ACACIA STREET CABRAMATTA	Residential	1
R1565	19 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1566	6 EURABBIE STREET CABRAMATTA	Residential	1
R1567	17 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1568	9 ACACIA STREET CABRAMATTA	Residential	1
R1568	9 ACACIA STREET CABRAMATTA	Residential	1
R1568	9 ACACIA STREET CABRAMATTA	Residential	1
R1569	15 ACACIA STREET CABRAMATTA	Residential	1
R1569	15 ACACIA STREET CABRAMATTA	Residential	1
R1569	15 ACACIA STREET CABRAMATTA	Residential	1
R1569	15 ACACIA STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1570	31 HUON STREET CABRAMATTA	Residential	1
R1571	47 HUON STREET CABRAMATTA	Residential	1
R1571	47 HUON STREET CABRAMATTA	Residential	1
R1572	34 SUSSEX STREET CABRAMATTA	Residential	1
R1574	8 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1575	1 ACACIA STREET CABRAMATTA	Residential	1
R1576	15 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1577	4 EURABBIE STREET CABRAMATTA	Residential	1
R1577	4 EURABBIE STREET CABRAMATTA	Residential	1
R1578	45 HUON STREET CABRAMATTA	Residential	1
R1580	43 HUON STREET CABRAMATTA	Residential	1
R1581	35 HUON STREET CABRAMATTA	Residential	1
R1582	13 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1583	2 EURABBIE STREET CABRAMATTA	Residential	1
R1583	2 EURABBIE STREET CABRAMATTA	Residential	1
R1585	27 HUON STREET CABRAMATTA	Residential	1
R1587	41 HUON STREET CABRAMATTA	Residential	1
R1591	7 NICHOLLS STREET WARWICK FARM	Residential	3
R1592	7 ACACIA STREET CABRAMATTA	Residential	1
R1592	7 ACACIA STREET CABRAMATTA	Residential	1
R1592	7 ACACIA STREET CABRAMATTA	Residential	1
R1592	7 ACACIA STREET CABRAMATTA	Residential	1
R1593	13 ACACIA STREET CABRAMATTA	Residential	1
R1593	13 ACACIA STREET CABRAMATTA	Residential	1
R1593	13 ACACIA STREET CABRAMATTA	Residential	1
R1593	13 ACACIA STREET CABRAMATTA	Residential	1
R1594	25 STATION STREET WARWICK FARM	Residential	3
R1595	23 STATION STREET WARWICK FARM	Residential	3
R1596	33 HUON STREET CABRAMATTA	Residential	1
R1596	33 HUON STREET CABRAMATTA	Residential	1
R1598	37 HUON STREET CABRAMATTA	Residential	1
R1598	37 HUON STREET CABRAMATTA	Residential	1
R1599	39 HUON STREET CABRAMATTA	Residential	1
R1601	11 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1602	5 ACACIA STREET CABRAMATTA	Residential	1
R1602	5 ACACIA STREET CABRAMATTA	Residential	1
R1602	5 ACACIA STREET CABRAMATTA	Residential	1
R1602	5 ACACIA STREET CABRAMATTA	Residential	1
R1603	6 EURABBIE STREET CABRAMATTA	Residential	1
R1604	31 HUON STREET CABRAMATTA	Residential	1
R1605	275 RIDGE ROAD CENTRAL TILBA	Residential	1
R1605	275 RIDGE ROAD CENTRAL TILBA	Residential	1
R1607	9 STATION STREET WARWICK FARM	Residential	3
R1609	25 HUON STREET CABRAMATTA	Residential	1
R1611	19 HUON STREET CABRAMATTA	Residential	1
R1611	19 HUON STREET CABRAMATTA	Residential	1
R1612	21 STATION STREET WARWICK FARM	Residential	3
R1613	27 HUON STREET CABRAMATTA	Residential	1
R1614	21 HUON STREET CABRAMATTA	Residential	1
R1614	21 HUON STREET CABRAMATTA	Residential	1
R1615	17 HUON STREET CABRAMATTA	Residential	1
R1616	13 STATION STREET WARWICK FARM	Residential	3
R1621	29 HUON STREET CABRAMATTA	Residential	1
R1621	29 HUON STREET CABRAMATTA	Residential	1
R1622	3 ACACIA STREET CABRAMATTA	Residential	1
R1622	3 ACACIA STREET CABRAMATTA	Residential	1
R1622	3 ACACIA STREET CABRAMATTA	Residential	1
R1623	17 STATION STREET WARWICK FARM	Residential	3
R1624	15 STATION STREET WARWICK FARM	Residential	3

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1625	23 HUON STREET CABRAMATTA	Residential	1
R1626	6 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1627	32 SUSSEX STREET CABRAMATTA	Residential	1
R1627	32 SUSSEX STREET CABRAMATTA	Residential	1
R1628	19 STATION STREET WARWICK FARM	Residential	3
R1631	5 NICHOLLS STREET WARWICK FARM	Residential	3
R1633	4 NICHOLLS STREET WARWICK FARM	Residential	3
R1634	1 ACACIA STREET CABRAMATTA	Residential	1
R1634	1 ACACIA STREET CABRAMATTA	Residential	1
R1637	7 HUON STREET CABRAMATTA	Residential	1
R1637	7 HUON STREET CABRAMATTA	Residential	1
R1637	7 HUON STREET CABRAMATTA	Residential	1
R1640	9 HUON STREET CABRAMATTA	Residential	1
R1640	9 HUON STREET CABRAMATTA	Residential	1
R1640	9 HUON STREET CABRAMATTA	Residential	1
R1641	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1641	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1642	11 STATION STREET WARWICK FARM	Residential	3
R1643	13 HUON STREET CABRAMATTA	Residential	1
R1644	15 HUON STREET CABRAMATTA	Residential	1
R1646	1 ACACIA STREET CABRAMATTA	Residential	1
R1647	30 SUSSEX STREET CABRAMATTA	Residential	1
R1647	30 SUSSEX STREET CABRAMATTA	Residential	1
R1649	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1649	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1649	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1650	275 RIDGE ROAD CENTRAL TILBA	Residential	1
R1650	275 RIDGE ROAD CENTRAL TILBA	Residential	1
R1652	11 HUON STREET CABRAMATTA	Residential	1
R1652	11 HUON STREET CABRAMATTA	Residential	1
R1653	7 STATION STREET WARWICK FARM	Residential	3
R1655	9 STATION STREET WARWICK FARM	Residential	3
R1656	5 STATION STREET WARWICK FARM	Residential	3
R1657	4 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1662	5 HUON STREET CABRAMATTA	Residential	1
R1662	5 HUON STREET CABRAMATTA	Residential	1
R1663	3 NICHOLLS STREET WARWICK FARM	Residential	3
R1669	1 HUON STREET CABRAMATTA	Residential	1
R1671	3 STATION STREET WARWICK FARM	Residential	3
R1672	2 NICHOLLS STREET WARWICK FARM	Residential	3
R1673	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1673	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1675	3 HUON STREET CABRAMATTA	Residential	1
R1679	52 HUON STREET CABRAMATTA	Residential	1
R1681	50 HUON STREET CABRAMATTA	Residential	1
R1682	48 HUON STREET CABRAMATTA	Residential	1
R1682	48 HUON STREET CABRAMATTA	Residential	1
R1683	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1683	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1685	46 HUON STREET CABRAMATTA	Residential	1
R1685	46 HUON STREET CABRAMATTA	Residential	1
R1686	2 STATION STREET WARWICK FARM	Residential	3
R1687	44 HUON STREET CABRAMATTA	Residential	1
R1691	42 HUON STREET CABRAMATTA	Residential	1
R1692	40 HUON STREET CABRAMATTA	Residential	1
R1693	1 NICHOLLS STREET WARWICK FARM	Residential	3
R1695	38 HUON STREET CABRAMATTA	Residential	1
R1695	38 HUON STREET CABRAMATTA	Residential	1
R1698	36 HUON STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1698	36 HUON STREET CABRAMATTA	Residential	1
R1703	34 HUON STREET CABRAMATTA	Residential	1
R1705	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1706	32 HUON STREET CABRAMATTA	Residential	1
R1707	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Residential	3
R1711	30 HUON STREET CABRAMATTA	Residential	1
R1711	30 HUON STREET CABRAMATTA	Residential	1
R1712	91 ILLAROO ROAD NORTH NOWRA	Industrial	1
R1712	91 ILLAROO ROAD NORTH NOWRA	Industrial	1
R1713	26 HUON STREET CABRAMATTA	Residential	1
R1713	26 HUON STREET CABRAMATTA	Residential	1
R1714	28 HUON STREET CABRAMATTA	Residential	1
R1714	28 HUON STREET CABRAMATTA	Residential	1
R1716	18 ACACIA STREET CABRAMATTA	Residential	1
R1716	18 ACACIA STREET CABRAMATTA	Residential	1
R1717	24 HUON STREET CABRAMATTA	Residential	1
R1717	24 HUON STREET CABRAMATTA	Residential	1
R1721	22 HUON STREET CABRAMATTA	Residential	1
R1721	22 HUON STREET CABRAMATTA	Residential	1
R1724	14 ACACIA STREET CABRAMATTA	Residential	1
R1724	14 ACACIA STREET CABRAMATTA	Residential	1
R1728	18 ACACIA STREET CABRAMATTA	Residential	1
R1728	18 ACACIA STREET CABRAMATTA	Residential	1
R1729	20 HUON STREET CABRAMATTA	Residential	1
R1732	18 HUON STREET CABRAMATTA	Residential	1
R1733	12 ACACIA STREET CABRAMATTA	Residential	1
R1733	12 ACACIA STREET CABRAMATTA	Residential	1
R1733	12 ACACIA STREET CABRAMATTA	Residential	1
R1734	8 ACACIA STREET CABRAMATTA	Residential	1
R1734	8 ACACIA STREET CABRAMATTA	Residential	1
R1734	8 ACACIA STREET CABRAMATTA	Residential	1
R1734	8 ACACIA STREET CABRAMATTA	Residential	1
R1734	8 ACACIA STREET CABRAMATTA	Residential	1
R1735	16 HUON STREET CABRAMATTA	Residential	1
R1735	16 HUON STREET CABRAMATTA	Residential	1
R1736	6 ACACIA STREET CABRAMATTA	Residential	1
R1736	6 ACACIA STREET CABRAMATTA	Residential	1
R1737	10 ACACIA STREET CABRAMATTA	Residential	1
R1737	10 ACACIA STREET CABRAMATTA	Residential	1
R1737	10 ACACIA STREET CABRAMATTA	Residential	1
R1739	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1739	1 LAWRENCE HARGRAVE ROAD WARWICK FARM	Educational institute	3
R1740	14 HUON STREET CABRAMATTA	Residential	1
R1742	229 CORKHILL DRIVE TILBA TILBA	Residential	1
R1742	229 CORKHILL DRIVE TILBA TILBA	Residential	1
R1742	229 CORKHILL DRIVE TILBA TILBA	Residential	1
R1742	229 CORKHILL DRIVE TILBA TILBA	Residential	1
R1743	12 HUON STREET CABRAMATTA	Residential	1
R1750	18 ACACIA STREET CABRAMATTA	Residential	1
R1750	18 ACACIA STREET CABRAMATTA	Residential	1
R1753	14 ACACIA STREET CABRAMATTA	Residential	1
R1753	14 ACACIA STREET CABRAMATTA	Residential	1
R1755	8 HUON STREET CABRAMATTA	Residential	1
R1756	24 HUON STREET CABRAMATTA	Residential	1
R1757	2 ACACIA STREET CABRAMATTA	Residential	1
R1757	2 ACACIA STREET CABRAMATTA	Residential	1
R1757	2 ACACIA STREET CABRAMATTA	Residential	1
R1757	2 ACACIA STREET CABRAMATTA	Residential	1
R1758	10 HUON STREET CABRAMATTA	Residential	1
R1758	10 HUON STREET CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1759	14 ACACIA STREET CABRAMATTA	Residential	1
R1759	14 ACACIA STREET CABRAMATTA	Residential	1
R1760	6 HUON STREET CABRAMATTA	Residential	1
R1762	67 CHURCH STREET CABRAMATTA	Residential	1
R1764	69 CHURCH STREET CABRAMATTA	Residential	1
R1764	69 CHURCH STREET CABRAMATTA	Residential	1
R1766	4 HUON STREET CABRAMATTA	Residential	1
R1767	4 HUME HIGHWAY WARWICK FARM	Industrial	4
R1767	4 HUME HIGHWAY WARWICK FARM	Industrial	4
R1769	59 CHURCH STREET CABRAMATTA	Residential	1
R1774	2 HUON STREET CABRAMATTA	Residential	1
R1779	4 HUME HIGHWAY WARWICK FARM	Industrial	4
R1779	4 HUME HIGHWAY WARWICK FARM	Industrial	4
R1784	230 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1784	230 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1789	12 SUSSEX STREET CABRAMATTA	Commercial	1
R1789	12 SUSSEX STREET CABRAMATTA	Commercial	1
R1789	12 SUSSEX STREET CABRAMATTA	Commercial	1
R1790	63 CHURCH STREET CABRAMATTA	Residential	1
R1790	63 CHURCH STREET CABRAMATTA	Residential	1
R1794	43 CHURCH STREET CABRAMATTA	Residential	1
R1795	65 CHURCH STREET CABRAMATTA	Residential	1
R1795	65 CHURCH STREET CABRAMATTA	Residential	1
R1798	14 ACACIA STREET CABRAMATTA	Residential	1
R1798	14 ACACIA STREET CABRAMATTA	Residential	1
R1801	45 CHURCH STREET CABRAMATTA	Residential	1
R1803	61 CHURCH STREET CABRAMATTA	Residential	1
R1808	57 CHURCH STREET CABRAMATTA	Residential	1
R1808	57 CHURCH STREET CABRAMATTA	Residential	1
R1809	41 CHURCH STREET CABRAMATTA	Residential	1
R1810	57 CHURCH STREET CABRAMATTA	Residential	1
R1810	57 CHURCH STREET CABRAMATTA	Residential	1
R1813	59 CHURCH STREET CABRAMATTA	Residential	1
R1814	13 STATION STREET WARWICK FARM	Industrial	4
R1814	13 STATION STREET WARWICK FARM	Industrial	4
R1815	14 ACACIA STREET CABRAMATTA	Residential	1
R1815	14 ACACIA STREET CABRAMATTA	Residential	1
R1818	14 ACACIA STREET CABRAMATTA	Residential	1
R1818	14 ACACIA STREET CABRAMATTA	Residential	1
R1820	39 CHURCH STREET CABRAMATTA	Residential	1
R1821	55 CHURCH STREET CABRAMATTA	Residential	1
R1821	55 CHURCH STREET CABRAMATTA	Residential	1
R1824	53 CHURCH STREET CABRAMATTA	Residential	1
R1825	33 CHURCH STREET CABRAMATTA	Residential	1
R1828	51 CHURCH STREET CABRAMATTA	Residential	1
R1830	13 HUME HIGHWAY WARWICK FARM	Industrial	4
R1830	13 HUME HIGHWAY WARWICK FARM	Industrial	4
R1830	13 HUME HIGHWAY WARWICK FARM	Industrial	4
R1830	13 HUME HIGHWAY WARWICK FARM	Industrial	4
R1831	226 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1831	226 CABRAMATTA ROAD CABRAMATTA	Residential	1
R1836	49 CHURCH STREET CABRAMATTA	Residential	1
R1839	51 CHURCH STREET CABRAMATTA	Residential	1
R1840	47 CHURCH STREET CABRAMATTA	Residential	1
R1840	47 CHURCH STREET CABRAMATTA	Residential	1
R1841	43 CHURCH STREET CABRAMATTA	Residential	1
R1843	45 CHURCH STREET CABRAMATTA	Residential	1
R1843	45 CHURCH STREET CABRAMATTA	Residential	1
R1845	41 CHURCH STREET CABRAMATTA	Residential	1

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1845	41 CHURCH STREET CABRAMATTA	Residential	1
R1845	41 CHURCH STREET CABRAMATTA	Residential	1
R1846	1 BOLIVIA STREET CABRAMATTA	Residential	1
R1846	1 BOLIVIA STREET CABRAMATTA	Residential	1
R1847	37 CHURCH STREET CABRAMATTA	Residential	1
R1849	11 CHURCH STREET CABRAMATTA	Residential	1
R1849	11 CHURCH STREET CABRAMATTA	Residential	1
R1850	224 CABRAMATTA ROAD CABRAMATTA	Industrial	1
R1850	224 CABRAMATTA ROAD CABRAMATTA	Industrial	1
R1852	39 CHURCH STREET CABRAMATTA	Residential	1
R1854	13 CHURCH STREET CABRAMATTA	Residential	1
R1854	13 CHURCH STREET CABRAMATTA	Residential	1
R1854	13 CHURCH STREET CABRAMATTA	Residential	1
R1854	13 CHURCH STREET CABRAMATTA	Residential	1
R1854	13 CHURCH STREET CABRAMATTA	Residential	1
R1857	35 CHURCH STREET CABRAMATTA	Residential	1
R1858	15 CHURCH STREET CABRAMATTA	Residential	1
R1858	15 CHURCH STREET CABRAMATTA	Residential	1
R1861	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Industrial	4
R1863	27 CHURCH STREET CABRAMATTA	Residential	1
R1863	27 CHURCH STREET CABRAMATTA	Residential	1
R1863	27 CHURCH STREET CABRAMATTA	Residential	1
R1864	3 CHURCH STREET CABRAMATTA	Residential	1
R1864	3 CHURCH STREET CABRAMATTA	Residential	1
R1864	3 CHURCH STREET CABRAMATTA	Residential	1
R1866	33 CHURCH STREET CABRAMATTA	Residential	1
R1866	33 CHURCH STREET CABRAMATTA	Residential	1
R1874	29 CHURCH STREET CABRAMATTA	Residential	1
R1874	29 CHURCH STREET CABRAMATTA	Residential	1
R1875	9 DORA STREET DORA CREEK	Residential	1
R1875	9 DORA STREET DORA CREEK	Residential	1
R1875	9 DORA STREET DORA CREEK	Residential	1
R1876	31 CHURCH STREET CABRAMATTA	Residential	1
R1879	17 CHURCH STREET CABRAMATTA	Residential	1
R1879	17 CHURCH STREET CABRAMATTA	Residential	1
R1879	17 CHURCH STREET CABRAMATTA	Residential	1
R1885	19 CHURCH STREET CABRAMATTA	Residential	1
R1885	19 CHURCH STREET CABRAMATTA	Residential	1
R1889	25 CHURCH STREET CABRAMATTA	Residential	1
R1889	25 CHURCH STREET CABRAMATTA	Residential	1
R1892	2 LAWRENCE HARGRAVE ROAD WARWICK FARM	Industrial	4
R1893	64 CHURCH STREET CABRAMATTA	Residential	1
R1899	62 CHURCH STREET CABRAMATTA	Residential	1
R1903	60 CHURCH STREET CABRAMATTA	Residential	1
R1906	251 RAILWAY PARADE CABRAMATTA	Industrial	1
R1907	58 CHURCH STREET CABRAMATTA	Residential	1
R1910	208 CABRAMATTA ROAD CABRAMATTA	Industrial	1
R1913	56 CHURCH STREET CABRAMATTA	Residential	1
R1916	2 PEVENSEY STREET CANLEY VALE	Residential	1
R1916	2 PEVENSEY STREET CANLEY VALE	Residential	1
R1918	52 CHURCH STREET CABRAMATTA	Residential	1
R1920	54 CHURCH STREET CABRAMATTA	Residential	1
R1923	SAPPHO ROAD WARWICK FARM	Industrial	4
R1926	50 CHURCH STREET CABRAMATTA	Residential	1
R1929	48 CHURCH STREET CABRAMATTA	Residential	1
R1934	44 CHURCH STREET CABRAMATTA	Residential	1
R1942	3 MALLEE STREET CABRAMATTA	Residential	1
R1945	62 CHURCH STREET CABRAMATTA	Residential	1
R1947	SAPPHO ROAD WARWICK FARM	Industrial	4
R1951	13 HUME HIGHWAY WARWICK FARM	Industrial	4

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R1953	38 CHURCH STREET CABRAMATTA	Residential	1
R1953	38 CHURCH STREET CABRAMATTA	Residential	1
R1959	32 CHURCH STREET CABRAMATTA	Residential	1
R1959	32 CHURCH STREET CABRAMATTA	Residential	1
R1960	36 CHURCH STREET CABRAMATTA	Residential	1
R1963	3 MALLEE STREET CABRAMATTA	Residential	1
R1967	34 CHURCH STREET CABRAMATTA	Residential	1
R1967	34 CHURCH STREET CABRAMATTA	Residential	1
R1967	34 CHURCH STREET CABRAMATTA	Residential	1
R1974	30 CHURCH STREET CABRAMATTA	Residential	1
R1980	28 CHURCH STREET CABRAMATTA	Residential	1
R1980	28 CHURCH STREET CABRAMATTA	Residential	1
R1982	26 CHURCH STREET CABRAMATTA	Residential	1
R1983	24 CHURCH STREET CABRAMATTA	Residential	1
R1983	24 CHURCH STREET CABRAMATTA	Residential	1
R1987	42 CHURCH STREET CABRAMATTA	Industrial	1
R1987	42 CHURCH STREET CABRAMATTA	Industrial	1
R1995	22 CHURCH STREET CABRAMATTA	Residential	1
R1995	22 CHURCH STREET CABRAMATTA	Residential	1
R1996	32 CHURCH STREET CABRAMATTA	Residential	1
R2003	20 CHURCH STREET CABRAMATTA	Residential	1
R2003	20 CHURCH STREET CABRAMATTA	Residential	1
R2006	18 CHURCH STREET CABRAMATTA	Residential	1
R2009	16 CHURCH STREET CABRAMATTA	Residential	1
R2014	14 CHURCH STREET CABRAMATTA	Residential	1
R2015	190 TOWNVIEW ROAD MOUNT PRITCHARD	Residential	1
R2015	190 TOWNVIEW ROAD MOUNT PRITCHARD	Residential	1
R2016	1 MALLEE STREET CABRAMATTA	Residential	1
R2024	8 CHURCH STREET CABRAMATTA	Residential	1
R2024	8 CHURCH STREET CABRAMATTA	Residential	1
R2024	8 CHURCH STREET CABRAMATTA	Residential	1
R2024	8 CHURCH STREET CABRAMATTA	Residential	1
R2026	4 CHURCH STREET CABRAMATTA	Residential	1
R2026	4 CHURCH STREET CABRAMATTA	Residential	1
R2026	4 CHURCH STREET CABRAMATTA	Residential	1
R2028	240 RAILWAY PARADE CABRAMATTA	Industrial	1
R2031	10A WHIFFENS LANE CENTRAL TILBA	Residential	1
R2031	10A WHIFFENS LANE CENTRAL TILBA	Residential	1
R2031	10A WHIFFENS LANE CENTRAL TILBA	Residential	1
R2034	32 CHURCH STREET CABRAMATTA	Residential	1
R2034	32 CHURCH STREET CABRAMATTA	Residential	1
R2038	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2040	28 CHURCH STREET CABRAMATTA	Residential	1
R2051	235 RAILWAY PARADE CABRAMATTA	Residential	1
R2055	230 RAILWAY PARADE CABRAMATTA	Residential	1
R2055	230 RAILWAY PARADE CABRAMATTA	Residential	1
R2055	230 RAILWAY PARADE CABRAMATTA	Residential	1
R2061	238 RAILWAY PARADE CABRAMATTA	Residential	1
R2064	14 CHURCH STREET CABRAMATTA	Residential	1
R2070	235 RAILWAY PARADE CABRAMATTA	Residential	1
R2070	235 RAILWAY PARADE CABRAMATTA	Residential	1
R2072	231 RAILWAY PARADE CABRAMATTA	Residential	1
R2073	190 TOWNVIEW ROAD MOUNT PRITCHARD	Residential	1
R2075	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2081	232 RAILWAY PARADE CABRAMATTA	Residential	1
R2081	232 RAILWAY PARADE CABRAMATTA	Residential	1
R2083	234 RAILWAY PARADE CABRAMATTA	Residential	1
R2085	SAPPHO ROAD WARWICK FARM	Industrial	4
R2087	228 RAILWAY PARADE CABRAMATTA	Residential	1



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2087	228 RAILWAY PARADE CABRAMATTA	Residential	1
R2087	228 RAILWAY PARADE CABRAMATTA	Residential	1
R2087	228 RAILWAY PARADE CABRAMATTA	Residential	1
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	1
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	1
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	1
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	1
R2088	229 RAILWAY PARADE CABRAMATTA	Residential	1
R2090	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2092	233 RAILWAY PARADE CABRAMATTA	Residential	1
R2093	231 RAILWAY PARADE CABRAMATTA	Residential	1
R2102	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2106	SAPPHO ROAD WARWICK FARM	Industrial	4
R2106	SAPPHO ROAD WARWICK FARM	Industrial	4
R2106	SAPPHO ROAD WARWICK FARM	Industrial	4
R2109	10 SUSSEX STREET CABRAMATTA	Residential	2
R2109	10 SUSSEX STREET CABRAMATTA	Residential	2
R2110	226 RAILWAY PARADE CABRAMATTA	Residential	1
R2112	225 RAILWAY PARADE CABRAMATTA	Residential	1
R2114	227 RAILWAY PARADE CABRAMATTA	Residential	1
R2118	225 RAILWAY PARADE CABRAMATTA	Residential	1
R2118	225 RAILWAY PARADE CABRAMATTA	Residential	1
R2121	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2122	176 BROOMFIELD STREET CABRAMATTA	Residential	2
R2122	176 BROOMFIELD STREET CABRAMATTA	Residential	2
R2125	224 RAILWAY PARADE CABRAMATTA	Commercial	1
R2125	224 RAILWAY PARADE CABRAMATTA	Commercial	1
R2128	174 BROOMFIELD STREET CABRAMATTA	Residential	2
R2128	174 BROOMFIELD STREET CABRAMATTA	Residential	2
R2134	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2135	80 NORTHCOVE ROAD LONG BEACH	Residential	2
R2137	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2137	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2138	170 BROOMFIELD STREET CABRAMATTA	Residential	2
R2140	168 BROOMFIELD STREET CABRAMATTA	Residential	2
R2140	168 BROOMFIELD STREET CABRAMATTA	Residential	2
R2142	SUSSEX STREET CABRAMATTA	Residential	2
R2142	SUSSEX STREET CABRAMATTA	Residential	2
R2146	166 BROOMFIELD STREET CABRAMATTA	Residential	2
R2146	166 BROOMFIELD STREET CABRAMATTA	Residential	2
R2149	166 BROOMFIELD STREET CABRAMATTA	Residential	2
R2149	166 BROOMFIELD STREET CABRAMATTA	Residential	2
R2152	164 BROOMFIELD STREET CABRAMATTA	Residential	2
R2152	164 BROOMFIELD STREET CABRAMATTA	Residential	2
R2152	164 BROOMFIELD STREET CABRAMATTA	Residential	2
R2157	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2157	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2158	158 BROOMFIELD STREET CABRAMATTA	Residential	2
R2159	162 BROOMFIELD STREET CABRAMATTA	Residential	2
R2161	160 BROOMFIELD STREET CABRAMATTA	Residential	2
R2166	156 BROOMFIELD STREET CABRAMATTA	Residential	2
R2172	6 SUSSEX STREET CABRAMATTA	Residential	2
R2175	172 BROOMFIELD STREET CABRAMATTA	Residential	2
R2176	154 BROOMFIELD STREET CABRAMATTA	Residential	2
R2178	152 BROOMFIELD STREET CABRAMATTA	Residential	2
R2181	150 BROOMFIELD STREET CABRAMATTA	Residential	2
R2181	150 BROOMFIELD STREET CABRAMATTA	Residential	2
R2183	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2184	148 BROOMFIELD STREET CABRAMATTA	Residential	2
R2184	148 BROOMFIELD STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2185	4 SUSSEX STREET CABRAMATTA	Residential	2
R2189	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2192	146 BROOMFIELD STREET CABRAMATTA	Residential	2
R2194	144 BROOMFIELD STREET CABRAMATTA	Residential	2
R2194	144 BROOMFIELD STREET CABRAMATTA	Residential	2
R2195	1 SAPPHO ROAD WARWICK FARM	Industrial	4
R2196	158 BROOMFIELD STREET CABRAMATTA	Residential	2
R2198	158 BROOMFIELD STREET CABRAMATTA	Residential	2
R2200	162 BROOMFIELD STREET CABRAMATTA	Residential	2
R2201	138 BROOMFIELD STREET CABRAMATTA	Residential	2
R2201	138 BROOMFIELD STREET CABRAMATTA	Residential	2
R2203	4 SUSSEX STREET CABRAMATTA	Residential	2
R2205	172 BROOMFIELD STREET CABRAMATTA	Residential	2
R2208	136 BROOMFIELD STREET CABRAMATTA	Residential	2
R2208	136 BROOMFIELD STREET CABRAMATTA	Residential	2
R2212	134 BROOMFIELD STREET CABRAMATTA	Residential	2
R2216	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2216	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2218	57 NATIONAL STREET CABRAMATTA	Residential	2
R2220	130 BROOMFIELD STREET CABRAMATTA	Residential	2
R2220	130 BROOMFIELD STREET CABRAMATTA	Residential	2
R2222	156 BROOMFIELD STREET CABRAMATTA	Residential	2
R2223	114 ILLAROO ROAD NORTH NOWRA	Residential	2
R2225	152 BROOMFIELD STREET CABRAMATTA	Residential	2
R2226	150 BROOMFIELD STREET CABRAMATTA	Residential	2
R2229	128 BROOMFIELD STREET CABRAMATTA	Residential	2
R2229	128 BROOMFIELD STREET CABRAMATTA	Residential	2
R2231	114 ILLAROO ROAD NORTH NOWRA	Residential	2
R2231	114 ILLAROO ROAD NORTH NOWRA	Residential	2
R2231	114 ILLAROO ROAD NORTH NOWRA	Residential	2
R2235	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2235	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2236	45 JUNCTION STREET CABRAMATTA	Residential	2
R2236	45 JUNCTION STREET CABRAMATTA	Residential	2
R2237	126 BROOMFIELD STREET CABRAMATTA	Residential	2
R2237	126 BROOMFIELD STREET CABRAMATTA	Residential	2
R2238	47 NATIONAL STREET CABRAMATTA	Residential	2
R2239	124 BROOMFIELD STREET CABRAMATTA	Residential	2
R2241	57 NATIONAL STREET CABRAMATTA	Residential	2
R2243	59 NATIONAL STREET CABRAMATTA	Residential	2
R2243	59 NATIONAL STREET CABRAMATTA	Residential	2
R2246	144 BROOMFIELD STREET CABRAMATTA	Residential	2
R2247	122 BROOMFIELD STREET CABRAMATTA	Residential	2
R2247	122 BROOMFIELD STREET CABRAMATTA	Residential	2
R2249	53 NATIONAL STREET CABRAMATTA	Residential	2
R2249	53 NATIONAL STREET CABRAMATTA	Residential	2
R2253	37 NATIONAL STREET CABRAMATTA	Residential	2
R2254	118 BROOMFIELD STREET CABRAMATTA	Residential	2
R2255	120 BROOMFIELD STREET CABRAMATTA	Residential	2
R2256	55 NATIONAL STREET CABRAMATTA	Residential	2
R2256	55 NATIONAL STREET CABRAMATTA	Residential	2
R2258	46 JUNCTION STREET CABRAMATTA	Residential	2
R2261	51 NATIONAL STREET CABRAMATTA	Residential	2
R2262	116 BROOMFIELD STREET CABRAMATTA	Residential	2
R2263	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2263	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2264	46 JUNCTION STREET CABRAMATTA	Residential	2
R2264	46 JUNCTION STREET CABRAMATTA	Residential	2
R2264	46 JUNCTION STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2267	35 NATIONAL STREET CABRAMATTA	Residential	2
R2267	35 NATIONAL STREET CABRAMATTA	Residential	2
R2271	114 BROOMFIELD STREET CABRAMATTA	Residential	2
R2272	47 NATIONAL STREET CABRAMATTA	Residential	2
R2274	49 NATIONAL STREET CABRAMATTA	Residential	2
R2277	112B BROOMFIELD STREET CABRAMATTA	Residential	2
R2277	112B BROOMFIELD STREET CABRAMATTA	Residential	2
R2279	41 NATIONAL STREET CABRAMATTA	Residential	2
R2280	45 NATIONAL STREET CABRAMATTA	Residential	2
R2281	130 BROOMFIELD STREET CABRAMATTA	Residential	2
R2283	43 NATIONAL STREET CABRAMATTA	Residential	2
R2283	43 NATIONAL STREET CABRAMATTA	Residential	2
R2284	118 BROOMFIELD STREET CABRAMATTA	Residential	2
R2285	37 NATIONAL STREET CABRAMATTA	Residential	2
R2285	37 NATIONAL STREET CABRAMATTA	Residential	2
R2286	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2286	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2288	116 BROOMFIELD STREET CABRAMATTA	Residential	2
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2289	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2290	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2291	39 NATIONAL STREET CABRAMATTA	Residential	2
R2291	39 NATIONAL STREET CABRAMATTA	Residential	2
R2294	106 BROOMFIELD STREET CABRAMATTA	Residential	2
R2294	106 BROOMFIELD STREET CABRAMATTA	Residential	2
R2295	114 BROOMFIELD STREET CABRAMATTA	Residential	2
R2296	33 NATIONAL STREET CABRAMATTA	Residential	2
R2296	33 NATIONAL STREET CABRAMATTA	Residential	2
R2297	27 NATIONAL STREET CABRAMATTA	Residential	2
R2297	27 NATIONAL STREET CABRAMATTA	Residential	2
R2297	27 NATIONAL STREET CABRAMATTA	Residential	2
R2299	54 NATIONAL STREET CABRAMATTA	Residential	2
R2299	54 NATIONAL STREET CABRAMATTA	Residential	2
R2300	31 NATIONAL STREET CABRAMATTA	Residential	2
R2300	31 NATIONAL STREET CABRAMATTA	Residential	2
R2301	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2304	21 NATIONAL STREET CABRAMATTA	Residential	2
R2305	112B BROOMFIELD STREET CABRAMATTA	Residential	2
R2306	118 BROOMFIELD STREET CABRAMATTA	Residential	2
R2307	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2307	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2307	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2307	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2308	52 NATIONAL STREET CABRAMATTA	Residential	2
R2311	104 BROOMFIELD STREET CABRAMATTA	Residential	2
R2311	104 BROOMFIELD STREET CABRAMATTA	Residential	2
R2312	54 NATIONAL STREET CABRAMATTA	Residential	2
R2312	54 NATIONAL STREET CABRAMATTA	Residential	2
R2313	116 BROOMFIELD STREET CABRAMATTA	Residential	2
R2316	50 NATIONAL STREET CABRAMATTA	Residential	2
R2317	48 NATIONAL STREET CABRAMATTA	Residential	2
R2317	48 NATIONAL STREET CABRAMATTA	Residential	2
R2319	100 BROOMFIELD STREET CABRAMATTA	Residential	2
R2319	100 BROOMFIELD STREET CABRAMATTA	Residential	2
R2319	100 BROOMFIELD STREET CABRAMATTA	Residential	2
R2321	46 NATIONAL STREET CABRAMATTA	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2322	44 NATIONAL STREET CABRAMATTA	Residential	2
R2324	27 MUNDAY STREET WARWICK FARM	Active recreation	4
R2325	25 NATIONAL STREET CABRAMATTA	Residential	2
R2325	25 NATIONAL STREET CABRAMATTA	Residential	2
R2326	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2326	2 SAPPHO ROAD WARWICK FARM	Industrial	4
R2327	17 NATIONAL STREET CABRAMATTA	Residential	2
R2328	42 NATIONAL STREET CABRAMATTA	Residential	2
R2328	42 NATIONAL STREET CABRAMATTA	Residential	2
R2330	23 NATIONAL STREET CABRAMATTA	Residential	2
R2330	23 NATIONAL STREET CABRAMATTA	Residential	2
R2331	40 NATIONAL STREET CABRAMATTA	Residential	2
R2331	40 NATIONAL STREET CABRAMATTA	Residential	2
R2332	11 NATIONAL STREET CABRAMATTA	Residential	2
R2333	19 NATIONAL STREET CABRAMATTA	Residential	2
R2335	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2335	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2336	50 NATIONAL STREET CABRAMATTA	Residential	2
R2337	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2337	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2337	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2337	108 BROOMFIELD STREET CABRAMATTA	Residential	2
R2338	26 BOUNDARY LANE CABRAMATTA	Residential	2
R2339	15 NATIONAL STREET CABRAMATTA	Residential	2
R2339	15 NATIONAL STREET CABRAMATTA	Residential	2
R2341	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2342	26 BRIDGE STREET CABRAMATTA	Residential	2
R2343	2 FOREST OAK AVENUE ULLADULLA	Residential	2
R2343	2 FOREST OAK AVENUE ULLADULLA	Residential	2
R2348	13 NATIONAL STREET CABRAMATTA	Residential	2
R2349	36 NATIONAL STREET CABRAMATTA	Residential	2
R2350	9 NATIONAL STREET CABRAMATTA	Residential	2
R2350	9 NATIONAL STREET CABRAMATTA	Residential	2
R2353	7 NATIONAL STREET CABRAMATTA	Residential	2
R2353	7 NATIONAL STREET CABRAMATTA	Residential	2
R2354	34 NATIONAL STREET CABRAMATTA	Residential	2
R2356	32 NATIONAL STREET CABRAMATTA	Residential	2
R2356	32 NATIONAL STREET CABRAMATTA	Residential	2
R2358	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2359	48 NATIONAL STREET CABRAMATTA	Residential	2
R2360	46A NATIONAL STREET CABRAMATTA	Residential	2
R2361	44 JUNCTION STREET CABRAMATTA	Residential	2
R2362	30 NATIONAL STREET CABRAMATTA	Residential	2
R2363	5 NATIONAL STREET CABRAMATTA	Residential	2
R2364	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2366	1 SAPPHO ROAD WARWICK FARM	Industrial	4
R2371	1 LIVERPOOL STREET CABRAMATTA	Residential	2
R2372	3 NATIONAL STREET CABRAMATTA	Residential	2
R2375	1 NATIONAL STREET CABRAMATTA	Residential	2
R2378	17 BRIDGE STREET CABRAMATTA	Residential	2
R2378	17 BRIDGE STREET CABRAMATTA	Residential	2
R2378	17 BRIDGE STREET CABRAMATTA	Residential	2
R2380	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2381	42 JUNCTION STREET CABRAMATTA	Residential	2
R2381	42 JUNCTION STREET CABRAMATTA	Residential	2
R2382	22 BRIDGE STREET CABRAMATTA	Residential	2
R2382	22 BRIDGE STREET CABRAMATTA	Residential	2
R2382	22 BRIDGE STREET CABRAMATTA	Residential	2
R2383	26 NATIONAL STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2383	26 NATIONAL STREET CABRAMATTA	Residential	2
R2384	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2385	28 NATIONAL STREET CABRAMATTA	Residential	2
R2387	24 NATIONAL STREET CABRAMATTA	Residential	2
R2387	24 NATIONAL STREET CABRAMATTA	Residential	2
R2389	3A LIVERPOOL STREET CABRAMATTA	Residential	2
R2389	3A LIVERPOOL STREET CABRAMATTA	Residential	2
R2390	22 NATIONAL STREET CABRAMATTA	Residential	2
R2392	1A LIVERPOOL STREET CABRAMATTA	Residential	2
R2392	1A LIVERPOOL STREET CABRAMATTA	Residential	2
R2392	1A LIVERPOOL STREET CABRAMATTA	Residential	2
R2393	34 NATIONAL STREET CABRAMATTA	Residential	2
R2393	34 NATIONAL STREET CABRAMATTA	Residential	2
R2394	44 SALMON STREET TUROSS HEAD	Residential	2
R2394	44 SALMON STREET TUROSS HEAD	Residential	2
R2394	44 SALMON STREET TUROSS HEAD	Residential	2
R2394	44 SALMON STREET TUROSS HEAD	Residential	2
R2395	20 NATIONAL STREET CABRAMATTA	Residential	2
R2396	27 MUNDAY STREET WARWICK FARM	Active recreation	4
R2398	3 LIVERPOOL STREET CABRAMATTA	Residential	2
R2398	3 LIVERPOOL STREET CABRAMATTA	Residential	2
R2399	40 JUNCTION STREET CABRAMATTA	Residential	2
R2400	1 SAPPHO ROAD WARWICK FARM	Industrial	4
R2402	100 THE ANCHORAGE MORUYA HEADS	Residential	2
R2402	100 THE ANCHORAGE MORUYA HEADS	Residential	2
R2404	16 NATIONAL STREET CABRAMATTA	Residential	2
R2404	16 NATIONAL STREET CABRAMATTA	Residential	2
R2405	18 NATIONAL STREET CABRAMATTA	Residential	2
R2405	18 NATIONAL STREET CABRAMATTA	Residential	2
R2406	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2407	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2407	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2409	14 NATIONAL STREET CABRAMATTA	Residential	2
R2411	12 NATIONAL STREET CABRAMATTA	Residential	2
R2411	12 NATIONAL STREET CABRAMATTA	Residential	2
R2411	12 NATIONAL STREET CABRAMATTA	Residential	2
R2412	38 JUNCTION STREET CABRAMATTA	Residential	2
R2413	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2414	45 BOUNDARY LANE CABRAMATTA	Residential	2
R2415	1 SAPPHO ROAD WARWICK FARM	Industrial	4
R2416	10 NATIONAL STREET CABRAMATTA	Residential	2
R2416	10 NATIONAL STREET CABRAMATTA	Residential	2
R2416	10 NATIONAL STREET CABRAMATTA	Residential	2
R2417	13 BRIDGE STREET CABRAMATTA	Residential	2
R2417	13 BRIDGE STREET CABRAMATTA	Residential	2
R2417	13 BRIDGE STREET CABRAMATTA	Residential	2
R2418	38 JUNCTION STREET CABRAMATTA	Residential	2
R2418	38 JUNCTION STREET CABRAMATTA	Residential	2
R2421	6 NATIONAL STREET CABRAMATTA	Residential	2
R2421	6 NATIONAL STREET CABRAMATTA	Residential	2
R2422	18 BRIDGE STREET CABRAMATTA	Residential	2
R2423	1 HUME HIGHWAY WARWICK FARM	Active recreation	4
R2425	8 NATIONAL STREET CABRAMATTA	Residential	2
R2425	8 NATIONAL STREET CABRAMATTA	Residential	2
R2426	105 CUMBERLAND STREET CABRAMATTA	Residential	2
R2427	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2428	39 JUNCTION STREET CABRAMATTA	Residential	2
R2429	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2429	119 CUMBERLAND STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2430	2 NATIONAL STREET CABRAMATTA	Residential	2
R2430	2 NATIONAL STREET CABRAMATTA	Residential	2
R2432	4 NATIONAL STREET CABRAMATTA	Residential	2
R2436	9 RIDGE STREET NORTH SYDNEY	Residential	2
R2436	9 RIDGE STREET NORTH SYDNEY	Residential	2
R2437	9 RIDGE STREET NORTH SYDNEY	Residential	2
R2437	9 RIDGE STREET NORTH SYDNEY	Residential	2
R2440	16 BRIDGE STREET CABRAMATTA	Residential	2
R2440	16 BRIDGE STREET CABRAMATTA	Residential	2
R2442	12 NATIONAL STREET CABRAMATTA	Residential	2
R2443	20 NATIONAL STREET CABRAMATTA	Residential	2
R2444	36 JUNCTION STREET CABRAMATTA	Residential	2
R2444	36 JUNCTION STREET CABRAMATTA	Residential	2
R2447	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2448	37 JUNCTION STREET CABRAMATTA	Residential	2
R2448	37 JUNCTION STREET CABRAMATTA	Residential	2
R2449	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2450	103 CUMBERLAND STREET CABRAMATTA	Residential	2
R2451	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2451	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2451	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2451	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2452	105 CUMBERLAND STREET CABRAMATTA	Residential	2
R2453	12A NATIONAL STREET CABRAMATTA	Residential	2
R2454	7 LIVERPOOL STREET CABRAMATTA	Residential	2
R2454	7 LIVERPOOL STREET CABRAMATTA	Residential	2
R2455	6 NATIONAL STREET CABRAMATTA	Residential	2
R2457	109 CUMBERLAND STREET CABRAMATTA	Residential	2
R2457	109 CUMBERLAND STREET CABRAMATTA	Residential	2
R2457	109 CUMBERLAND STREET CABRAMATTA	Residential	2
R2458	4 NATIONAL STREET CABRAMATTA	Residential	2
R2459	27 MUNDAY STREET WARWICK FARM	Active recreation	4
R2460	12A NATIONAL STREET CABRAMATTA	Residential	2
R2461	7 PARK LANE MORUYA	Residential	2
R2461	7 PARK LANE MORUYA	Residential	2
R2461	7 PARK LANE MORUYA	Residential	2
R2463	93 THE ANCHORAGE MORUYA HEADS	Residential	2
R2463	93 THE ANCHORAGE MORUYA HEADS	Residential	2
R2464	34 JUNCTION STREET CABRAMATTA	Residential	2
R2464	34 JUNCTION STREET CABRAMATTA	Residential	2
R2465	111 CUMBERLAND STREET CABRAMATTA	Residential	2
R2465	111 CUMBERLAND STREET CABRAMATTA	Residential	2
R2468	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2470	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2470	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2471	93 THE ANCHORAGE MORUYA HEADS	Residential	2
R2471	93 THE ANCHORAGE MORUYA HEADS	Residential	2
R2473	7B LIVERPOOL STREET CABRAMATTA	Residential	2
R2473	7B LIVERPOOL STREET CABRAMATTA	Residential	2
R2475	6 NATIONAL STREET CABRAMATTA	Residential	2
R2476	35 JUNCTION STREET CABRAMATTA	Residential	2
R2476	35 JUNCTION STREET CABRAMATTA	Residential	2
R2477	24 BOUNDARY LANE CABRAMATTA	Residential	2
R2477	24 BOUNDARY LANE CABRAMATTA	Residential	2
R2477	24 BOUNDARY LANE CABRAMATTA	Residential	2
R2478	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2478	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2478	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2478	120 CABRAMATTA ROAD CABRAMATTA	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2479	119 CUMBERLAND STREET CABRAMATTA	Residential	2
R2482	39A BOUNDARY LANE CABRAMATTA	Residential	2
R2482	39A BOUNDARY LANE CABRAMATTA	Residential	2
R2484	95 CUMBERLAND STREET CABRAMATTA	Residential	2
R2485	57 SALMON STREET TUROSS HEAD	Residential	2
R2485	57 SALMON STREET TUROSS HEAD	Residential	2
R2485	57 SALMON STREET TUROSS HEAD	Residential	2
R2486	7A LIVERPOOL STREET CABRAMATTA	Residential	2
R2488	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2488	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2488	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2488	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2490	107 CUMBERLAND STREET CABRAMATTA	Residential	2
R2491	12 BRIDGE STREET CABRAMATTA	Residential	2
R2491	12 BRIDGE STREET CABRAMATTA	Residential	2
R2492	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2492	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2492	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2492	120 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2494	103 CUMBERLAND STREET CABRAMATTA	Residential	2
R2494	103 CUMBERLAND STREET CABRAMATTA	Residential	2
R2495	32 JUNCTION STREET CABRAMATTA	Residential	2
R2495	32 JUNCTION STREET CABRAMATTA	Residential	2
R2496	105 CUMBERLAND STREET CABRAMATTA	Residential	2
R2500	33 JUNCTION STREET CABRAMATTA	Residential	2
R2500	33 JUNCTION STREET CABRAMATTA	Residential	2
R2505	30 JUNCTION STREET CABRAMATTA	Residential	2
R2506	5 BRIDGE STREET CABRAMATTA	Residential	2
R2506	5 BRIDGE STREET CABRAMATTA	Residential	2
R2506	5 BRIDGE STREET CABRAMATTA	Residential	2
R2507	6 BRIDGE STREET CABRAMATTA	Residential	2
R2507	6 BRIDGE STREET CABRAMATTA	Residential	2
R2508	30 JUNCTION STREET CABRAMATTA	Residential	2
R2508	30 JUNCTION STREET CABRAMATTA	Residential	2
R2509	9 LIVERPOOL STREET CABRAMATTA	Residential	2
R2512	9B LIVERPOOL STREET CABRAMATTA	Residential	2
R2512	9B LIVERPOOL STREET CABRAMATTA	Residential	2
R2513	6 BRIDGE STREET CABRAMATTA	Residential	2
R2513	6 BRIDGE STREET CABRAMATTA	Residential	2
R2516	22 BOUNDARY LANE CABRAMATTA	Residential	2
R2519	31 JUNCTION STREET CABRAMATTA	Residential	2
R2521	31 JUNCTION STREET CABRAMATTA	Residential	2
R2522	3 BRIDGE STREET CABRAMATTA	Residential	2
R2522	3 BRIDGE STREET CABRAMATTA	Residential	2
R2522	3 BRIDGE STREET CABRAMATTA	Residential	2
R2523	97 CUMBERLAND STREET CABRAMATTA	Residential	2
R2524	99 CUMBERLAND STREET CABRAMATTA	Residential	2
R2525	118 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2525	118 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2525	118 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2525	118 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2526	116 CUMBERLAND STREET CABRAMATTA	Residential	2
R2528	114 CUMBERLAND STREET CABRAMATTA	Residential	2
R2529	95 CUMBERLAND STREET CABRAMATTA	Residential	2
R2529	95 CUMBERLAND STREET CABRAMATTA	Residential	2
R2529	95 CUMBERLAND STREET CABRAMATTA	Residential	2
R2530	83 CUMBERLAND STREET CABRAMATTA	Residential	2
R2533	11 LIVERPOOL STREET CABRAMATTA	Residential	2
R2535	93 CUMBERLAND STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2536	110 CUMBERLAND STREET CABRAMATTA	Residential	2
R2536	110 CUMBERLAND STREET CABRAMATTA	Residential	2
R2538	6 BRIDGE STREET CABRAMATTA	Residential	2
R2538	6 BRIDGE STREET CABRAMATTA	Residential	2
R2540	11 LIVERPOOL STREET CABRAMATTA	Residential	2
R2540	11 LIVERPOOL STREET CABRAMATTA	Residential	2
R2541	108 CUMBERLAND STREET CABRAMATTA	Residential	2
R2541	108 CUMBERLAND STREET CABRAMATTA	Residential	2
R2542	91 CUMBERLAND STREET CABRAMATTA	Residential	2
R2542	91 CUMBERLAND STREET CABRAMATTA	Residential	2
R2543	13 LIVERPOOL STREET CABRAMATTA	Residential	2
R2543	13 LIVERPOOL STREET CABRAMATTA	Residential	2
R2544	1 BLAIR PLACE CABRAMATTA	Residential	2
R2544	1 BLAIR PLACE CABRAMATTA	Residential	2
R2545	85 CUMBERLAND STREET CABRAMATTA	Residential	2
R2548	1 BRIDGE STREET CABRAMATTA	Residential	2
R2550	87 CUMBERLAND STREET CABRAMATTA	Residential	2
R2551	116 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2551	116 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2551	116 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2552	79 CUMBERLAND STREET CABRAMATTA	Residential	2
R2553	2 BLAIR PLACE CABRAMATTA	Residential	2
R2555	81 CUMBERLAND STREET CABRAMATTA	Residential	2
R2556	7 HUME HIGHWAY WARWICK FARM	Industrial	4
R2556	7 HUME HIGHWAY WARWICK FARM	Industrial	4
R2557	89 CUMBERLAND STREET CABRAMATTA	Residential	2
R2561	83 CUMBERLAND STREET CABRAMATTA	Residential	2
R2562	13 LIVERPOOL STREET CABRAMATTA	Residential	2
R2562	13 LIVERPOOL STREET CABRAMATTA	Residential	2
R2563	18 LIVERPOOL STREET CABRAMATTA	Residential	2
R2563	18 LIVERPOOL STREET CABRAMATTA	Residential	2
R2564	3 BLAIR PLACE CABRAMATTA	Residential	2
R2564	3 BLAIR PLACE CABRAMATTA	Residential	2
R2565	106 CUMBERLAND STREET CABRAMATTA	Residential	2
R2566	55 CUMBERLAND STREET CABRAMATTA	Residential	2
R2566	55 CUMBERLAND STREET CABRAMATTA	Residential	2
R2566	55 CUMBERLAND STREET CABRAMATTA	Residential	2
R2566	55 CUMBERLAND STREET CABRAMATTA	Residential	2
R2567	33 THE DEN ROAD MOORAL CREEK	Residential	2
R2567	33 THE DEN ROAD MOORAL CREEK	Residential	2
R2568	104 CUMBERLAND STREET CABRAMATTA	Residential	2
R2570	114 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2570	114 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2571	79 CUMBERLAND STREET CABRAMATTA	Residential	2
R2571	79 CUMBERLAND STREET CABRAMATTA	Residential	2
R2572	79 CUMBERLAND STREET CABRAMATTA	Residential	2
R2572	79 CUMBERLAND STREET CABRAMATTA	Residential	2
R2573	4 BLAIR PLACE CABRAMATTA	Residential	2
R2575	75 CUMBERLAND STREET CABRAMATTA	Residential	2
R2575	75 CUMBERLAND STREET CABRAMATTA	Residential	2
R2575	75 CUMBERLAND STREET CABRAMATTA	Residential	2
R2575	75 CUMBERLAND STREET CABRAMATTA	Residential	2
R2578	2 BRIDGE STREET CABRAMATTA	Residential	2
R2578	2 BRIDGE STREET CABRAMATTA	Residential	2
R2578	2 BRIDGE STREET CABRAMATTA	Residential	2
R2578	2 BRIDGE STREET CABRAMATTA	Residential	2
R2579	57 CUMBERLAND STREET CABRAMATTA	Residential	2
R2580	102 CUMBERLAND STREET CABRAMATTA	Residential	2
R2581	114 CABRAMATTA ROAD CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2581	114 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2583	100 CUMBERLAND STREET CABRAMATTA	Residential	2
R2586	15A LIVERPOOL STREET CABRAMATTA	Residential	2
R2586	15A LIVERPOOL STREET CABRAMATTA	Residential	2
R2587	5 BLAIR PLACE CABRAMATTA	Residential	2
R2587	5 BLAIR PLACE CABRAMATTA	Residential	2
R2589	20 LIVERPOOL STREET CABRAMATTA	Residential	2
R2590	57 CUMBERLAND STREET CABRAMATTA	Residential	2
R2592	98 CUMBERLAND STREET CABRAMATTA	Residential	2
R2592	98 CUMBERLAND STREET CABRAMATTA	Residential	2
R2594	60 GEORGE STREET GUNNEDAH	Residential	2
R2594	60 GEORGE STREET GUNNEDAH	Residential	2
R2594	60 GEORGE STREET GUNNEDAH	Residential	2
R2595	59 CUMBERLAND STREET CABRAMATTA	Residential	2
R2599	15 LIVERPOOL STREET CABRAMATTA	Residential	2
R2599	15 LIVERPOOL STREET CABRAMATTA	Residential	2
R2601	74 ILUKA AVENUE MALUA BAY	Residential	2
R2601	74 ILUKA AVENUE MALUA BAY	Residential	2
R2603	6 BLAIR PLACE CABRAMATTA	Residential	2
R2603	6 BLAIR PLACE CABRAMATTA	Residential	2
R2607	96 CUMBERLAND STREET CABRAMATTA	Residential	2
R2607	96 CUMBERLAND STREET CABRAMATTA	Residential	2
R2607	96 CUMBERLAND STREET CABRAMATTA	Residential	2
R2609	92 CUMBERLAND STREET CABRAMATTA	Residential	2
R2609	92 CUMBERLAND STREET CABRAMATTA	Residential	2
R2609	92 CUMBERLAND STREET CABRAMATTA	Residential	2
R2611	28 JUNCTION STREET CABRAMATTA	Residential	2
R2612	45 CUMBERLAND STREET CABRAMATTA	Residential	2
R2612	45 CUMBERLAND STREET CABRAMATTA	Residential	2
R2613	112 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2613	112 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2614	22 LIVERPOOL STREET CABRAMATTA	Residential	2
R2615	90 CUMBERLAND STREET CABRAMATTA	Residential	2
R2615	90 CUMBERLAND STREET CABRAMATTA	Residential	2
R2616	53 CUMBERLAND STREET CABRAMATTA	Residential	2
R2618	7 BLAIR PLACE CABRAMATTA	Residential	2
R2618	7 BLAIR PLACE CABRAMATTA	Residential	2
R2619	51 CUMBERLAND STREET CABRAMATTA	Residential	2
R2622	29 JUNCTION STREET CABRAMATTA	Residential	2
R2624	94 CUMBERLAND STREET CABRAMATTA	Residential	2
R2625	112 CUMBERLAND STREET CABRAMATTA	Residential	2
R2625	112 CUMBERLAND STREET CABRAMATTA	Residential	2
R2628	86 CUMBERLAND STREET CABRAMATTA	Residential	2
R2628	86 CUMBERLAND STREET CABRAMATTA	Residential	2
R2629	88 CUMBERLAND STREET CABRAMATTA	Residential	2
R2629	88 CUMBERLAND STREET CABRAMATTA	Residential	2
R2631	84 CUMBERLAND STREET CABRAMATTA	Residential	2
R2631	84 CUMBERLAND STREET CABRAMATTA	Residential	2
R2632	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2632	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2633	8 BLAIR PLACE CABRAMATTA	Residential	2
R2635	29 JUNCTION STREET CABRAMATTA	Residential	2
R2637	26 JUNCTION STREET CABRAMATTA	Residential	2
R2640	29 JUNCTION STREET CABRAMATTA	Residential	2
R2642	82 CUMBERLAND STREET CABRAMATTA	Residential	2
R2643	100A CUMBERLAND STREET CABRAMATTA	Residential	2
R2643	100A CUMBERLAND STREET CABRAMATTA	Residential	2
R2644	24 LIVERPOOL STREET CABRAMATTA	Residential	2
R2646	80 CUMBERLAND STREET CABRAMATTA	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2649	84 CUMBERLAND STREET CABRAMATTA	Residential	2
R2649	84 CUMBERLAND STREET CABRAMATTA	Residential	2
R2650	74 ILUKA AVENUE MALUA BAY	Residential	2
R2650	74 ILUKA AVENUE MALUA BAY	Residential	2
R2652	78 CUMBERLAND STREET CABRAMATTA	Residential	2
R2654	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2654	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2656	76 CUMBERLAND STREET CABRAMATTA	Residential	2
R2660	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2660	48 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R2662	24 JUNCTION STREET CABRAMATTA	Residential	2
R2663	9 BLAIR PLACE CABRAMATTA	Residential	2
R2665	9 HUME HIGHWAY WARWICK FARM	Active recreation	4
R2667	251 CUMBERLAND STREET CABRAMATTA	Residential	2
R2667	251 CUMBERLAND STREET CABRAMATTA	Residential	2
R2670	19 LIVERPOOL STREET CABRAMATTA	Residential	2
R2670	19 LIVERPOOL STREET CABRAMATTA	Residential	2
R2671	10 BLAIR PLACE CABRAMATTA	Residential	2
R2671	10 BLAIR PLACE CABRAMATTA	Residential	2
R2672	27 JUNCTION STREET CABRAMATTA	Residential	2
R2672	27 JUNCTION STREET CABRAMATTA	Residential	2
R2675	70 CUMBERLAND STREET CABRAMATTA	Residential	2
R2678	49 ALBERT STREET CABRAMATTA	Residential	2
R2678	49 ALBERT STREET CABRAMATTA	Residential	2
R2681	20A BOUNDARY LANE CABRAMATTA	Residential	2
R2681	20A BOUNDARY LANE CABRAMATTA	Residential	2
R2682	66 CUMBERLAND STREET CABRAMATTA	Residential	2
R2682	66 CUMBERLAND STREET CABRAMATTA	Residential	2
R2685	66 CUMBERLAND STREET CABRAMATTA	Residential	2
R2685	66 CUMBERLAND STREET CABRAMATTA	Residential	2
R2686	45 ALBERT STREET CABRAMATTA	Residential	2
R2686	45 ALBERT STREET CABRAMATTA	Residential	2
R2687	95 BURRI POINT ROAD GUERILLA BAY	Residential	2
R2687	95 BURRI POINT ROAD GUERILLA BAY	Residential	2
R2687	95 BURRI POINT ROAD GUERILLA BAY	Residential	2
R2689	62 CUMBERLAND STREET CABRAMATTA	Residential	2
R2689	62 CUMBERLAND STREET CABRAMATTA	Residential	2
R2689	62 CUMBERLAND STREET CABRAMATTA	Residential	2
R2691	47 ALBERT STREET CABRAMATTA	Residential	2
R2691	47 ALBERT STREET CABRAMATTA	Residential	2
R2694	3 HUME HIGHWAY WARWICK FARM	Industrial	4
R2696	60 CUMBERLAND STREET CABRAMATTA	Educational institute	2
R2697	84 CUMBERLAND STREET CABRAMATTA	Residential	2
R2698	60 CUMBERLAND STREET CABRAMATTA	Residential	2
R2698	60 CUMBERLAND STREET CABRAMATTA	Residential	2
R2698	60 CUMBERLAND STREET CABRAMATTA	Residential	2
R2699	22 JUNCTION STREET CABRAMATTA	Residential	2
R2699	22 JUNCTION STREET CABRAMATTA	Residential	2
R2700	19 ALBERT STREET CABRAMATTA	Residential	2
R2701	41 ALBERT STREET CABRAMATTA	Residential	2
R2701	41 ALBERT STREET CABRAMATTA	Residential	2
R2702	9 HUME HIGHWAY WARWICK FARM	Active recreation	4
R2703	43 ALBERT STREET CABRAMATTA	Residential	2
R2703	43 ALBERT STREET CABRAMATTA	Residential	2
R2704	39 ALBERT STREET CABRAMATTA	Residential	2
R2704	39 ALBERT STREET CABRAMATTA	Residential	2
R2706	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2706	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2706	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2708	37 ALBERT STREET CABRAMATTA	Residential	2
R2708	37 ALBERT STREET CABRAMATTA	Residential	2
R2711	35 ALBERT STREET CABRAMATTA	Residential	2
R2711	35 ALBERT STREET CABRAMATTA	Residential	2
R2715	27 JUNCTION STREET CABRAMATTA	Residential	2
R2716	33 ALBERT STREET CABRAMATTA	Residential	2
R2716	33 ALBERT STREET CABRAMATTA	Residential	2
R2717	20 BOUNDARY LANE CABRAMATTA	Residential	2
R2717	20 BOUNDARY LANE CABRAMATTA	Residential	2
R2718	31 LIVERPOOL STREET CABRAMATTA	Commercial	2
R2718	31 LIVERPOOL STREET CABRAMATTA	Commercial	2
R2719	23 BOUNDARY LANE CABRAMATTA	Residential	2
R2719	23 BOUNDARY LANE CABRAMATTA	Residential	2
R2719	23 BOUNDARY LANE CABRAMATTA	Residential	2
R2720	82 CUMBERLAND STREET CABRAMATTA	Residential	2
R2723	29 ALBERT STREET CABRAMATTA	Residential	2
R2723	29 ALBERT STREET CABRAMATTA	Residential	2
R2724	60 CUMBERLAND STREET CABRAMATTA	Educational institute	2
R2725	31 ALBERT STREET CABRAMATTA	Residential	2
R2725	31 ALBERT STREET CABRAMATTA	Residential	2
R2726	27 ALBERT STREET CABRAMATTA	Residential	2
R2728	25 ALBERT STREET CABRAMATTA	Residential	2
R2731	17 ALBERT STREET CABRAMATTA	Residential	2
R2734	23 ALBERT STREET CABRAMATTA	Residential	2
R2734	23 ALBERT STREET CABRAMATTA	Residential	2
R2734	23 ALBERT STREET CABRAMATTA	Residential	2
R2735	21 ALBERT STREET CABRAMATTA	Residential	2
R2736	13 ALBERT STREET CABRAMATTA	Residential	2
R2738	21 BOUNDARY LANE CABRAMATTA	Residential	2
R2738	21 BOUNDARY LANE CABRAMATTA	Residential	2
R2740	31 LIVERPOOL STREET CABRAMATTA	Commercial	2
R2740	31 LIVERPOOL STREET CABRAMATTA	Commercial	2
R2742	27 ALBERT STREET CABRAMATTA	Residential	2
R2743	5 ALBERT STREET CABRAMATTA	Residential	2
R2744	21 ALBERT STREET CABRAMATTA	Residential	2
R2745	17 ALBERT STREET CABRAMATTA	Residential	2
R2745	17 ALBERT STREET CABRAMATTA	Residential	2
R2747	19 ALBERT STREET CABRAMATTA	Residential	2
R2747	19 ALBERT STREET CABRAMATTA	Residential	2
R2747	19 ALBERT STREET CABRAMATTA	Residential	2
R2749	1 ALBERT STREET CABRAMATTA	Residential	2
R2751	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2751	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2752	28 LIVERPOOL STREET CABRAMATTA	Residential	2
R2752	28 LIVERPOOL STREET CABRAMATTA	Residential	2
R2754	13 ALBERT STREET CABRAMATTA	Residential	2
R2754	13 ALBERT STREET CABRAMATTA	Residential	2
R2755	9 HUME HIGHWAY WARWICK FARM	Active recreation	4
R2758	15 ALBERT STREET CABRAMATTA	Residential	2
R2760	19 BOUNDARY LANE CABRAMATTA	Residential	2
R2760	19 BOUNDARY LANE CABRAMATTA	Residential	2
R2762	355 HUME HIGHWAY CABRAMATTA	Commercial	2
R2766	19 BOUNDARY LANE CABRAMATTA	Residential	2
R2767	42 ALBERT STREET CABRAMATTA	Residential	2
R2767	42 ALBERT STREET CABRAMATTA	Residential	2
R2768	9 HUME HIGHWAY WARWICK FARM	Active recreation	4
R2771	40 ALBERT STREET CABRAMATTA	Residential	2
R2771	40 ALBERT STREET CABRAMATTA	Residential	2
R2772	9 ALBERT STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2772	9 ALBERT STREET CABRAMATTA	Residential	2
R2773	30 LIVERPOOL STREET CABRAMATTA	Residential	2
R2774	15 ALBERT STREET CABRAMATTA	Residential	2
R2776	38 ALBERT STREET CABRAMATTA	Residential	2
R2778	60 CUMBERLAND STREET CABRAMATTA	Residential	2
R2779	11 ALBERT STREET CABRAMATTA	Residential	2
R2782	7 ALBERT STREET CABRAMATTA	Residential	2
R2782	7 ALBERT STREET CABRAMATTA	Residential	2
R2785	36 ALBERT STREET CABRAMATTA	Residential	2
R2786	3 ALBERT STREET CABRAMATTA	Residential	2
R2786	3 ALBERT STREET CABRAMATTA	Residential	2
R2787	34 ALBERT STREET CABRAMATTA	Residential	2
R2788	5 ALBERT STREET CABRAMATTA	Residential	2
R2788	5 ALBERT STREET CABRAMATTA	Residential	2
R2788	5 ALBERT STREET CABRAMATTA	Residential	2
R2790	32 ALBERT STREET CABRAMATTA	Residential	2
R2791	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2791	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2794	20 JUNCTION STREET CABRAMATTA	Residential	2
R2795	17 BOUNDARY LANE CABRAMATTA	Residential	2
R2795	17 BOUNDARY LANE CABRAMATTA	Residential	2
R2796	32 LIVERPOOL STREET CABRAMATTA	Residential	2
R2796	32 LIVERPOOL STREET CABRAMATTA	Residential	2
R2798	1 ALBERT STREET CABRAMATTA	Residential	2
R2798	1 ALBERT STREET CABRAMATTA	Residential	2
R2800	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2800	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2803	1 ALBERT STREET CABRAMATTA	Residential	2
R2804	28 ALBERT STREET CABRAMATTA	Residential	2
R2804	28 ALBERT STREET CABRAMATTA	Residential	2
R2806	19 LEVUKA STREET CABRAMATTA	Residential	2
R2806	19 LEVUKA STREET CABRAMATTA	Residential	2
R2807	9 LEVUKA STREET CABRAMATTA	Residential	2
R2807	9 LEVUKA STREET CABRAMATTA	Residential	2
R2809	18 JUNCTION STREET CABRAMATTA	Residential	2
R2810	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2810	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2811	24 ALBERT STREET CABRAMATTA	Residential	2
R2812	26 ALBERT STREET CABRAMATTA	Residential	2
R2812	26 ALBERT STREET CABRAMATTA	Residential	2
R2812	26 ALBERT STREET CABRAMATTA	Residential	2
R2814	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2814	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2818	34 LIVERPOOL STREET CABRAMATTA	Residential	2
R2818	34 LIVERPOOL STREET CABRAMATTA	Residential	2
R2822	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2822	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2823	22 ALBERT STREET CABRAMATTA	Residential	2
R2823	22 ALBERT STREET CABRAMATTA	Residential	2
R2824	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2824	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2825	9 NIANGALA STREET COOMA	Residential	2
R2825	9 NIANGALA STREET COOMA	Residential	2
R2827	59 LOVONI STREET CABRAMATTA	Residential	2
R2829	20 ALBERT STREET CABRAMATTA	Residential	2
R2829	20 ALBERT STREET CABRAMATTA	Residential	2
R2830	44 CHURCHILL STREET JAMBEROO	Residential	2
R2830	44 CHURCHILL STREET JAMBEROO	Residential	2
R2830	44 CHURCHILL STREET JAMBEROO	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2831	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2831	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2832	9 NIANGALA STREET COOMA	Educational institute	2
R2832	9 NIANGALA STREET COOMA	Educational institute	2
R2835	18 ALBERT STREET CABRAMATTA	Residential	2
R2837	17 LEVUKA STREET CABRAMATTA	Residential	2
R2837	17 LEVUKA STREET CABRAMATTA	Residential	2
R2841	16 JUNCTION STREET CABRAMATTA	Residential	2
R2842	15 LEVUKA STREET CABRAMATTA	Residential	2
R2842	15 LEVUKA STREET CABRAMATTA	Residential	2
R2843	13 LEVUKA STREET CABRAMATTA	Residential	2
R2843	13 LEVUKA STREET CABRAMATTA	Residential	2
R2844	3 JUNCTION STREET CABRAMATTA	Residential	2
R2845	16 JUNCTION STREET CABRAMATTA	Residential	2
R2848	16 ALBERT STREET CABRAMATTA	Residential	2
R2848	16 ALBERT STREET CABRAMATTA	Residential	2
R2850	34 LIVERPOOL STREET CABRAMATTA	Residential	2
R2851	16 JUNCTION STREET CABRAMATTA	Residential	2
R2851	16 JUNCTION STREET CABRAMATTA	Residential	2
R2854	61B LOVONI STREET CABRAMATTA	Residential	2
R2855	12 ALBERT STREET CABRAMATTA	Residential	2
R2855	12 ALBERT STREET CABRAMATTA	Residential	2
R2855	12 ALBERT STREET CABRAMATTA	Residential	2
R2857	10 ALBERT STREET CABRAMATTA	Residential	2
R2857	10 ALBERT STREET CABRAMATTA	Residential	2
R2862	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2862	72 CABRAMATTA ROAD CABRAMATTA	Educational institute	2
R2863	6A ALBERT STREET CABRAMATTA	Residential	2
R2863	6A ALBERT STREET CABRAMATTA	Residential	2
R2865	34B LIVERPOOL STREET CABRAMATTA	Residential	2
R2865	34B LIVERPOOL STREET CABRAMATTA	Residential	2
R2867	26 ALBERT STREET CABRAMATTA	Residential	2
R2868	25 LOVONI STREET CABRAMATTA	Residential	2
R2868	25 LOVONI STREET CABRAMATTA	Residential	2
R2870	38 CHERRYBROOK ROAD LANSVALE	Active recreation	4
R2871	14 JUNCTION STREET CABRAMATTA	Residential	2
R2873	4 ALBERT STREET CABRAMATTA	Residential	2
R2873	4 ALBERT STREET CABRAMATTA	Residential	2
R2873	4 ALBERT STREET CABRAMATTA	Residential	2
R2878	1 JUNCTION STREET CABRAMATTA	Residential	2
R2878	1 JUNCTION STREET CABRAMATTA	Residential	2
R2880	61 LOVONI STREET CABRAMATTA	Residential	2
R2880	61 LOVONI STREET CABRAMATTA	Residential	2
R2881	22 ALBERT STREET CABRAMATTA	Residential	2
R2882	61 LOVONI STREET CABRAMATTA	Residential	2
R2882	61 LOVONI STREET CABRAMATTA	Residential	2
R2883	16A ALBERT STREET CABRAMATTA	Residential	2
R2883	16A ALBERT STREET CABRAMATTA	Residential	2
R2887	57 LOVONI STREET CABRAMATTA	Residential	2
R2889	34C LIVERPOOL STREET CABRAMATTA	Residential	2
R2889	34C LIVERPOOL STREET CABRAMATTA	Residential	2
R2890	55 LOVONI STREET CABRAMATTA	Residential	2
R2891	4 MUNDAY STREET WARWICK FARM	Active recreation	4
R2891	4 MUNDAY STREET WARWICK FARM	Active recreation	4
R2891	4 MUNDAY STREET WARWICK FARM	Active recreation	4
R2893	24 LEVUKA STREET CABRAMATTA	Residential	2
R2893	24 LEVUKA STREET CABRAMATTA	Residential	2
R2896	22 LEVUKA STREET CABRAMATTA	Residential	2
R2897	53 LOVONI STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2897	53 LOVONI STREET CABRAMATTA	Residential	2
R2899	38 CHERRYBROOK ROAD LANSVALE	Active recreation	4
R2902	20 LEVUKA STREET CABRAMATTA	Residential	2
R2902	20 LEVUKA STREET CABRAMATTA	Residential	2
R2902	20 LEVUKA STREET CABRAMATTA	Residential	2
R2904	71 CHURCHILL STREET JAMBEROO	Residential	2
R2904	71 CHURCHILL STREET JAMBEROO	Residential	2
R2905	51 LOVONI STREET CABRAMATTA	Residential	2
R2905	51 LOVONI STREET CABRAMATTA	Residential	2
R2906	38 CHERRYBROOK ROAD LANSVALE	Active recreation	4
R2907	4 ALBERT STREET CABRAMATTA	Residential	2
R2909	51 LOVONI STREET CABRAMATTA	Residential	2
R2909	51 LOVONI STREET CABRAMATTA	Residential	2
R2910	3 COOINDA PLACE KIAMA	Residential	2
R2910	3 COOINDA PLACE KIAMA	Residential	2
R2913	49 LOVONI STREET CABRAMATTA	Residential	2
R2913	49 LOVONI STREET CABRAMATTA	Residential	2
R2915	14 LEVUKA STREET CABRAMATTA	Residential	2
R2915	14 LEVUKA STREET CABRAMATTA	Residential	2
R2916	49 LOVONI STREET CABRAMATTA	Residential	2
R2916	49 LOVONI STREET CABRAMATTA	Residential	2
R2919	45 LOVONI STREET CABRAMATTA	Residential	2
R2919	45 LOVONI STREET CABRAMATTA	Residential	2
R2920	10 LEVUKA STREET CABRAMATTA	Residential	2
R2920	10 LEVUKA STREET CABRAMATTA	Residential	2
R2921	47 LOVONI STREET CABRAMATTA	Residential	2
R2921	47 LOVONI STREET CABRAMATTA	Residential	2
R2922	15 BOUNDARY LANE CABRAMATTA	Residential	2
R2923	8 LEVUKA STREET CABRAMATTA	Residential	2
R2925	43 LOVONI STREET CABRAMATTA	Residential	2
R2928	6 LEVUKA STREET CABRAMATTA	Residential	2
R2931	39 LOVONI STREET CABRAMATTA	Residential	2
R2931	39 LOVONI STREET CABRAMATTA	Residential	2
R2932	4 LEVUKA STREET CABRAMATTA	Residential	2
R2932	4 LEVUKA STREET CABRAMATTA	Residential	2
R2933	70 LOVONI STREET CABRAMATTA	Residential	2
R2934	41 LOVONI STREET CABRAMATTA	Residential	2
R2936	7 CLARKE STREET KIAMA DOWNS	Residential	2
R2936	7 CLARKE STREET KIAMA DOWNS	Residential	2
R2937	70 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2937	70 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2938	2 LEVUKA STREET CABRAMATTA	Residential	2
R2938	2 LEVUKA STREET CABRAMATTA	Residential	2
R2939	2B LEVUKA STREET CABRAMATTA	Residential	2
R2939	2B LEVUKA STREET CABRAMATTA	Residential	2
R2940	37 LOVONI STREET CABRAMATTA	Residential	2
R2942	35 LOVONI STREET CABRAMATTA	Residential	2
R2942	35 LOVONI STREET CABRAMATTA	Residential	2
R2943	21 LOVONI STREET CABRAMATTA	Residential	2
R2945	68 LOVONI STREET CABRAMATTA	Residential	2
R2948	70 LOVONI STREET CABRAMATTA	Residential	2
R2950	19 LOVONI STREET CABRAMATTA	Residential	2
R2951	33 LOVONI STREET CABRAMATTA	Residential	2
R2951	33 LOVONI STREET CABRAMATTA	Residential	2
R2954	66 LOVONI STREET CABRAMATTA	Residential	2
R2955	64 LOVONI STREET CABRAMATTA	Residential	2
R2956	4 LEVUKA STREET CABRAMATTA	Residential	2
R2957	62 LOVONI STREET CABRAMATTA	Residential	2
R2958	31 LOVONI STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R2959	60 LOVONI STREET CABRAMATTA	Residential	2
R2960	6 LEVUKA STREET CABRAMATTA	Residential	2
R2961	13 LOVONI STREET CABRAMATTA	Residential	2
R2961	13 LOVONI STREET CABRAMATTA	Residential	2
R2963	8 JUNCTION STREET CABRAMATTA	Residential	2
R2964	68 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2967	4 MUNDAY STREET WARWICK FARM	Active recreation	4
R2968	23 LOVONI STREET CABRAMATTA	Residential	2
R2971	19 LOVONI STREET CABRAMATTA	Residential	2
R2971	19 LOVONI STREET CABRAMATTA	Residential	2
R2973	15 LOVONI STREET CABRAMATTA	Residential	2
R2974	21 LOVONI STREET CABRAMATTA	Residential	2
R2975	343 HUME HIGHWAY CABRAMATTA	Residential	2
R2976	5 LOVONI STREET CABRAMATTA	Residential	2
R2977	4 MUNDAY STREET WARWICK FARM	Active recreation	4
R2978	362 HUME HIGHWAY LANSVALE	Active recreation	2
R2979	56 LOVONI STREET CABRAMATTA	Residential	2
R2980	7 LOVONI STREET CABRAMATTA	Residential	2
R2982	54 LOVONI STREET CABRAMATTA	Residential	2
R2982	54 LOVONI STREET CABRAMATTA	Residential	2
R2984	66 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2984	66 CABRAMATTA ROAD CABRAMATTA	Residential	2
R2985	6 JUNCTION STREET CABRAMATTA	Residential	2
R2989	17 LOVONI STREET CABRAMATTA	Residential	2
R2991	341 HUME HIGHWAY CABRAMATTA	Residential	2
R2992	52 LOVONI STREET CABRAMATTA	Residential	2
R2992	52 LOVONI STREET CABRAMATTA	Residential	2
R2993	1 LOVONI STREET CABRAMATTA	Residential	2
R2993	1 LOVONI STREET CABRAMATTA	Residential	2
R2994	15 LOVONI STREET CABRAMATTA	Residential	2
R2995	58 LOVONI STREET CABRAMATTA	Residential	2
R2996	50 LOVONI STREET CABRAMATTA	Residential	2
R2996	50 LOVONI STREET CABRAMATTA	Residential	2
R2997	339 HUME HIGHWAY CABRAMATTA	Residential	2
R2999	13 LOVONI STREET CABRAMATTA	Residential	2
R2999	13 LOVONI STREET CABRAMATTA	Residential	2
R3001	7 LOVONI STREET CABRAMATTA	Residential	2
R3001	7 LOVONI STREET CABRAMATTA	Residential	2
R3002	11 LOVONI STREET CABRAMATTA	Residential	2
R3002	11 LOVONI STREET CABRAMATTA	Residential	2
R3003	46 LOVONI STREET CABRAMATTA	Residential	2
R3003	46 LOVONI STREET CABRAMATTA	Residential	2
R3004	9 LOVONI STREET CABRAMATTA	Residential	2
R3004	9 LOVONI STREET CABRAMATTA	Residential	2
R3005	44 LOVONI STREET CABRAMATTA	Residential	2
R3005	44 LOVONI STREET CABRAMATTA	Residential	2
R3006	42 LOVONI STREET CABRAMATTA	Residential	2
R3006	42 LOVONI STREET CABRAMATTA	Residential	2
R3007	335 HUME HIGHWAY CABRAMATTA	Residential	2
R3008	64 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3008	64 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3009	40 LOVONI STREET CABRAMATTA	Residential	2
R3010	4 JUNCTION STREET CABRAMATTA	Residential	2
R3010	4 JUNCTION STREET CABRAMATTA	Residential	2
R3014	362 HUME HIGHWAY LANSVALE	Active recreation	2
R3016	38 LOVONI STREET CABRAMATTA	Residential	2
R3016	38 LOVONI STREET CABRAMATTA	Residential	2
R3017	36 LOVONI STREET CABRAMATTA	Residential	2
R3017	36 LOVONI STREET CABRAMATTA	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3019	3 LOVONI STREET CABRAMATTA	Residential	2
R3020	64 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3021	5 LOVONI STREET CABRAMATTA	Residential	2
R3021	5 LOVONI STREET CABRAMATTA	Residential	2
R3021	5 LOVONI STREET CABRAMATTA	Residential	2
R3023	34 LOVONI STREET CABRAMATTA	Residential	2
R3023	34 LOVONI STREET CABRAMATTA	Residential	2
R3024	1 LOVONI STREET CABRAMATTA	Residential	2
R3025	29 PROUT STREET CABRAMATTA	Residential	2
R3027	337 HUME HIGHWAY CABRAMATTA	Residential	2
R3028	350 HUME HIGHWAY LANSVALE	Residential	2
R3030	32 LOVONI STREET CABRAMATTA	Residential	2
R3033	331 HUME HIGHWAY CABRAMATTA	Residential	2
R3034	30 LOVONI STREET CABRAMATTA	Residential	2
R3034	30 LOVONI STREET CABRAMATTA	Residential	2
R3038	27 PROUT STREET CABRAMATTA	Residential	2
R3040	26 LOVONI STREET CABRAMATTA	Residential	2
R3040	26 LOVONI STREET CABRAMATTA	Residential	2
R3041	335 HUME HIGHWAY CABRAMATTA	Residential	2
R3042	28 LOVONI STREET CABRAMATTA	Residential	2
R3042	28 LOVONI STREET CABRAMATTA	Residential	2
R3043	1 LOVONI STREET CABRAMATTA	Residential	2
R3043	1 LOVONI STREET CABRAMATTA	Residential	2
R3046	348 HUME HIGHWAY LANSVALE	Residential	2
R3047	29 PROUT STREET CABRAMATTA	Residential	2
R3047	29 PROUT STREET CABRAMATTA	Residential	2
R3048	24 LOVONI STREET CABRAMATTA	Residential	2
R3049	62 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3049	62 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3049	62 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3050	25 PROUT STREET CABRAMATTA	Residential	2
R3051	22 LOVONI STREET CABRAMATTA	Residential	2
R3051	22 LOVONI STREET CABRAMATTA	Residential	2
R3053	346 HUME HIGHWAY LANSVALE	Residential	2
R3054	333 HUME HIGHWAY CABRAMATTA	Residential	2
R3054	333 HUME HIGHWAY CABRAMATTA	Residential	2
R3055	20 LOVONI STREET CABRAMATTA	Residential	2
R3055	20 LOVONI STREET CABRAMATTA	Residential	2
R3058	38 LOVONI STREET CABRAMATTA	Residential	2
R3058	38 LOVONI STREET CABRAMATTA	Residential	2
R3060	27 PROUT STREET CABRAMATTA	Residential	2
R3060	27 PROUT STREET CABRAMATTA	Residential	2
R3061	18 LOVONI STREET CABRAMATTA	Residential	2
R3061	18 LOVONI STREET CABRAMATTA	Residential	2
R3064	344 HUME HIGHWAY LANSVALE	Residential	2
R3067	16 LOVONI STREET CABRAMATTA	Residential	2
R3070	331 HUME HIGHWAY CABRAMATTA	Residential	2
R3071	125 KINGHORNE STREET NOWRA	Residential	2
R3071	125 KINGHORNE STREET NOWRA	Residential	2
R3072	22 LOVONI STREET CABRAMATTA	Residential	2
R3073	36 LOVONI STREET CABRAMATTA	Residential	2
R3074	36 LIVERPOOL STREET LANSVALE	Residential	2
R3076	342 HUME HIGHWAY LANSVALE	Residential	2
R3077	25 PROUT STREET CABRAMATTA	Residential	2
R3077	25 PROUT STREET CABRAMATTA	Residential	2
R3077	25 PROUT STREET CABRAMATTA	Residential	2
R3078	12 LOVONI STREET CABRAMATTA	Residential	2
R3078	12 LOVONI STREET CABRAMATTA	Residential	2
R3081	14 LOVONI STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3081	14 LOVONI STREET CABRAMATTA	Residential	2
R3083	25 PROUT STREET CABRAMATTA	Residential	2
R3083	25 PROUT STREET CABRAMATTA	Residential	2
R3086	10 LOVONI STREET CABRAMATTA	Residential	2
R3086	10 LOVONI STREET CABRAMATTA	Residential	2
R3086	10 LOVONI STREET CABRAMATTA	Residential	2
R3089	23 PROUT STREET CABRAMATTA	Residential	2
R3091	8 LOVONI STREET CABRAMATTA	Residential	2
R3091	8 LOVONI STREET CABRAMATTA	Residential	2
R3092	340 HUME HIGHWAY LANSVALE	Residential	2
R3096	20 LOVONI STREET CABRAMATTA	Residential	2
R3098	6 LOVONI STREET CABRAMATTA	Residential	2
R3098	6 LOVONI STREET CABRAMATTA	Residential	2
R3099	22 LOVONI STREET CABRAMATTA	Residential	2
R3101	4 LOVONI STREET CABRAMATTA	Residential	2
R3101	4 LOVONI STREET CABRAMATTA	Residential	2
R3102	38 LIVERPOOL STREET LANSVALE	Residential	2
R3102	38 LIVERPOOL STREET LANSVALE	Residential	2
R3103	2B LOVONI STREET CABRAMATTA	Residential	2
R3103	2B LOVONI STREET CABRAMATTA	Residential	2
R3105	338 HUME HIGHWAY LANSVALE	Residential	2
R3107	2B CABRAMATTA ROAD CABRAMATTA	Residential	2
R3107	2B CABRAMATTA ROAD CABRAMATTA	Residential	2
R3110	7 PROUT STREET CABRAMATTA	Residential	2
R3111	15 PROUT STREET CABRAMATTA	Residential	2
R3111	15 PROUT STREET CABRAMATTA	Residential	2
R3113	65 ATTUNGA AVENUE KIAMA HEIGHTS	Residential	2
R3117	1B LOVONI STREET CABRAMATTA	Residential	2
R3117	1B LOVONI STREET CABRAMATTA	Residential	2
R3117	1B LOVONI STREET CABRAMATTA	Residential	2
R3118	20 LOVONI STREET CABRAMATTA	Residential	2
R3119	17 PROUT STREET CABRAMATTA	Residential	2
R3119	17 PROUT STREET CABRAMATTA	Residential	2
R3120	21 PROUT STREET CABRAMATTA	Residential	2
R3120	21 PROUT STREET CABRAMATTA	Residential	2
R3121	336 HUME HIGHWAY LANSVALE	Residential	2
R3122	21 PROUT STREET CABRAMATTA	Residential	2
R3122	21 PROUT STREET CABRAMATTA	Residential	2
R3122	21 PROUT STREET CABRAMATTA	Residential	2
R3123	12 BOUNDARY LANE CABRAMATTA	Residential	2
R3125	7 PROUT STREET CABRAMATTA	Residential	2
R3126	27 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3126	27 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3128	334 HUME HIGHWAY LANSVALE	Residential	2
R3132	13 PROUT STREET CABRAMATTA	Residential	2
R3132	13 PROUT STREET CABRAMATTA	Residential	2
R3137	11 PROUT STREET CABRAMATTA	Residential	2
R3137	11 PROUT STREET CABRAMATTA	Residential	2
R3139	58 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3140	8 LOVONI STREET CABRAMATTA	Residential	2
R3142	19 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3143	11 LOLOMA STREET CABRAMATTA	Residential	2
R3144	5 PROUT STREET CABRAMATTA	Residential	2
R3144	5 PROUT STREET CABRAMATTA	Residential	2
R3148	332 HUME HIGHWAY LANSVALE	Residential	2
R3149	3 PROUT STREET CABRAMATTA	Residential	2
R3153	9 PROUT STREET CABRAMATTA	Residential	2
R3153	9 PROUT STREET CABRAMATTA	Residential	2
R3155	15 LOLOMA STREET CABRAMATTA	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3156	2B LOVONI STREET CABRAMATTA	Residential	2
R3159	21 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3160	56 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3160	56 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3161	19 LOLOMA STREET CABRAMATTA	Residential	2
R3161	19 LOLOMA STREET CABRAMATTA	Residential	2
R3161	19 LOLOMA STREET CABRAMATTA	Residential	2
R3162	11 LOLOMA STREET CABRAMATTA	Residential	2
R3164	330 HUME HIGHWAY LANSVALE	Residential	2
R3166	17 LOLOMA STREET CABRAMATTA	Residential	2
R3166	17 LOLOMA STREET CABRAMATTA	Residential	2
R3169	1 LOLOMA STREET CABRAMATTA	Residential	2
R3176	56 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3176	56 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3177	1 PROUT STREET CABRAMATTA	Residential	2
R3178	15 LOLOMA STREET CABRAMATTA	Residential	2
R3178	15 LOLOMA STREET CABRAMATTA	Residential	2
R3180	19 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3180	19 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3181	13 LOLOMA STREET CABRAMATTA	Residential	2
R3181	13 LOLOMA STREET CABRAMATTA	Residential	2
R3186	1 LOLOMA STREET CABRAMATTA	Residential	2
R3186	1 LOLOMA STREET CABRAMATTA	Residential	2
R3188	17 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3188	17 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3191	9 LOLOMA STREET CABRAMATTA	Residential	2
R3191	9 LOLOMA STREET CABRAMATTA	Residential	2
R3193	2B JUNCTION STREET LANSVALE	Residential	2
R3194	15 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3196	7 LOLOMA STREET CABRAMATTA	Residential	2
R3198	26 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3199	54 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3202	5 LOLOMA STREET CABRAMATTA	Residential	2
R3202	5 LOLOMA STREET CABRAMATTA	Residential	2
R3203	3 LOLOMA STREET CABRAMATTA	Residential	2
R3203	3 LOLOMA STREET CABRAMATTA	Residential	2
R3204	328 HUME HIGHWAY LANSVALE	Residential	2
R3204	328 HUME HIGHWAY LANSVALE	Residential	2
R3206	24 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3206	24 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3209	13 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3210	329 HUME HIGHWAY CABRAMATTA	Residential	2
R3211	1 LOLOMA STREET CABRAMATTA	Residential	2
R3211	1 LOLOMA STREET CABRAMATTA	Residential	2
R3212	1 LOLOMA STREET CABRAMATTA	Residential	2
R3212	1 LOLOMA STREET CABRAMATTA	Residential	2
R3213	16 PROUT STREET CABRAMATTA	Residential	2
R3213	16 PROUT STREET CABRAMATTA	Residential	2
R3216	2 JUNCTION STREET LANSVALE	Residential	2
R3218	14 PROUT STREET CABRAMATTA	Residential	2
R3220	22 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3220	22 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3221	52 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3221	52 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3222	52 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3223	12 PROUT STREET CABRAMATTA	Residential	2
R3226	52 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3228	20 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3230	7 OLD LIVERPOOL ROAD LANSVALE	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3231	8 PROUT STREET CABRAMATTA	Residential	2
R3231	8 PROUT STREET CABRAMATTA	Residential	2
R3234	11 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3235	10 PROUT STREET CABRAMATTA	Residential	2
R3236	20 LOLOMA STREET CABRAMATTA	Residential	2
R3236	20 LOLOMA STREET CABRAMATTA	Residential	2
R3238	6 PROUT STREET CABRAMATTA	Residential	2
R3238	6 PROUT STREET CABRAMATTA	Residential	2
R3239	18 LOLOMA STREET CABRAMATTA	Residential	2
R3239	18 LOLOMA STREET CABRAMATTA	Residential	2
R3240	9 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3241	4 PROUT STREET CABRAMATTA	Residential	2
R3241	4 PROUT STREET CABRAMATTA	Residential	2
R3243	18 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3244	2 PROUT STREET CABRAMATTA	Residential	2
R3244	2 PROUT STREET CABRAMATTA	Residential	2
R3247	16 LOLOMA STREET CABRAMATTA	Residential	2
R3248	11 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3250	14 LOLOMA STREET CABRAMATTA	Residential	2
R3250	14 LOLOMA STREET CABRAMATTA	Residential	2
R3253	12 LOLOMA STREET CABRAMATTA	Residential	2
R3253	12 LOLOMA STREET CABRAMATTA	Residential	2
R3254	16 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3257	327 HUME HIGHWAY CABRAMATTA	Industrial	2
R3257	327 HUME HIGHWAY CABRAMATTA	Industrial	2
R3258	10 LOLOMA STREET CABRAMATTA	Residential	2
R3258	10 LOLOMA STREET CABRAMATTA	Residential	2
R3262	8 LOLOMA STREET CABRAMATTA	Residential	2
R3263	11 BOUNDARY LANE CABRAMATTA	Residential	2
R3263	11 BOUNDARY LANE CABRAMATTA	Residential	2
R3264	6 LOLOMA STREET CABRAMATTA	Residential	2
R3264	6 LOLOMA STREET CABRAMATTA	Residential	2
R3266	14 OLD LIVERPOOL ROAD LANSVALE	Residential	2
R3268	2 PROUT STREET CABRAMATTA	Residential	2
R3272	4 LOLOMA STREET CABRAMATTA	Residential	2
R3272	4 LOLOMA STREET CABRAMATTA	Residential	2
R3275	2 LOLOMA STREET CABRAMATTA	Residential	2
R3275	2 LOLOMA STREET CABRAMATTA	Residential	2
R3277	2 LOLOMA STREET CABRAMATTA	Residential	2
R3281	50 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3281	50 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3283	10 BOUNDARY LANE CABRAMATTA	Residential	2
R3284	35 CHERRYBROOK ROAD LANSVALE	Residential	2
R3286	6 PROUT STREET CABRAMATTA	Residential	2
R3288	12 LOLOMA STREET CABRAMATTA	Residential	2
R3289	21 CHERRYBROOK ROAD LANSVALE	Residential	2
R3298	33 CHERRYBROOK ROAD LANSVALE	Residential	2
R3298	33 CHERRYBROOK ROAD LANSVALE	Residential	2
R3300	31 CHERRYBROOK ROAD LANSVALE	Residential	2
R3300	31 CHERRYBROOK ROAD LANSVALE	Residential	2
R3301	8 BOUNDARY LANE CABRAMATTA	Residential	2
R3301	8 BOUNDARY LANE CABRAMATTA	Residential	2
R3302	37 CHERRYBROOK ROAD LANSVALE	Residential	2
R3303	29 CHERRYBROOK ROAD LANSVALE	Residential	2
R3303	29 CHERRYBROOK ROAD LANSVALE	Residential	2
R3304	13 CHERRYBROOK ROAD LANSVALE	Residential	2
R3307	21 CHERRYBROOK ROAD LANSVALE	Residential	2
R3307	21 CHERRYBROOK ROAD LANSVALE	Residential	2
R3308	27 CHERRYBROOK ROAD LANSVALE	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3309	46 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3309	46 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3310	11 CHERRYBROOK ROAD LANSVALE	Residential	2
R3311	23 CHERRYBROOK ROAD LANSVALE	Residential	2
R3312	15 LASA STREET CABRAMATTA	Residential	2
R3312	15 LASA STREET CABRAMATTA	Residential	2
R3312	15 LASA STREET CABRAMATTA	Residential	2
R3314	25 CHERRYBROOK ROAD LANSVALE	Residential	2
R3314	25 CHERRYBROOK ROAD LANSVALE	Residential	2
R3317	39 CHERRYBROOK ROAD LANSVALE	Residential	2
R3318	17 CHERRYBROOK ROAD LANSVALE	Residential	2
R3319	19 CHERRYBROOK ROAD LANSVALE	Residential	2
R3322	13 LASA STREET CABRAMATTA	Residential	2
R3322	13 LASA STREET CABRAMATTA	Residential	2
R3325	6 BOUNDARY LANE CABRAMATTA	Residential	2
R3326	15 CHERRYBROOK ROAD LANSVALE	Residential	2
R3326	15 CHERRYBROOK ROAD LANSVALE	Residential	2
R3327	9 CHERRYBROOK ROAD LANSVALE	Residential	2
R3331	41 CHERRYBROOK ROAD LANSVALE	Residential	2
R3331	41 CHERRYBROOK ROAD LANSVALE	Residential	2
R3334	9 LASA STREET CABRAMATTA	Residential	2
R3334	9 LASA STREET CABRAMATTA	Residential	2
R3335	44 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3335	44 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3336	11 LASA STREET CABRAMATTA	Residential	2
R3336	11 LASA STREET CABRAMATTA	Residential	2
R3339	323 HUME HIGHWAY CABRAMATTA	Industrial	2
R3339	323 HUME HIGHWAY CABRAMATTA	Industrial	2
R3340	7 LASA STREET CABRAMATTA	Residential	2
R3340	7 LASA STREET CABRAMATTA	Residential	2
R3344	5 LASA STREET CABRAMATTA	Residential	2
R3346	4 BOUNDARY LANE CABRAMATTA	Residential	2
R3346	4 BOUNDARY LANE CABRAMATTA	Residential	2
R3347	7 CHERRYBROOK ROAD LANSVALE	Residential	2
R3348	1 LASA STREET CABRAMATTA	Residential	2
R3348	1 LASA STREET CABRAMATTA	Residential	2
R3349	3 LASA STREET CABRAMATTA	Residential	2
R3350	22 CHERRYBROOK ROAD LANSVALE	Residential	2
R3350	22 CHERRYBROOK ROAD LANSVALE	Residential	2
R3351	1 LASA STREET CABRAMATTA	Residential	2
R3352	20 CHERRYBROOK ROAD LANSVALE	Residential	2
R3352	20 CHERRYBROOK ROAD LANSVALE	Residential	2
R3356	42 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3356	42 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3358	16 CHERRYBROOK ROAD LANSVALE	Residential	2
R3359	18 CHERRYBROOK ROAD LANSVALE	Residential	2
R3360	14 CHERRYBROOK ROAD LANSVALE	Residential	2
R3364	12 CHERRYBROOK ROAD LANSVALE	Residential	2
R3366	304 HUME HIGHWAY LANSVALE	Residential	2
R3368	5 CHERRYBROOK ROAD LANSVALE	Residential	2
R3373	10 CHERRYBROOK ROAD LANSVALE	Residential	2
R3374	17 HAVEN VALLEY WAY LANSVALE	Residential	2
R3378	873 EAST SEAHAM ROAD EAST SEAHAM	Residential	2
R3378	873 EAST SEAHAM ROAD EAST SEAHAM	Residential	2
R3381	16 LASA STREET CABRAMATTA	Residential	2
R3382	3 CHERRYBROOK ROAD LANSVALE	Residential	2
R3384	15 HAVEN VALLEY WAY LANSVALE	Residential	2
R3384	15 HAVEN VALLEY WAY LANSVALE	Residential	2
R3387	24 CHERRYBROOK ROAD LANSVALE	Residential	2

Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3387	24 CHERRYBROOK ROAD LANSVALE	Residential	2
R3388	14 LASA STREET CABRAMATTA	Residential	2
R3388	14 LASA STREET CABRAMATTA	Residential	2
R3390	8 CHERRYBROOK ROAD LANSVALE	Residential	2
R3392	12 LASA STREET CABRAMATTA	Residential	2
R3392	12 LASA STREET CABRAMATTA	Residential	2
R3396	13 HAVEN VALLEY WAY LANSVALE	Residential	2
R3396	13 HAVEN VALLEY WAY LANSVALE	Residential	2
R3397	1 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3398	10 LASA STREET CABRAMATTA	Residential	2
R3398	10 LASA STREET CABRAMATTA	Residential	2
R3399	11 HAVEN VALLEY WAY LANSVALE	Residential	2
R3399	11 HAVEN VALLEY WAY LANSVALE	Residential	2
R3400	26 CHERRYBROOK ROAD LANSVALE	Residential	2
R3403	8 LASA STREET CABRAMATTA	Residential	2
R3403	8 LASA STREET CABRAMATTA	Residential	2
R3405	1 CHERRYBROOK ROAD LANSVALE	Residential	2
R3406	6 LASA STREET CABRAMATTA	Residential	2
R3406	6 LASA STREET CABRAMATTA	Residential	2
R3407	6 CHERRYBROOK ROAD LANSVALE	Residential	2
R3411	2 LASA STREET CABRAMATTA	Residential	2
R3411	2 LASA STREET CABRAMATTA	Residential	2
R3412	9 HAVEN VALLEY WAY LANSVALE	Residential	2
R3412	9 HAVEN VALLEY WAY LANSVALE	Residential	2
R3413	321 HUME HIGHWAY CABRAMATTA	Industrial	2
R3414	4 LASA STREET CABRAMATTA	Residential	2
R3414	4 LASA STREET CABRAMATTA	Residential	2
R3416	7 HAVEN VALLEY WAY LANSVALE	Residential	2
R3421	20 HAVEN VALLEY WAY LANSVALE	Residential	2
R3421	20 HAVEN VALLEY WAY LANSVALE	Residential	2
R3422	3 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3426	9 BOUNDARY LANE CABRAMATTA	Residential	2
R3426	9 BOUNDARY LANE CABRAMATTA	Residential	2
R3428	4 CHERRYBROOK ROAD LANSVALE	Residential	2
R3430	28 CHERRYBROOK ROAD LANSVALE	Residential	2
R3430	28 CHERRYBROOK ROAD LANSVALE	Residential	2
R3432	18 HAVEN VALLEY WAY LANSVALE	Residential	2
R3433	5 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3436	5 HAVEN VALLEY WAY LANSVALE	Residential	2
R3436	5 HAVEN VALLEY WAY LANSVALE	Residential	2
R3438	16 HAVEN VALLEY WAY LANSVALE	Residential	2
R3440	30 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3445	14 HAVEN VALLEY WAY LANSVALE	Residential	2
R3446	28 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3448	7 BOUNDARY LANE CABRAMATTA	Residential	2
R3448	7 BOUNDARY LANE CABRAMATTA	Residential	2
R3450	2 CHERRYBROOK ROAD LANSVALE	Residential	2
R3451	28 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3452	12 HAVEN VALLEY WAY LANSVALE	Residential	2
R3454	30 CHERRYBROOK ROAD LANSVALE	Residential	2
R3457	3 HAVEN VALLEY WAY LANSVALE	Residential	2
R3459	10 HAVEN VALLEY WAY LANSVALE	Residential	2
R3466	8 HAVEN VALLEY WAY LANSVALE	Residential	2
R3466	8 HAVEN VALLEY WAY LANSVALE	Residential	2
R3467	5 BOUNDARY LANE CABRAMATTA	Residential	2
R3467	5 BOUNDARY LANE CABRAMATTA	Residential	2
R3468	7 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3468	7 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3469	15 ARALUEN ROAD LANSVALE	Residential	2



Noise sensitive receivers

Receiver	Address	Receiver type	NCA
R3470	24 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3470	24 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3471	1 HAVEN VALLEY WAY LANSVALE	Residential	2
R3471	1 HAVEN VALLEY WAY LANSVALE	Residential	2
R3475	32 CHERRYBROOK ROAD LANSVALE	Residential	2
R3476	22 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3478	6 HAVEN VALLEY WAY LANSVALE	Residential	2
R3481	11 ARALUEN ROAD LANSVALE	Residential	2
R3482	13 ARALUEN ROAD LANSVALE	Residential	2
R3482	13 ARALUEN ROAD LANSVALE	Residential	2
R3483	9 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3484	9 ARALUEN ROAD LANSVALE	Residential	2
R3486	4 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3487	315 HUME HIGHWAY CABRAMATTA	Industrial	2
R3488	22 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3494	4 HAVEN VALLEY WAY LANSVALE	Residential	2
R3494	4 HAVEN VALLEY WAY LANSVALE	Residential	2
R3496	6 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3496	6 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3498	11 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3499	3 BOUNDARY LANE CABRAMATTA	Residential	2
R3499	3 BOUNDARY LANE CABRAMATTA	Residential	2
R3503	7 ARALUEN ROAD LANSVALE	Residential	2
R3503	7 ARALUEN ROAD LANSVALE	Residential	2
R3507	5 ARALUEN ROAD LANSVALE	Residential	2
R3507	5 ARALUEN ROAD LANSVALE	Residential	2
R3509	20 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3509	20 CABRAMATTA ROAD CABRAMATTA	Residential	2
R3513	2 HAVEN VALLEY WAY LANSVALE	Residential	2
R3517	3 ARALUEN ROAD LANSVALE	Residential	2
R3520	13 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3523	4 HARROW AVENUE LANSVALE	Residential	2
R3527	8 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3532	1 ARALUEN ROAD LANSVALE	Residential	2
R3532	1 ARALUEN ROAD LANSVALE	Residential	2
R3535	6 HARROW AVENUE LANSVALE	Residential	2
R3537	15 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3541	10 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3541	10 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3548	16 CABRAMATTA ROAD CABRAMATTA	Industrial	2
R3550	3 HARROW AVENUE LANSVALE	Residential	2
R3552	17 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3556	12 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3556	12 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3557	8 HARROW AVENUE LANSVALE	Residential	2
R3561	14 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3561	14 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3567	10 HARROW AVENUE LANSVALE	Residential	2
R3567	10 HARROW AVENUE LANSVALE	Residential	2
R3569	5 HARROW AVENUE LANSVALE	Residential	2
R3570	16 HUNTINGDALE AVENUE LANSVALE	Residential	2
R3577	7 HARROW AVENUE LANSVALE	Residential	2
R3578	12 HARROW AVENUE LANSVALE	Residential	2
R3579	2 FOREST GROVE LANSVALE	Residential	2
R3579	2 FOREST GROVE LANSVALE	Residential	2
R3586	9 HARROW AVENUE LANSVALE	Residential	2
R3589	4 FOREST GROVE LANSVALE	Residential	2
R3595	11 HARROW AVENUE LANSVALE	Residential	2
R3595	11 HARROW AVENUE LANSVALE	Residential	2

## Appendix C: Detailed Operational Noise Predictions ( $L_{Aeq}$ )

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0010	GF	S	Residential	65	60	39	39	39	41	38	39	41	41	1.4	0.1	No
R0011	GF	N	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R0012	GF	N	Residential	65	60	39	39	39	41	38	39	40	41	1.6	0.4	No
R0013	GF	S	Residential	65	60	38	38	38	40	37	38	40	40	1.4	0.2	No
R0014	GF	N	Residential	65	60	40	41	41	42	39	40	42	42	1.8	0.5	No
R0015	GF	S	Residential	65	60	38	38	38	40	38	38	40	40	1.5	0.1	No
R0017	GF	NE	Residential	65	60	40	41	41	42	39	40	42	42	1.7	0.4	No
R0018	GF	S	Residential	65	60	39	40	40	41	39	39	41	41	1.3	0	No
R0019	GF	N	Residential	65	60	39	40	40	42	39	40	41	42	1.8	0.6	No
R0020	GF	NE	Residential	65	60	38	39	39	40	37	38	40	40	1.6	0.4	No
R0021	GF	N	Residential	65	60	38	39	38	40	37	38	40	40	2	0.7	No
R0022	GF	E	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R0023	GF	E	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R0024	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.3	No
R0025	GF	S	Residential	65	60	39	39	39	41	38	39	41	41	1.3	0.1	No
R0027	GF	E	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.5	No
R0028	GF	NE	Residential	65	60	39	40	40	41	39	39	41	41	1.4	0	No
R0029	GF	E	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.4	No
R0030	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.3	No
R0031	GF	S	Residential	65	60	40	40	40	42	40	40	42	42	1.2	-0.1	No
R0032	GF	E	Residential	65	60	42	43	42	44	41	42	44	44	1.6	0.3	No
R0033	GF	NE	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.4	No
R0034	GF	N	Residential	65	60	39	40	40	41	38	39	41	41	1.6	0.4	No
R0035	GF	SE	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.5	No
R0036	GF	E	Residential	65	60	41	41	41	43	40	41	43	43	1.7	0.3	No
R0037	GF	E	Residential	65	60	40	40	40	42	39	40	41	42	1.6	0.4	No
R0038	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.4	No
R0039	GF	SE	Residential	65	60	38	39	38	40	37	38	40	40	1.6	0.3	No
R0039	F 1	SE	Residential	65	60	41	42	41	43	40	41	42	43	2	0.6	No
R0040	GF	E	Residential	65	60	42	42	42	43	41	42	43	43	1.4	0.2	No
R0041	GF	SE	Residential	65	60	40	40	40	41	39	40	41	41	1.4	0.1	No
R0043	GF	N	Residential	65	60	41	42	41	43	40	41	43	43	1.8	0.4	No
R0044	GF	S	Residential	65	60	40	41	41	42	39	40	42	42	1.5	0.3	No
R0045	GF	N	Residential	65	60	39	39	39	41	38	39	41	41	1.7	0.4	No
R0046	GF	NW	Residential	65	60	40	41	41	42	40	40	42	42	1.6	0.4	No
R0047	GF	N	Residential	65	60	41	42	42	43	41	42	43	43	1.5	0.2	No
R0048	GF	NW	Residential	65	60	38	39	39	41	38	39	40	41	1.6	0.4	No
R0050	GF	SE	Residential	65	60	41	41	41	43	40	41	42	43	1.6	0.4	No
R0051	GF	NW	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R0052	GF	N	Residential	65	60	41	41	41	42	40	40	42	42	1.5	0.2	No
R0053	GF	E	Residential	65	60	40	40	40	42	39	40	41	42	1.5	0.2	No
R0054	GF	E	Residential	65	60	41	42	42	44	41	42	43	44	1.6	0.3	No
R0055	GF	E	Residential	65	60	38	39	39	40	37	38	40	40	1.6	0.4	No
R0055	F 1	E	Residential	65	60	41	42	42	44	41	42	43	44	1.9	0.6	No
R0056	GF	E	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.4	No
R0057	GF	E	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.4	No
R0058	GF	SE	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.2	No
R0059	GF	NE	Residential	65	60	40	41	41	42	39	40	42	42	1.5	0.3	No
R0060	GF	N	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.4	No
R0060	F 1	N	Residential	65	60	43	44	44	45	43	43	45	45	1.6	0.3	No
R0061	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.6	0.3	No
R0062	GF	N	Residential	65	60	40	41	41	42	40	40	42	42	1.5	0.2	No
R0063	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.3	No
R0064	GF	NE	Residential	65	60	39	39	39	41	38	39	41	41	1.5	0.3	No
R0065	GF	E	Residential	65	60	41	42	42	43	41	41	43	43	1.6	0.3	No
R0066	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.7	0.3	No
R0067	GF	E	Residential	65	60	41	42	42	43	41	42	43	43	1.6	0.2	No
R0068	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No
R0069	GF	S	Residential	65	60	40	41	41	42	40	40	42	42	1.5	0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0071	GF	NE	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.5	No
R0072	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.6	0.4	No
R0074	GF	E	Residential	65	60	41	41	41	43	40	41	42	43	1.6	0.3	No
R0075	GF	N	Residential	65	60	42	42	42	43	41	42	43	43	1.3	0	No
R0075	F 1	N	Residential	65	60	45	45	45	47	45	45	47	47	1.4	-0.1	No
R0076	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.5	No
R0077	GF	NE	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.3	No
R0079	GF	N	Residential	65	60	39	40	40	41	38	39	41	41	1.7	0.4	No
R0080	GF	S	Residential	65	60	40	41	41	42	40	40	42	42	1.5	0.2	No
R0081	GF	SE	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R0084	GF	E	Residential	65	60	40	41	40	42	39	40	42	42	1.6	0.3	No
R0085	GF	E	Residential	65	60	40	41	40	42	39	40	42	42	1.6	0.3	No
R0085	F 1	E	Residential	65	60	44	44	44	46	43	44	46	46	1.6	0.3	No
R0086	GF	NE	Residential	65	60	40	41	41	43	39	41	42	43	1.9	0.6	No
R0087	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.7	0.5	No
R0089	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.2	No
R0090	GF	N	Residential	65	60	39	40	40	41	38	39	41	41	1.4	0.3	No
R0090	F 1	N	Residential	65	60	43	44	44	45	43	43	45	45	1.6	0.4	No
R0091	GF	NE	Residential	65	60	41	42	42	43	41	42	43	43	1.6	0.4	No
R0092	GF	SE	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R0093	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.3	No
R0095	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.6	0.2	No
R0096	GF	N	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.5	No
R0097	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.2	No
R0098	GF	E	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.2	No
R0099	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.6	0.3	No
R0101	GF	N	Residential	65	60	41	41	41	43	40	41	43	43	1.5	0.2	No
R0102	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.4	No
R0103	GF	N	Residential	65	60	42	42	42	44	41	42	43	44	1.6	0.2	No
R0104	GF	N	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.4	No
R0105	GF	S	Residential	65	60	42	42	43	44	42	42	44	44	1.2	-0.2	No
R0106	GF	S	Residential	65	60	40	40	40	42	40	40	42	42	1.5	0.1	No
R0107	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.6	0.3	No
R0108	GF	NE	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.4	No
R0110	GF	N	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.5	No
R0111	GF	NE	Residential	65	60	43	43	43	45	42	43	44	45	1.8	0.4	No
R0112	GF	S	Residential	65	60	41	41	41	43	40	41	42	43	1.5	0.1	No
R0115	GF	N	Residential	65	60	39	40	40	41	38	39	41	41	1.8	0.6	No
R0115	F 1	N	Residential	65	60	43	44	44	45	43	44	45	46	1.7	0.3	No
R0116	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No
R0117	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.4	0.1	No
R0118	GF	N	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.1	No
R0119	GF	SE	Residential	65	60	41	42	42	43	40	41	43	43	1.4	0.2	No
R0120	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.5	0.2	No
R0121	GF	E	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.1	No
R0123	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.3	No
R0124	GF	S	Residential	65	60	42	42	42	43	41	41	43	43	1.2	-0.1	No
R0125	GF	E	Residential	65	60	42	42	42	44	41	42	43	44	1.5	0.3	No
R0126	GF	E	Residential	65	60	45	45	45	46	44	44	46	46	1.1	-0.1	No
R0127	GF	SE	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R0128	GF	E	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.1	No
R0129	GF	SE	Residential	65	60	39	40	40	41	38	39	41	41	1.5	0.2	No
R0130	GF	S	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0	No
R0131	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.2	No
R0132	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.2	No
R0133	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.2	No
R0134	GF	E	Residential	65	60	44	44	44	45	43	43	45	45	1.3	0	No
R0135	GF	NW	Residential	65	60	43	44	43	45	42	43	45	45	1.7	0.3	No
R0137	GF	NE	Residential	65	60	43	44	44	45	43	43	45	45	1.2	0	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0138	GF	E	Residential	65	60	44	44	44	45	43	43	45	45	1.2	-0.1	No
R0139	GF	S	Residential	65	60	42	42	43	44	42	42	44	44	1.2	-0.1	No
R0140	GF	NE	Residential	65	60	47	47	47	48	46	46	49	48	0.7	-0.6	No
R0141	GF	N	Residential	65	60	43	43	43	44	42	43	44	45	1.5	0.2	No
R0142	GF	N	Residential	65	60	42	43	42	44	41	42	44	44	1.7	0.5	No
R0142	F 1	N	Residential	65	60	44	44	44	46	43	44	46	46	1.6	0.3	No
R0143	GF	SE	Residential	65	60	41	41	41	43	40	41	43	43	1.7	0.3	No
R0143	F 1	SE	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.3	No
R0144	GF	E	Residential	65	60	45	45	45	46	44	44	46	46	1	-0.3	No
R0145	GF	S	Residential	65	60	36	37	37	38	36	37	38	38	1.6	0.3	No
R0146	GF	E	Residential	65	60	45	45	45	46	44	45	47	46	1.1	-0.2	No
R0147	GF	N	Residential	65	60	37	38	38	39	36	37	39	39	1.3	0	No
R0148	GF	E	Residential	65	60	43	44	43	45	42	43	45	45	1.7	0.3	No
R0149	GF	NE	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.1	No
R0151	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.5	0.3	No
R0151	F 1	E	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.1	No
R0152	GF	N	Residential	65	60	47	47	48	48	46	46	49	48	0.6	-0.6	No
R0153	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.6	0.2	No
R0154	GF	N	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.3	No
R0155	GF	E	Residential	65	60	40	41	41	43	40	41	42	43	1.6	0.3	No
R0158	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.3	No
R0159	GF	N	Residential	65	60	43	43	43	45	42	43	44	44	1.5	0.2	No
R0160	GF	NE	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.3	No
R0161	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.3	No
R0163	GF	E	Residential	65	60	43	44	43	45	42	43	45	45	1.7	0.4	No
R0164	GF	E	Residential	65	60	42	42	43	44	41	42	44	44	1.3	0	No
R0164	F 1	E	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No
R0165	GF	E	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.2	No
R0166	GF	E	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.3	No
R0168	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.5	0.3	No
R0169	GF	S	Residential	65	60	42	42	43	44	41	42	44	44	1.3	0.1	No
R0170	GF	NE	Residential	65	60	48	47	48	49	47	47	49	49	0.7	-0.6	No
R0171	GF	SE	Residential	65	60	41	41	41	43	40	41	43	43	1.5	0.1	No
R0171	F 1	SE	Residential	65	60	44	44	44	46	43	44	45	46	1.5	0.1	No
R0172	GF	N	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.3	No
R0174	GF	E	Residential	65	60	48	47	48	49	47	47	49	49	0.7	-0.6	No
R0175	GF	E	Residential	65	60	40	41	41	42	40	40	42	42	1.6	0.3	No
R0176	GF	NE	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.2	No
R0177	GF	E	Residential	65	60	48	47	48	49	47	47	49	49	0.7	-0.6	No
R0178	GF	N	Residential	65	60	40	41	41	43	40	41	42	43	1.9	0.5	No
R0179	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.2	0	No
R0180	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.5	0.2	No
R0181	GF	N	Residential	65	60	41	42	42	43	41	42	43	43	1.7	0.4	No
R0182	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	0.7	-0.6	No
R0183	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.5	0.2	No
R0184	GF	E	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R0185	GF	N	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.2	No
R0186	GF	SE	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.1	No
R0187	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1.2	-0.2	No
R0188	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1	-0.3	No
R0189	GF	S	Residential	65	60	44	44	44	45	43	43	45	45	1.2	0	No
R0189	F 1	S	Residential	65	60	46	46	47	48	46	46	48	48	1	-0.2	No
R0190	GF	N	Residential	65	60	41	41	41	43	40	41	43	43	1.4	0	No
R0190	F 1	N	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R0191	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1	-0.3	No
R0192	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.3	No
R0193	GF	NE	Residential	65	60	42	43	42	44	41	42	44	44	1.5	0.2	No
R0193	F 1	NE	Residential	65	60	46	46	46	47	45	45	47	47	1.4	0	No
R0195	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.3	-0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0196	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.5	0.3	No
R0197	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1	-0.3	No
R0197	F 1	E	Residential	65	60	48	48	48	49	47	47	50	49	1	-0.4	No
R0198	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.3	No
R0199	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1.1	-0.2	No
R0200	GF	N	Residential	65	60	41	42	41	43	40	41	43	43	1.7	0.4	No
R0200	F 1	N	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.1	No
R0201	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.5	0.2	No
R0202	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0202	F 1	E	Residential	65	60	48	48	48	49	47	47	50	49	1	-0.3	No
R0203	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.3	No
R0204	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.4	0.2	No
R0205	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R0206	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0207	GF	N	Residential	65	60	44	44	44	46	43	44	46	46	1.8	0.3	No
R0208	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.5	0.3	No
R0208	F 1	E	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0	No
R0209	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1.2	-0.1	No
R0210	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0211	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.6	0.4	No
R0212	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.1	-0.2	No
R0213	GF	S	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0	No
R0214	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.4	0.2	No
R0215	GF	E	Residential	65	60	44	45	45	46	44	45	46	46	1.5	0.1	No
R0216	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R0216	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1	-0.2	No
R0216	F 2	E	Residential	65	60	49	49	49	50	48	48	50	50	1	-0.2	No
R0217	GF	N	Residential	65	60	41	41	41	43	40	41	43	43	1.6	0.3	No
R0219	GF	E	Residential	65	60	45	45	45	46	44	44	46	46	1.3	-0.1	No
R0220	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.3	No
R0222	GF	N	Residential	65	60	40	40	40	42	39	40	41	42	1.6	0.3	No
R0222	F 1	N	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.4	No
R0223	GF	N	Residential	65	60	48	47	48	49	47	47	49	49	0.8	-0.6	No
R0225	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.4	0.2	No
R0225	F 1	E	Residential	65	60	48	49	49	50	48	48	50	50	1	-0.2	No
R0226	GF	S	Residential	65	60	42	42	42	43	41	42	43	43	1.3	0.1	No
R0227	GF	E	Residential	65	60	42	43	43	44	42	43	44	45	1.6	0.4	No
R0229	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.4	No
R0230	GF	N	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.2	No
R0231	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.2	No
R0233	GF	SE	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R0234	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0235	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0236	GF	NE	Residential	65	60	43	43	43	45	42	43	44	45	1.4	0.1	No
R0237	GF	NE	Residential	65	60	48	47	48	49	47	47	49	49	0.8	-0.5	No
R0238	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.4	0.2	No
R0239	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.4	0.1	No
R0242	GF	N	Residential	65	60	40	41	40	42	39	40	42	42	1.6	0.3	No
R0243	GF	S	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.2	No
R0243	F 1	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	0	No
R0244	GF	S	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.4	No
R0246	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.1	No
R0247	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R0249	GF	NE	Residential	65	60	48	47	48	49	47	47	49	49	0.9	-0.4	No
R0250	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0250	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	0.9	-0.3	No
R0251	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.4	0.2	No
R0251	F 1	E	Residential	65	60	49	48	49	50	48	48	50	50	0.9	-0.3	No
R0252	GF	NE	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0254	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.2	No
R0254	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.3	-0.1	No
R0255	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0258	GF	SE	Residential	65	60	43	44	44	45	43	44	45	45	1.4	0.2	No
R0259	GF	NE	Residential	65	60	48	48	49	50	48	48	50	50	1.1	-0.4	No
R0260	GF	N	Residential	65	60	42	43	43	45	42	43	44	45	1.7	0.3	No
R0260	F 1	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0261	GF	E	Residential	65	60	44	45	44	46	43	44	46	46	1.6	0.3	No
R0262	GF	E	Residential	65	60	48	48	48	50	47	48	50	49	1.1	-0.3	No
R0263	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.1	No
R0264	GF	S	Residential	65	60	47	47	47	49	46	47	49	49	1.2	-0.2	No
R0267	GF	E	Residential	65	60	46	46	47	48	45	46	48	48	1.2	-0.1	No
R0268	GF	N	Residential	65	60	42	43	43	45	42	42	44	44	1.6	0.2	No
R0269	GF	N	Residential	65	60	40	41	41	42	39	40	42	42	1.5	0.2	No
R0270	GF	S	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R0270	F 1	S	Residential	65	60	48	48	49	50	47	48	50	50	1	-0.3	No
R0271	GF	E	Residential	65	60	45	45	46	47	45	45	47	47	1.1	-0.2	No
R0271	F 1	E	Residential	65	60	48	48	49	50	48	48	50	50	1.1	-0.2	No
R0273	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.2	No
R0273	F 1	E	Residential	65	60	48	48	49	50	48	48	50	50	1.1	-0.2	No
R0274	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.5	0.1	No
R0276	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.6	0.3	No
R0276	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.1	-0.3	No
R0277	GF	NW	Educational institute	55	55	43	43	44	45	43	43	45	45	1.1	-0.2	No
R0277	F 1	NW	Educational institute	55	55	47	47	47	49	46	47	49	48	1.2	-0.2	No
R0280	GF	N	Residential	65	60	43	44	44	45	43	44	45	45	1.6	0.3	No
R0283	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.7	0.4	No
R0283	F 1	E	Residential	65	60	48	49	49	50	48	48	50	50	1	-0.2	No
R0284	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1.2	-0.1	No
R0285	GF	E	Residential	65	60	47	47	47	48	46	47	49	48	1.2	-0.1	No
R0285	F 1	E	Residential	65	60	49	49	50	50	48	49	51	50	0.9	-0.4	No
R0288	GF	E	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R0290	GF	N	Residential	65	60	42	43	43	45	42	43	44	45	1.7	0.4	No
R0290	F 1	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0291	GF	NW	Educational institute	55	55	44	45	45	46	44	44	46	46	1.5	0	No
R0292	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0292	F 1	E	Residential	65	60	48	48	49	50	48	48	50	50	1.1	-0.2	No
R0293	GF	N	Residential	65	60	39	39	39	41	38	39	40	41	1.5	0.4	No
R0294	GF	E	Residential	65	60	40	41	41	43	40	41	42	42	1.6	0.3	No
R0294	F 1	E	Residential	65	60	46	46	46	47	45	46	47	47	1.5	0.1	No
R0295	GF	E	Residential	65	60	46	46	46	47	45	45	47	47	1.4	0.1	No
R0295	F 1	E	Residential	65	60	48	48	49	50	47	48	50	50	1.2	-0.1	No
R0301	GF	S	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.2	No
R0302	GF	SE	Educational institute	55	55	42	43	43	44	42	42	44	44	1.4	0	No
R0302	F 1	SE	Educational institute	55	55	44	44	45	46	44	44	46	46	1.3	-0.1	No
R0304	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.4	No
R0305	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0306	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.7	0.4	No
R0307	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.4	No
R0308	GF	N	Residential	65	60	43	44	43	45	42	43	45	45	1.6	0.3	No
R0309	GF	E	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R0309	F 1	E	Residential	65	60	49	49	50	51	48	49	51	51	1	-0.3	No
R0312	GF	N	Educational institute	55	55	45	46	46	47	45	45	47	47	1.5	0.2	No
R0314	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.6	0.3	No
R0314	F 1	E	Residential	65	60	47	47	47	48	46	46	48	48	1.4	0	No
R0314	F 2	E	Residential	65	60	47	47	48	49	47	47	49	49	1.3	0	No
R0318	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R0319	GF	E	Residential	65	60	40	41	41	42	39	40	42	42	1.7	0.5	No
R0319	F 1	E	Residential	65	60	48	48	48	49	47	47	50	49	0.9	-0.4	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0321	GF	N	Residential	65	60	41	42	42	43	41	42	43	43	1.5	0.3	No
R0323	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0324	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.3	0.1	No
R0324	F 1	E	Residential	65	60	49	49	50	50	48	49	51	50	0.9	-0.4	No
R0325	GF	E	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.4	No
R0326	GF	E	Residential	65	60	47	47	47	48	46	47	48	48	1.3	0	No
R0327	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0327	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	1	-0.3	No
R0328	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1.2	0	No
R0328	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1	-0.2	No
R0329	GF	E	Educational institute	55	55	46	46	47	48	46	46	48	48	1.3	0	No
R0331	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0331	F 1	S	Residential	65	60	49	49	50	51	49	49	51	51	1.1	-0.3	No
R0332	GF	E	Residential	65	60	47	47	48	49	46	47	49	49	1.1	-0.2	No
R0332	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1	-0.3	No
R0333	GF	N	Residential	65	60	41	42	42	43	41	41	43	43	1.7	0.4	No
R0334	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1.2	-0.1	No
R0334	F 1	E	Residential	65	60	49	49	49	50	48	48	51	50	1	-0.3	No
R0335	GF	S	Residential	65	60	42	43	42	44	41	42	44	44	1.6	0.3	No
R0337	GF	E	Residential	65	60	46	46	47	48	45	46	48	48	1.2	0	No
R0339	GF	E	Residential	65	60	42	43	43	44	42	43	44	44	1.6	0.3	No
R0339	F 1	E	Residential	65	60	46	46	46	48	45	46	48	48	1.2	-0.1	No
R0339	F 2	E	Residential	65	60	49	49	49	50	48	48	50	50	1	-0.3	No
R0339	F 3	E	Residential	65	60	49	49	50	51	49	49	51	51	0.9	-0.3	No
R0340	GF	E	Educational institute	55	55	45	46	46	47	45	45	47	47	1.3	0	No
R0340	F 1	E	Educational institute	55	55	48	48	48	49	47	47	50	49	1.1	-0.2	No
R0341	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1.3	0	No
R0343	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.4	-0.1	No
R0343	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	0.9	-0.4	No
R0345	GF	E	Residential	65	60	45	45	46	47	44	45	47	47	1.1	-0.1	No
R0345	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1.1	-0.2	No
R0348	GF	S	Residential	65	60	41	41	42	43	40	41	43	43	1.1	-0.2	No
R0348	F 1	S	Residential	65	60	45	45	45	46	44	44	46	46	1.1	-0.3	No
R0349	GF	E	Residential	65	60	46	46	47	48	45	46	48	48	1.3	0	No
R0349	F 1	E	Residential	65	60	49	49	49	50	48	48	51	50	1.1	-0.2	No
R0353	GF	N	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.2	No
R0354	GF	N	Residential	65	60	43	43	43	45	42	43	45	45	1.4	0.2	No
R0354	F 1	N	Residential	65	60	47	47	47	48	46	46	48	48	1.3	-0.1	No
R0355	GF	N	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.4	No
R0355	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R0362	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.6	0.3	No
R0363	GF	E	Educational institute	55	55	42	43	43	44	42	42	44	44	1.5	0.2	No
R0363	F 1	E	Educational institute	55	55	47	48	48	49	47	47	49	49	1.5	0.1	No
R0364	GF	N	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.3	No
R0365	GF	S	Residential	65	60	46	46	47	48	45	46	48	48	1.1	-0.2	No
R0365	F 1	S	Residential	65	60	49	49	50	51	48	49	51	51	1	-0.3	No
R0366	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	-0.1	No
R0366	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	0.9	-0.4	No
R0367	GF	E	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.2	No
R0368	GF	N	Residential	65	60	39	39	39	41	38	39	40	41	1.7	0.4	No
R0369	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.2	No
R0375	GF	N	Residential	65	60	41	42	42	43	41	42	43	43	1.5	0.2	No
R0376	GF	N	Residential	65	60	41	41	41	43	40	41	42	43	1.6	0.3	No
R0377	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No
R0378	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0379	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.3	0	No
R0380	GF	E	Residential	65	60	47	47	47	48	46	47	48	48	1.4	0	No
R0380	F 1	E	Residential	65	60	49	49	50	50	48	49	51	51	0.9	-0.4	No
R0382	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0383	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R0383	F 1	E	Residential	65	60	48	48	49	50	48	48	50	50	1	-0.3	No
R0384	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.2	No
R0385	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.2	No
R0385	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.1	No
R0386	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R0387	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0.1	No
R0387	F 1	S	Residential	65	60	49	49	50	51	48	49	51	51	1.1	-0.2	No
R0388	GF	E	Residential	65	60	44	44	44	46	43	44	46	46	1.6	0.3	No
R0391	GF	N	Residential	65	60	43	43	44	45	42	43	45	45	1.4	0.1	No
R0392	GF	N	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R0393	GF	E	Residential	65	60	47	47	48	49	46	47	49	49	1.1	-0.2	No
R0393	F 1	E	Residential	65	60	49	49	49	51	48	49	51	50	1.1	-0.3	No
R0396	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.5	0.3	No
R0397	GF	N	Residential	65	60	42	43	42	44	41	42	44	44	1.9	0.6	No
R0399	GF	E	Residential	65	60	44	45	45	46	44	45	46	46	1.7	0.4	No
R0401	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.6	0.2	No
R0402	GF	NE	Residential	65	60	44	45	45	46	44	45	46	46	1.6	0.3	No
R0403	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.2	-0.1	No
R0404	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.3	No
R0405	GF	E	Residential	65	60	46	46	46	47	45	46	48	47	1.2	-0.1	No
R0405	F 1	E	Residential	65	60	49	49	49	50	48	48	51	50	1.1	-0.2	No
R0408	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0.1	No
R0409	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0410	GF	S	Residential	65	60	47	48	48	49	47	47	49	49	1	-0.2	No
R0411	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.2	0	No
R0411	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.1	-0.1	No
R0412	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.2	No
R0413	GF	E	Residential	65	60	40	41	41	42	40	40	42	42	1.5	0.3	No
R0413	F 1	E	Residential	65	60	46	46	47	48	46	46	48	48	0.8	-0.5	No
R0413	F 2	E	Residential	65	60	50	49	50	51	49	49	51	51	0.9	-0.4	No
R0414	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.3	No
R0414	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1	-0.3	No
R0416	GF	N	Residential	65	60	44	44	44	46	43	44	45	46	1.5	0.3	No
R0417	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R0418	GF	E	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.3	No
R0419	GF	S	Residential	65	60	47	47	47	48	46	46	48	48	1.1	-0.3	No
R0419	F 1	S	Residential	65	60	49	49	50	51	49	49	51	51	1	-0.3	No
R0420	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R0421	GF	N	Residential	65	60	44	44	44	46	43	44	46	46	1.5	0.1	No
R0421	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.1	No
R0422	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0423	GF	NE	Residential	65	60	44	44	44	46	43	44	46	46	1.5	0.2	No
R0424	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.1	No
R0425	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.2	No
R0425	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R0426	GF	N	Residential	65	60	43	44	44	45	42	43	45	45	1.4	0.2	No
R0427	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.1	No
R0428	GF	SE	Residential	65	60	47	47	48	48	46	46	49	48	0.9	-0.4	No
R0430	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.6	0.3	No
R0434	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.3	No
R0434	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1.1	-0.2	No
R0436	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No
R0436	F 1	N	Residential	65	60	45	45	45	46	44	44	46	46	1.4	0.1	No
R0437	GF	SE	Residential	65	60	45	45	45	46	44	44	46	46	1.3	-0.1	No
R0438	GF	E	Active recreation	65	65	49	49	49	50	48	48	50	50	0.7	-0.5	No
R0439	GF	E	Educational institute	55	55	45	46	46	47	45	45	47	47	1.4	0.1	No
R0439	F 1	E	Educational institute	55	55	48	49	49	50	48	48	50	50	1.3	-0.1	No
R0441	GF	E	Residential	65	60	43	43	43	45	42	43	45	45	1.4	0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0442	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.2	No
R0443	GF	N	Residential	65	60	44	44	44	46	44	44	46	46	1.4	0	No
R0445	GF	N	Residential	65	60	43	43	43	45	42	43	45	45	1.6	0.4	No
R0446	GF	N	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.1	No
R0447	GF	SW	Residential	65	60	44	44	44	45	43	43	46	45	0.8	-0.5	No
R0448	GF	N	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.2	No
R0448	F 1	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0451	GF	N	Residential	65	60	43	44	44	45	42	43	45	45	1.5	0.2	No
R0452	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.6	0.3	No
R0452	F 1	E	Residential	65	60	44	45	45	47	44	45	46	46	1.7	0.3	No
R0452	F 2	E	Residential	65	60	49	50	50	51	49	49	51	51	1.3	0	No
R0454	GF	E	Educational institute	55	55	44	45	45	46	44	44	46	46	1.4	0	No
R0454	F 1	E	Educational institute	55	55	48	48	48	49	47	47	49	49	1.2	-0.1	No
R0455	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0	No
R0456	GF	E	Residential	65	60	43	44	44	45	43	44	45	45	1.7	0.4	No
R0457	GF	N	Residential	65	60	43	44	44	45	42	43	45	45	1.6	0.2	No
R0458	GF	S	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0	No
R0460	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.8	0.5	No
R0461	GF	E	Residential	65	60	47	47	48	49	46	47	49	49	1.3	0	No
R0463	GF	W	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0464	GF	E	Residential	65	60	43	44	44	45	43	44	45	45	1.5	0.3	No
R0465	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.1	No
R0465	F 1	N	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.1	No
R0466	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.1	No
R0467	GF	SW	Residential	65	60	44	44	45	45	43	43	46	45	0.7	-0.6	No
R0468	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0469	GF	NE	Educational institute	55	55	45	46	46	47	45	45	47	47	1.4	0.1	No
R0470	GF	S	Residential	65	60	43	44	44	45	42	43	45	45	1.4	0.1	No
R0471	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R0472	GF	N	Residential	65	60	44	44	44	45	43	44	45	45	1.4	0.1	No
R0473	GF	N	Residential	65	60	44	45	45	46	43	44	46	46	1.5	0.2	No
R0477	GF	E	Residential	65	60	47	47	47	48	46	47	48	48	1.5	0.2	No
R0478	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.1	No
R0478	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1	-0.3	No
R0479	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0482	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.2	No
R0483	GF	E	Active recreation	65	65	46	47	47	48	46	46	48	48	1.3	0	No
R0483	F 1	E	Active recreation	65	65	48	48	48	50	47	48	50	50	1.2	-0.1	No
R0484	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R0485	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1.2	-0.1	No
R0485	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	0.9	-0.4	No
R0487	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.4	No
R0487	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.2	0	No
R0489	GF	S	Residential	65	60	44	44	44	45	43	43	45	45	1.3	0	No
R0490	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0.1	No
R0491	GF	E	Residential	65	60	47	47	47	49	46	47	48	48	1.5	0	No
R0492	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0493	GF	S	Residential	65	60	47	47	47	48	46	46	48	48	1.1	-0.1	No
R0493	F 1	S	Residential	65	60	49	49	50	51	49	49	51	51	0.9	-0.3	No
R0495	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0496	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.5	0.3	No
R0497	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.4	0.2	No
R0498	GF	SW	Residential	65	60	45	44	45	46	44	44	46	46	0.7	-0.6	No
R0500	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R0500	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	0.9	-0.4	No
R0501	GF	N	Residential	65	60	43	43	43	45	42	43	45	45	1.4	0.1	No
R0501	F 1	N	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0503	GF	N	Residential	65	60	44	44	44	45	43	43	45	45	1.5	0.1	No
R0503	F 1	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0504	GF	S	Residential	65	60	47	47	47	48	46	46	48	48	1.2	0	No
R0504	F 1	S	Residential	65	60	49	49	50	51	49	49	51	51	1.1	-0.1	No
R0505	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.2	-0.1	No
R0505	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1	-0.2	No
R0506	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0507	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R0507	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1.2	-0.1	No
R0508	GF	N	Residential	65	60	41	41	41	43	40	41	43	43	1.3	0.1	No
R0509	GF	NE	Residential	65	60	45	45	46	47	45	45	47	47	1.4	0	No
R0512	GF	N	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0.1	No
R0512	F 1	N	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.1	No
R0513	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No
R0514	GF	N	Residential	65	60	44	45	44	46	43	44	46	46	1.6	0.3	No
R0515	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.1	No
R0516	GF	E	Educational institute	55	55	46	46	46	48	45	46	48	48	1.4	0.1	No
R0518	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R0519	GF	SE	Residential	65	60	46	46	47	48	45	46	48	48	1.4	0.1	No
R0520	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.2	No
R0520	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1	-0.3	No
R0521	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0521	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1.1	-0.2	No
R0522	GF	N	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.2	No
R0523	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0524	GF	SE	Residential	65	60	45	46	45	47	44	45	47	47	1.5	0.2	No
R0525	GF	SE	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.3	No
R0526	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0.1	No
R0527	GF	SE	Residential	65	60	49	49	49	50	48	48	50	50	1.1	-0.2	No
R0530	GF	N	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R0533	GF	S	Residential	65	60	45	45	46	46	44	44	47	46	0.5	-0.7	No
R0534	GF	SE	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.2	No
R0534	F 1	SE	Residential	65	60	49	49	50	51	49	49	51	51	1.2	-0.2	No
R0535	GF	S	Residential	65	60	47	48	48	49	46	47	49	49	1.5	0.4	No
R0537	GF	N	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R0537	F 1	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0538	GF	NE	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.1	No
R0539	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.1	-0.2	No
R0541	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.7	0.5	No
R0542	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1.4	0	No
R0544	GF	S	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.3	No
R0545	GF	N	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No
R0546	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R0547	GF	N	Residential	65	60	41	41	41	42	40	40	42	42	1.2	0.2	No
R0550	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0551	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0551	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.2	No
R0552	GF	N	Residential	65	60	44	44	44	46	43	44	45	46	1.5	0.3	No
R0553	GF	NE	Residential	65	60	43	44	44	45	42	43	45	45	1.6	0.3	No
R0554	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.5	0.3	No
R0555	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R0555	F 1	S	Residential	65	60	48	48	48	49	47	47	50	49	0.7	-0.7	No
R0556	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.5	0.2	No
R0557	GF	E	Residential	65	60	46	46	46	47	45	45	47	47	1.3	-0.1	No
R0557	F 1	E	Residential	65	60	47	48	48	49	47	47	49	49	1.3	-0.1	No
R0558	GF	E	Residential	65	60	46	46	46	48	45	46	47	47	1.5	0.1	No
R0559	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.2	No
R0561	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R0563	GF	S	Residential	65	60	46	46	46	47	45	46	47	47	1.4	0.2	No
R0564	GF	NE	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No
R0565	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0566	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.4	0.1	No
R0567	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.2	No
R0568	GF	NE	Residential	65	60	44	44	45	46	43	44	46	46	1.4	0.2	No
R0569	GF	S	Residential	65	60	48	48	49	50	47	48	50	50	1.3	0.1	No
R0569	F 1	S	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.1	No
R0572	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.6	0.4	No
R0573	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0574	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.3	No
R0574	F 1	E	Residential	65	60	48	49	49	50	48	48	50	50	1.1	-0.2	No
R0576	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.3	No
R0576	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.2	-0.3	No
R0577	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0577	F 1	N	Residential	65	60	49	49	49	50	48	48	50	50	1.2	0	No
R0578	GF	E	Residential	65	60	43	44	44	45	43	44	45	45	1.6	0.4	No
R0579	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0580	GF	NE	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R0580	F 1	NE	Residential	65	60	46	46	46	47	45	45	47	47	1.2	0	No
R0580	F 2	NE	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0	No
R0582	GF	N	Residential	65	60	44	44	45	46	43	44	46	46	1.4	0.1	No
R0584	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0.1	No
R0585	GF	S	Residential	65	60	46	46	46	47	45	46	48	47	1.2	-0.1	No
R0587	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R0589	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R0590	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0590	F 1	E	Residential	65	60	50	49	50	51	49	49	51	51	1	-0.3	No
R0591	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0592	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.4	0.1	No
R0592	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1	-0.3	No
R0593	GF	N	Residential	65	60	43	44	43	45	42	43	45	45	1.7	0.5	No
R0594	GF	S	Residential	65	60	48	49	49	50	47	48	50	50	1.4	0.1	No
R0594	F 1	S	Residential	65	60	50	50	50	51	49	49	52	51	1.1	-0.2	No
R0595	GF	SW	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0	No
R0596	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.2	No
R0598	GF	N	Residential	65	60	45	46	46	47	44	45	47	47	1.4	0.3	No
R0600	GF	E	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R0601	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.5	0.3	No
R0603	GF	E	Residential	65	60	44	44	44	46	43	44	46	46	1.5	0.3	No
R0604	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.7	0.4	No
R0606	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1.2	-0.1	No
R0609	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R0609	F 1	E	Residential	65	60	50	50	50	52	49	50	52	52	1.1	-0.2	No
R0610	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.4	No
R0611	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0611	F 1	N	Residential	65	60	47	48	48	49	47	48	49	49	1.4	0.1	No
R0613	GF	N	Residential	65	60	45	46	46	47	44	45	47	47	1.6	0.2	No
R0614	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.3	0	No
R0615	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.4	No
R0617	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.8	0.5	No
R0620	GF	E	Residential	65	60	48	48	48	49	47	48	50	49	1.2	-0.1	No
R0622	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0624	GF	S	Residential	65	60	46	46	46	48	45	46	48	48	1.2	-0.1	No
R0626	GF	S	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.2	No
R0628	GF	NE	Residential	65	60	45	45	45	47	44	45	46	47	1.4	0.2	No
R0629	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0630	GF	SW	Residential	65	60	44	45	45	46	44	44	46	46	1.3	-0.1	No
R0632	GF	SE	Residential	65	60	43	44	44	45	43	44	45	45	1.6	0.4	No
R0633	GF	E	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.3	No
R0634	GF	S	Residential	65	60	48	48	49	50	47	48	50	50	1.2	-0.1	No
R0634	F 1	S	Residential	65	60	49	49	50	51	49	49	51	51	1.2	-0.1	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0635	GF	NW	Residential	65	60	42	43	43	44	42	43	44	44	1.6	0.3	No
R0636	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.2	No
R0637	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.3	No
R0638	GF	NE	Residential	65	60	46	46	46	48	45	46	48	48	1.6	0.3	No
R0638	F 1	NE	Residential	65	60	50	50	51	52	49	50	52	52	1	-0.2	No
R0640	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.2	No
R0640	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.4	No
R0642	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.2	No
R0643	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.4	No
R0645	GF	S	Residential	65	60	44	44	44	46	43	44	45	46	1.8	0.5	No
R0645	F 1	S	Residential	65	60	49	49	50	51	48	49	51	51	1.2	0	No
R0646	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1.5	0.2	No
R0647	GF	N	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R0648	GF	NE	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0	No
R0648	F 1	NE	Residential	65	60	47	47	47	49	46	47	49	49	1.1	-0.2	No
R0650	GF	N	Residential	65	60	45	46	46	48	45	46	47	48	1.7	0.4	No
R0652	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0652	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1	-0.3	No
R0653	GF	E	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.1	No
R0654	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0654	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1	-0.2	No
R0655	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0657	GF	S	Residential	65	60	46	46	47	48	45	46	48	48	1.3	0	No
R0658	GF	N	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.3	No
R0662	GF	NE	Residential	65	60	46	47	47	48	45	46	48	48	1.4	0.3	No
R0664	GF	S	Residential	65	60	48	49	49	50	48	48	50	50	1.3	0.1	No
R0664	F 1	S	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.1	No
R0665	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.2	No
R0666	GF	E	Residential	65	60	46	46	46	47	45	46	47	47	1.4	0.1	No
R0667	GF	N	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.3	No
R0668	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.6	0.4	No
R0669	GF	E	Residential	65	60	44	45	44	46	43	44	46	46	1.7	0.4	No
R0670	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.3	No
R0672	GF	S	Residential	65	60	47	47	47	48	46	46	49	48	1.1	-0.2	No
R0673	GF	E	Residential	65	60	43	44	44	46	43	44	45	46	1.7	0.4	No
R0674	GF	S	Residential	65	60	45	45	46	47	44	45	47	47	1.2	0	No
R0676	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.4	No
R0676	F 1	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R0676	F 2	E	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0	No
R0677	GF	E	Residential	65	60	42	43	43	45	42	43	44	45	1.7	0.3	No
R0677	F 1	E	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R0678	GF	SE	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.1	No
R0680	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.3	No
R0680	F 1	E	Residential	65	60	49	49	49	51	48	49	51	51	1.2	-0.1	No
R0681	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.3	No
R0682	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.2	0	No
R0684	GF	E	Residential	65	60	46	46	46	47	45	46	47	47	1.5	0.2	No
R0685	GF	E	Residential	65	60	47	47	47	49	46	47	48	48	1.6	0.2	No
R0686	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0687	GF	E	Residential	65	60	47	47	47	48	46	46	49	48	1	-0.3	No
R0688	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.3	No
R0689	GF	E	Residential	65	60	43	43	43	44	42	42	44	44	1.3	0	No
R0690	GF	S	Residential	65	60	46	46	46	47	45	46	48	48	1.2	0	No
R0691	GF	E	Residential	65	60	44	44	44	45	43	44	45	45	1.4	0.1	No
R0693	GF	SE	Active recreation	65	65	45	45	45	47	44	45	47	47	1.3	0	No
R0694	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0694	F 1	E	Residential	65	60	51	51	52	53	51	51	53	53	0.9	-0.4	No
R0695	GF	NE	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.4	No
R0696	GF	NE	Residential	65	60	46	47	47	48	45	46	48	48	1.4	0.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0697	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.3	No
R0699	GF	SE	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.2	No
R0700	GF	E	Residential	65	60	46	46	46	47	45	46	47	47	1.3	0.1	No
R0701	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.6	0.4	No
R0703	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.6	0.3	No
R0703	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	1.2	-0.2	No
R0706	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.4	No
R0706	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.2	-0.1	No
R0708	GF	S	Residential	65	60	44	45	44	46	43	44	46	46	1.6	0.4	No
R0709	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0709	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.2	No
R0710	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.3	No
R0711	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0712	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.3	No
R0714	GF	SE	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0715	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.3	No
R0716	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.3	0	No
R0717	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0718	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.6	0.3	No
R0719	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.2	No
R0721	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R0723	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R0724	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.2	0	No
R0725	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0726	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.2	No
R0727	GF	SW	Residential	65	60	44	44	44	46	43	44	46	46	1.4	0.1	No
R0729	GF	NE	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.2	No
R0730	GF	S	Residential	65	60	42	43	42	44	41	42	44	44	1.8	0.5	No
R0730	F 1	S	Residential	65	60	46	47	47	48	46	47	48	48	1.5	0.2	No
R0731	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0732	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0733	GF	S	Residential	65	60	46	46	46	47	45	46	47	47	1.4	0.2	No
R0734	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.3	0	No
R0734	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R0737	GF	E	Residential	65	60	47	47	47	48	46	47	48	48	1.4	0.2	No
R0737	F 1	E	Residential	65	60	50	50	51	51	49	50	52	51	0.9	-0.3	No
R0739	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.3	-0.1	No
R0739	F 1	E	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R0739	F 2	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0	No
R0741	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.2	-0.1	No
R0741	F 1	N	Residential	65	60	48	48	49	50	48	48	50	50	1.2	-0.1	No
R0742	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0742	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1.1	-0.2	No
R0745	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.2	No
R0745	F 1	S	Residential	65	60	49	49	50	50	49	48	51	50	0.8	-0.5	No
R0746	GF	N	Residential	65	60	44	44	45	46	44	44	46	46	1.1	-0.2	No
R0748	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R0751	GF	E	Commercial	70	70	46	46	46	47	45	45	47	47	1.3	0	No
R0752	GF	SE	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.3	No
R0753	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.3	No
R0753	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	1.2	-0.1	No
R0754	GF	E	Residential	65	60	44	44	44	45	43	43	45	45	1.3	0	No
R0756	GF	NE	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.4	No
R0759	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.3	No
R0760	GF	S	Residential	65	60	46	46	46	47	45	46	48	47	1.2	-0.1	No
R0761	GF	S	Residential	65	60	49	48	49	50	48	48	51	50	0.2	-1	No
R0762	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0762	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.2	-0.1	No
R0766	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.4	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0768	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.1	-0.2	No
R0768	F 1	S	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.2	No
R0769	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.2	No
R0771	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.1	No
R0771	F 1	E	Residential	65	60	48	49	48	50	48	48	50	50	1.5	0.2	No
R0773	GF	E	Residential	65	60	46	46	47	48	46	46	48	48	1.4	0.1	No
R0774	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.4	No
R0774	F 1	E	Residential	65	60	50	51	51	52	50	50	52	52	1.2	-0.1	No
R0775	GF	W	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.4	No
R0778	GF	S	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R0778	F 1	S	Residential	65	60	49	50	50	51	49	49	51	51	1.1	-0.2	No
R0778	F 2	S	Residential	65	60	50	50	51	52	49	50	52	52	1.1	-0.1	No
R0779	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.2	No
R0780	GF	E	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R0780	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.2	-0.1	No
R0781	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R0782	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R0783	GF	N	Active recreation	65	65	48	48	48	49	47	47	50	49	1.1	-0.1	No
R0784	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.4	0.1	No
R0787	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R0788	GF	S	Residential	65	60	46	46	46	47	45	46	48	47	1.2	-0.2	No
R0791	GF	E	Residential	65	60	42	43	42	44	41	42	44	44	1.8	0.6	No
R0791	F 1	E	Residential	65	60	49	49	50	51	48	49	51	51	1.3	0	No
R0792	GF	SE	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R0793	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R0794	GF	SE	Residential	65	60	44	45	44	46	44	45	46	46	1.8	0.2	No
R0794	F 1	SE	Residential	65	60	46	46	46	48	45	46	47	48	1.9	0.4	No
R0795	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.7	0.4	No
R0798	GF	E	Residential	65	60	44	45	45	46	44	45	46	46	1.7	0.4	No
R0799	GF	N	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.3	No
R0800	GF	W	Residential	65	60	42	42	42	43	41	41	43	43	1.2	-0.2	No
R0802	GF	S	Residential	65	60	50	49	50	51	49	49	52	51	0.3	-0.9	No
R0803	GF	N	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.3	No
R0804	GF	N	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R0805	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.3	No
R0807	GF	E	Residential	65	60	45	45	45	46	44	44	46	46	1.2	0.1	No
R0807	F 1	E	Residential	65	60	47	47	47	49	46	47	48	49	1.3	0.2	No
R0808	GF	N	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R0811	GF	S	Residential	65	60	43	44	44	45	42	43	45	45	1.7	0.5	No
R0811	F 1	S	Residential	65	60	48	48	48	50	47	48	49	50	1.6	0.3	No
R0812	GF	NE	Residential	65	60	48	48	49	50	48	48	50	50	0.9	-0.5	No
R0814	GF	SE	Residential	65	60	47	47	47	48	46	46	48	48	1.2	0	No
R0815	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.5	0.3	No
R0816	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0.1	No
R0816	F 1	S	Residential	65	60	48	48	48	50	48	48	50	50	1.4	-0.1	No
R0817	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	0.8	-0.5	No
R0817	F 1	E	Residential	65	60	51	51	51	52	50	50	53	52	1	-0.4	No
R0819	GF	E	Residential	65	60	44	45	45	46	44	45	46	46	1.6	0.4	No
R0820	GF	S	Residential	65	60	40	40	40	42	39	40	41	42	1.8	0.5	No
R0820	F 1	S	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0821	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.3	No
R0822	GF	SE	Residential	65	60	47	47	47	48	46	46	48	48	1.2	-0.1	No
R0823	GF	N	Residential	65	60	46	46	47	48	46	46	48	48	1.2	-0.1	No
R0823	F 1	N	Residential	65	60	48	48	49	50	48	48	50	50	1.3	-0.1	No
R0825	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R0825	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.2	-0.1	No
R0826	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.1	No
R0827	GF	E	Residential	65	60	41	41	41	43	40	41	42	43	1.8	0.6	No
R0827	F 1	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.3	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0828	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.4	No
R0829	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.4	No
R0831	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.4	No
R0832	GF	N	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.3	No
R0833	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	-0.1	No
R0834	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.3	No
R0835	GF	S	Residential	65	60	47	47	47	48	46	46	48	48	1.1	-0.2	No
R0838	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R0839	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.4	No
R0840	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R0841	GF	NE	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.2	No
R0843	GF	SE	Residential	65	60	47	47	48	49	46	47	49	49	1.1	-0.2	No
R0844	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.7	0.5	No
R0845	GF	N	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.3	No
R0846	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R0847	GF	N	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.2	No
R0849	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.7	0.4	No
R0850	GF	SE	Residential	65	60	52	51	52	52	51	50	53	52	0.4	-1	No
R0851	GF	NE	Active recreation	65	65	52	51	52	53	51	51	53	53	0.5	-0.8	No
R0855	GF	NE	Residential	65	60	53	52	53	54	52	52	55	54	0.4	-0.8	No
R0856	GF	SE	Residential	65	60	48	47	48	49	47	47	49	49	0.7	-0.5	No
R0857	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.5	0.1	No
R0859	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.3	No
R0860	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.5	0.2	No
R0860	F 1	E	Residential	65	60	52	52	52	53	51	51	53	53	1	-0.3	No
R0863	GF	E	Residential	65	60	46	46	46	47	45	46	47	47	1.3	0	No
R0864	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R0865	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R0867	GF	N	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.3	No
R0868	GF	SE	Residential	65	60	45	46	46	47	44	45	47	47	1.3	0	No
R0869	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1.3	0	No
R0871	GF	E	Residential	65	60	45	46	46	48	45	46	47	47	1.6	0.2	No
R0872	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0873	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.8	0.6	No
R0874	GF	NE	Residential	65	60	46	46	47	48	46	46	48	48	1.3	0	No
R0875	GF	NE	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R0876	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R0878	GF	NW	Residential	65	60	41	41	41	43	40	41	43	43	1.4	0.1	No
R0878	F 1	NW	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.2	No
R0879	GF	SE	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0	No
R0879	F 1	SE	Residential	65	60	49	49	49	50	48	48	50	50	1.2	-0.3	No
R0880	GF	S	Residential	65	60	46	46	47	48	46	46	48	48	0.9	-0.3	No
R0881	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0882	GF	NE	Residential	65	60	47	47	47	48	46	47	48	48	1.2	0	No
R0882	F 1	NE	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.3	No
R0883	GF	NE	Residential	65	60	51	51	52	52	50	50	53	52	0.5	-0.7	No
R0883	F 1	NE	Residential	65	60	52	51	52	53	51	51	53	53	0.7	-0.6	No
R0884	GF	S	Residential	65	60	45	46	46	47	44	45	47	47	1.5	0.2	No
R0885	GF	SE	Residential	65	60	49	49	49	50	48	48	50	50	1	-0.3	No
R0886	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0891	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0893	GF	N	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.2	No
R0894	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.2	-0.1	No
R0894	F 1	N	Residential	65	60	48	49	49	50	48	48	50	50	1.3	0	No
R0895	GF	E	Residential	65	60	45	45	45	46	45	45	47	47	1.5	0	No
R0895	F 1	E	Residential	65	60	46	46	46	48	46	46	48	48	1.7	0.2	No
R0895	F 2	E	Residential	65	60	48	48	48	50	47	48	50	50	1.7	0.3	No
R0895	F 3	E	Residential	65	60	50	51	51	53	50	51	52	53	1.8	0.4	No
R0897	GF	E	Residential	65	60	43	44	44	45	43	44	45	45	1.6	0.3	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0899	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.1	No
R0900	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R0902	GF	E	Residential	65	60	43	44	44	46	43	44	45	46	1.7	0.4	No
R0902	F 1	E	Residential	65	60	49	49	49	51	48	49	51	51	1.4	0.1	No
R0905	GF	SE	Residential	65	60	53	52	53	54	52	52	55	54	0.3	-0.9	No
R0906	GF	S	Residential	65	60	45	45	45	46	44	45	46	46	1.4	0	No
R0908	GF	S	Residential	65	60	49	48	49	50	48	48	50	50	0.7	-0.6	No
R0909	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.2	-0.1	No
R0911	GF	S	Residential	65	60	43	44	44	46	43	44	45	46	1.8	0.5	No
R0911	F 1	S	Residential	65	60	49	49	50	51	48	49	51	51	1.3	0	No
R0914	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	1.4	0	No
R0914	F 1	E	Residential	65	60	51	51	51	53	51	51	53	53	1.2	-0.3	No
R0916	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0	No
R0916	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1.3	-0.1	No
R0916	F 2	E	Residential	65	60	50	50	50	51	49	50	51	51	1.5	0.1	No
R0917	GF	S	Residential	65	60	48	48	48	49	47	48	49	49	1.5	0.2	No
R0917	F 1	S	Residential	65	60	50	50	50	51	49	49	52	51	1.2	-0.1	No
R0918	GF	N	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.2	No
R0918	F 1	N	Residential	65	60	49	49	49	51	48	49	51	51	1.4	-0.1	No
R0919	GF	E	Residential	65	60	46	46	46	48	45	46	48	48	1.6	0.3	No
R0920	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.5	0.2	No
R0921	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.1	No
R0921	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.3	No
R0923	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	0.9	-0.2	No
R0924	GF	E	Residential	65	60	43	43	43	45	42	43	44	45	1.7	0.5	No
R0925	GF	SE	Residential	65	60	49	49	50	51	48	49	51	51	1	-0.4	No
R0926	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.4	No
R0927	GF	N	Residential	65	60	47	47	48	49	47	47	49	49	1	-0.3	No
R0928	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.1	-0.2	No
R0933	GF	SE	Residential	65	60	53	52	53	53	52	51	54	53	0.4	-0.8	No
R0935	GF	E	Residential	65	60	44	45	44	46	43	44	46	46	1.8	0.5	No
R0936	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R0937	GF	E	Residential	65	60	39	40	40	42	39	40	41	42	1.8	0.6	No
R0940	GF	S	Residential	65	60	47	47	48	49	47	47	49	49	1	-0.2	No
R0941	GF	N	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R0942	GF	N	Residential	65	60	47	48	48	49	47	47	49	49	1.5	0.1	No
R0943	GF	N	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0	No
R0943	F 1	N	Residential	65	60	47	47	48	49	47	47	49	49	1.2	-0.2	No
R0943	F 2	N	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0.1	No
R0945	GF	E	Residential	65	60	48	48	49	50	48	48	50	50	1.2	-0.1	No
R0947	GF	S	Residential	65	60	44	45	45	46	43	44	46	46	1.7	0.4	No
R0948	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.7	0.4	No
R0949	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	1.1	-0.1	No
R0949	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.2	0	No
R0950	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R0951	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R0953	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.3	No
R0954	GF	N	Residential	65	60	44	45	44	46	43	44	46	46	1.6	0.3	No
R0956	GF	E	Residential	65	60	44	44	44	46	43	44	46	46	1.5	0.3	No
R0958	GF	E	Residential	65	60	45	46	46	48	45	46	47	47	1.7	0.3	No
R0959	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.7	0.4	No
R0959	F 1	E	Residential	65	60	51	51	51	52	50	50	52	52	1.1	-0.2	No
R0961	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.3	0	No
R0964	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.5	0.3	No
R0964	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1.4	0.1	No
R0964	F 2	E	Residential	65	60	48	49	49	50	48	48	50	50	1.5	0.1	No
R0965	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.3	No
R0966	GF	E	Residential	65	60	46	47	47	48	46	47	48	48	1.7	0.2	No
R0968	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.3	0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R0968	F 1	E	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0	No
R0969	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.4	No
R0972	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.7	0.3	No
R0972	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0	No
R0973	GF	S	Residential	65	60	47	47	48	48	46	46	49	48	0.8	-0.4	No
R0974	GF	N	Residential	65	60	46	47	47	48	46	47	48	48	1.6	0.3	No
R0976	GF	SE	Residential	65	60	52	52	53	53	52	51	54	53	0.3	-1	No
R0977	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.6	0.3	No
R0978	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.7	0.4	No
R0979	GF	E	Residential	65	60	47	47	48	49	47	47	49	49	1.4	0.1	No
R0980	GF	N	Residential	65	60	47	48	48	49	47	47	49	49	1.2	0	No
R0982	GF	SE	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R0983	GF	E	Residential	65	60	42	43	42	44	41	42	44	44	1.8	0.5	No
R0983	F 1	E	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.4	No
R0984	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R0984	F 1	E	Residential	65	60	50	50	50	51	49	50	52	51	1.1	-0.2	No
R0985	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R0986	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	1.3	0	No
R0986	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.3	0	No
R0986	F 2	E	Residential	65	60	50	51	51	52	50	50	52	52	1.3	0	No
R0987	GF	N	Residential	65	60	47	47	47	48	46	46	48	48	1.3	-0.1	No
R0990	GF	N	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.2	No
R0991	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R0991	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R0994	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.3	0	No
R0994	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.2	0	No
R0995	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R0996	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.3	0	No
R0997	GF	S	Residential	65	60	45	45	45	47	44	45	46	47	1.6	0.4	No
R1000	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R1001	GF	E	Residential	65	60	45	46	46	47	45	46	47	47	1.6	0.3	No
R1002	GF	S	Residential	65	60	48	49	49	50	48	48	50	50	1.4	0	No
R1002	F 1	S	Residential	65	60	50	50	50	52	49	50	52	52	1.2	-0.1	No
R1003	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1003	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R1007	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R1009	GF	N	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.4	No
R1011	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R1012	GF	NE	Residential	65	60	53	53	54	54	52	52	55	54	0.6	-0.7	No
R1013	GF	E	Residential	65	60	49	49	50	50	48	48	51	50	0.6	-0.7	No
R1014	GF	S	Residential	65	60	44	45	44	46	43	44	46	46	1.7	0.4	No
R1016	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.2	No
R1018	GF	N	Residential	65	60	44	45	45	46	43	44	46	46	1.8	0.4	No
R1018	F 1	N	Residential	65	60	50	51	51	52	50	50	52	52	1.3	0	No
R1019	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.8	0.6	No
R1020	GF	W	Residential	65	60	44	44	44	46	43	44	45	46	1.7	0.4	No
R1021	GF	E	Residential	65	60	47	48	48	49	47	48	49	49	1.5	0.2	No
R1022	GF	N	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R1023	GF	S	Residential	65	60	46	46	46	48	45	46	47	48	1.4	0.1	No
R1023	F 1	S	Residential	65	60	51	51	51	52	50	50	52	52	1.1	-0.2	No
R1024	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0	No
R1024	F 1	E	Residential	65	60	52	52	52	54	52	52	54	54	1.3	-0.2	No
R1024	F 2	E	Residential	65	60	53	53	53	55	53	53	55	55	1.3	0	No
R1027	GF	SE	Residential	65	60	47	47	48	49	47	47	49	49	1.3	-0.1	No
R1028	GF	N	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R1029	GF	E	Residential	65	60	48	48	49	50	48	48	50	50	1	-0.3	No
R1031	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.3	-0.1	No
R1032	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1033	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1033	F 1	E	Residential	65	60	50	50	50	51	49	49	52	51	1.2	-0.2	No
R1034	GF	SE	Residential	65	60	54	53	54	55	53	53	55	55	0.5	-0.7	No
R1035	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R1036	GF	SE	Residential	65	60	46	46	46	47	45	46	48	47	1.2	-0.1	No
R1036	F 1	SE	Residential	65	60	49	49	49	50	48	49	50	50	1.3	-0.1	No
R1036	F 2	SE	Residential	65	60	50	51	51	52	50	50	52	52	1.4	0	No
R1039	GF	E	Residential	65	60	43	44	44	46	43	44	45	46	1.7	0.5	No
R1042	GF	N	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.2	No
R1043	GF	E	Residential	65	60	53	53	54	54	53	52	55	54	0.6	-0.6	No
R1044	GF	E	Residential	65	60	44	45	45	46	44	45	46	46	1.6	0.4	No
R1045	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R1045	F 1	E	Residential	65	60	50	50	50	51	49	50	52	52	1.1	-0.1	No
R1047	GF	E	Residential	65	60	48	48	48	49	47	47	50	49	0.9	-0.3	No
R1048	GF	E	Residential	65	60	49	49	49	50	48	49	51	50	1.3	-0.1	No
R1048	F 1	E	Residential	65	60	52	52	53	54	52	52	54	54	1.2	-0.1	No
R1048	F 2	E	Residential	65	60	53	53	53	55	53	53	55	55	1.3	0	No
R1049	GF	E	Residential	65	60	46	46	46	47	45	45	47	47	1.4	0	No
R1049	F 1	E	Residential	65	60	49	49	49	50	49	49	51	50	1.2	-0.3	No
R1050	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.7	0.4	No
R1050	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.2	-0.1	No
R1052	GF	SE	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0	No
R1053	GF	E	Residential	65	60	53	53	54	54	53	52	55	54	0.6	-0.7	No
R1054	GF	E	Residential	65	60	42	42	42	44	41	42	43	44	1.5	0.2	No
R1054	F 1	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.3	No
R1055	GF	SE	Residential	65	60	47	47	47	48	47	46	48	48	1.3	-0.2	No
R1055	F 1	SE	Residential	65	60	48	48	48	50	48	48	50	50	1.6	0.1	No
R1055	F 2	SE	Residential	65	60	50	50	50	52	50	50	52	52	1.7	0.3	No
R1055	F 3	SE	Residential	65	60	52	52	52	54	51	52	54	54	1.8	0.4	No
R1057	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.1	No
R1058	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.2	No
R1058	F 1	E	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.1	No
R1059	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.8	0.5	No
R1060	GF	E	Residential	65	60	53	53	54	54	52	52	55	54	0.6	-0.7	No
R1061	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.3	No
R1062	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0.1	No
R1062	F 1	N	Residential	65	60	52	52	53	54	52	52	54	54	1.3	-0.1	No
R1062	F 2	N	Residential	65	60	53	53	53	55	53	53	55	55	1.4	0	No
R1063	GF	E	Residential	65	60	48	48	48	49	47	48	49	49	1.3	0	No
R1064	GF	E	Residential	65	60	48	48	49	50	48	48	50	50	1.3	-0.1	No
R1064	F 1	E	Residential	65	60	52	52	52	54	52	52	54	54	1.3	-0.2	No
R1064	F 2	E	Residential	65	60	53	53	54	55	53	53	55	55	1.2	-0.1	No
R1065	GF	S	Residential	65	60	51	50	51	52	50	49	52	51	0.3	-1	No
R1066	GF	E	Residential	65	60	53	53	54	54	52	52	55	54	0.5	-0.8	No
R1067	GF	S	Residential	65	60	47	47	47	48	46	47	48	48	1.3	-0.1	No
R1068	GF	N	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.4	No
R1070	GF	S	Residential	65	60	43	44	44	45	42	43	45	45	1.7	0.5	No
R1071	GF	SE	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R1071	F 1	SE	Residential	65	60	52	52	52	53	51	52	54	53	1.3	-0.2	No
R1072	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.4	0.1	No
R1072	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R1074	GF	E	Residential	65	60	50	50	51	52	49	50	52	52	0.9	-0.4	No
R1078	GF	E	Residential	65	60	43	44	44	45	42	43	45	45	1.7	0.5	No
R1078	F 1	E	Residential	65	60	48	48	49	50	48	48	50	50	1.3	-0.1	No
R1079	GF	E	Residential	65	60	51	51	52	52	51	50	53	52	0.5	-0.7	No
R1082	GF	N	Residential	65	60	51	51	52	52	50	50	53	52	0.6	-0.7	No
R1082	F 1	N	Residential	65	60	51	51	52	53	51	51	53	52	0.7	-0.6	No
R1083	GF	E	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0	No
R1084	GF	E	Residential	65	60	44	45	44	46	43	44	45	46	1.7	0.5	No
R1091	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1092	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R1093	GF	N	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.3	No
R1094	GF	E	Residential	65	60	48	48	49	50	48	48	50	50	1.3	0	No
R1095	GF	N	Residential	65	60	46	47	47	48	46	46	48	48	1.2	0	No
R1097	GF	SE	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R1101	GF	N	Residential	65	60	48	48	49	50	47	48	50	49	1	-0.4	No
R1102	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.7	0.4	No
R1104	GF	S	Residential	65	60	46	47	47	48	45	46	48	48	1.4	0.1	No
R1107	GF	N	Residential	65	60	47	47	48	49	46	47	49	49	1	-0.2	No
R1108	GF	E	Residential	65	60	53	52	53	54	52	52	54	54	0.6	-0.8	No
R1116	GF	SE	Residential	65	60	47	48	48	49	47	47	49	49	1.3	0	No
R1117	GF	S	Residential	65	60	47	48	48	49	47	47	49	49	1.5	0.2	No
R1119	GF	S	Residential	65	60	46	46	46	47	45	46	47	47	1.4	0.2	No
R1119	F 1	S	Residential	65	60	50	50	50	51	49	49	51	51	1.2	-0.1	No
R1120	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.2	No
R1120	F 1	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R1121	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R1124	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.3	No
R1125	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.6	0.4	No
R1127	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.5	0.2	No
R1127	F 1	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.2	No
R1128	GF	E	Residential	65	60	49	49	49	50	48	49	50	50	1.3	0	No
R1130	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.2	No
R1132	GF	S	Residential	65	60	48	49	49	50	48	48	50	50	1.4	0	No
R1133	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.7	0.4	No
R1133	F 1	E	Residential	65	60	49	49	49	51	48	49	50	51	1.4	0.1	No
R1135	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.5	0.2	No
R1135	F 1	E	Residential	65	60	51	51	52	53	51	51	53	53	1.2	-0.2	No
R1137	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.5	0.2	No
R1139	GF	N	Residential	65	60	47	47	48	49	47	47	49	49	1.1	-0.2	No
R1140	GF	E	Residential	65	60	45	45	45	47	44	45	46	47	1.8	0.5	No
R1142	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R1143	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.7	0.5	No
R1144	GF	W	Residential	65	60	42	43	43	44	42	42	44	44	1.2	-0.1	No
R1144	F 1	W	Residential	65	60	49	49	49	51	48	49	50	51	1.6	0.3	No
R1146	GF	SE	Residential	65	60	49	49	49	50	48	49	50	50	1.4	0	No
R1147	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.6	0.4	No
R1148	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.6	0.3	No
R1148	F 1	E	Residential	65	60	52	52	52	53	51	51	53	53	1.3	0	No
R1149	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R1152	GF	E	Residential	65	60	53	52	53	54	52	52	54	54	0.6	-0.8	No
R1152	F 1	E	Residential	65	60	53	53	54	54	52	52	55	54	0.7	-0.6	No
R1153	GF	SE	Residential	65	60	48	48	48	50	47	48	49	50	1.5	0.1	No
R1154	GF	E	Residential	65	60	49	49	50	51	49	49	51	51	1.3	0	No
R1156	GF	E	Residential	65	60	44	44	44	46	43	44	45	46	1.5	0.3	No
R1156	F 1	E	Residential	65	60	48	48	49	50	47	48	50	50	1.2	-0.1	No
R1158	GF	S	Residential	65	60	41	42	42	43	40	41	43	43	1.8	0.5	No
R1158	F 1	S	Residential	65	60	48	48	49	50	47	48	50	50	1.2	-0.1	No
R1160	GF	S	Residential	65	60	47	47	48	49	47	47	49	49	1.3	0	No
R1161	GF	E	Residential	65	60	49	50	50	51	49	49	51	51	1.3	-0.1	No
R1163	GF	E	Residential	65	60	49	49	50	51	48	49	51	51	1.3	0	No
R1166	GF	W	Residential	65	60	41	41	42	43	40	41	43	43	1.3	0	No
R1166	F 1	W	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.3	No
R1168	GF	SE	Residential	65	60	49	49	49	51	48	49	51	51	1.4	0.1	No
R1171	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.7	0.5	No
R1171	F 1	E	Residential	65	60	48	49	49	50	48	48	50	50	1.4	0.1	No
R1172	GF	NE	Residential	65	60	50	50	50	51	49	49	51	51	1.3	0	No
R1174	GF	E	Residential	65	60	45	46	46	47	44	45	47	47	1.6	0.4	No
R1174	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1175	GF	S	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.4	No
R1175	F 1	S	Residential	65	60	47	48	48	49	46	47	49	49	1.6	0.3	No
R1176	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.4	No
R1176	F 1	E	Residential	65	60	51	51	51	52	50	50	52	52	1.3	0	No
R1177	GF	E	Residential	65	60	46	47	47	49	46	47	48	49	1.6	0.4	No
R1178	GF	S	Residential	65	60	49	49	49	51	48	49	51	51	1.2	-0.1	No
R1178	F 1	S	Residential	65	60	50	51	51	52	50	50	52	52	1.2	-0.1	No
R1179	GF	S	Commercial	70	70	48	48	48	50	47	48	50	50	1.6	0.3	No
R1180	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.7	0.4	No
R1180	F 1	E	Residential	65	60	51	51	51	52	50	51	52	52	1.4	0	No
R1181	GF	E	Residential	65	60	49	49	50	51	49	49	51	51	1.3	0.1	No
R1182	GF	N	Residential	65	60	53	53	54	54	53	52	55	54	0.5	-0.8	No
R1182	F 1	N	Residential	65	60	54	53	54	55	53	53	55	55	0.7	-0.7	No
R1183	GF	S	Residential	65	60	48	48	49	50	48	48	50	50	0.8	-0.5	No
R1184	GF	E	Residential	65	60	49	49	50	51	48	49	51	51	1.3	-0.1	No
R1185	GF	E	Residential	65	60	50	50	50	52	50	50	52	52	1.3	0	No
R1186	GF	S	Residential	65	60	41	41	42	43	40	41	43	43	1.3	0	No
R1186	F 1	S	Residential	65	60	42	42	43	44	41	42	44	44	1.2	-0.1	No
R1187	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R1188	GF	E	Residential	65	60	49	49	49	50	48	48	50	50	1.3	-0.1	No
R1189	GF	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0	No
R1191	GF	W	Residential	65	60	41	41	41	42	40	40	43	42	1	-0.3	No
R1191	F 1	W	Residential	65	60	42	42	43	44	42	42	44	44	1.1	-0.3	No
R1191	F 2	W	Residential	65	60	42	42	43	44	42	42	44	44	1.1	-0.3	No
R1191	F 3	W	Residential	65	60	42	43	43	44	42	42	44	44	1.6	0.3	No
R1192	GF	NE	Residential	65	60	48	48	48	49	47	47	49	49	1.1	-0.2	No
R1193	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R1193	F 1	E	Residential	65	60	50	50	51	52	50	50	52	52	1.3	-0.1	No
R1195	GF	E	Residential	65	60	52	52	53	53	52	51	54	53	0.6	-0.8	No
R1198	GF	S	Residential	65	60	48	48	48	49	47	47	49	49	1.1	-0.2	No
R1200	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.5	0.2	No
R1200	F 1	E	Residential	65	60	50	51	51	52	50	50	52	52	1.1	-0.3	No
R1201	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.7	0.4	No
R1202	GF	E	Residential	65	60	50	50	51	51	49	49	52	51	0.7	-0.5	No
R1203	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.7	0.4	No
R1205	GF	E	Residential	65	60	49	49	49	50	48	49	50	50	1.4	0	No
R1208	GF	E	Residential	65	60	48	49	49	51	48	49	50	51	1.6	0.3	No
R1212	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.3	-0.1	No
R1213	GF	SE	Residential	65	60	50	50	50	51	49	49	51	51	1.3	-0.2	No
R1213	F 1	SE	Residential	65	60	51	51	51	53	51	51	53	53	1.5	0.2	No
R1213	F 2	SE	Residential	65	60	52	53	53	54	52	52	54	54	1.7	0.3	No
R1215	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R1217	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R1217	F 1	E	Residential	65	60	50	50	50	52	49	50	52	52	1.2	-0.2	No
R1220	GF	NE	Residential	65	60	48	48	48	50	47	48	50	50	1.2	-0.1	No
R1221	GF	N	Residential	65	60	47	48	48	49	47	48	49	49	1.5	0.2	No
R1223	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.4	No
R1227	GF	N	Residential	65	60	38	39	38	40	37	38	40	40	1.9	0.6	No
R1227	F 1	N	Residential	65	60	40	40	40	42	39	40	41	42	2	0.6	No
R1228	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.5	0.3	No
R1230	GF	E	Residential	65	60	51	51	51	52	50	50	53	52	1.1	-0.3	No
R1231	GF	S	Residential	65	60	47	48	48	49	46	47	49	49	1.4	0	No
R1233	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.3	0	No
R1234	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.2	No
R1237	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.4	No
R1238	GF	E	Residential	65	60	45	46	46	48	45	46	47	48	1.7	0.4	No
R1238	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.1	-0.2	No
R1239	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.7	0.4	No
R1239	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	1.2	-0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1239	F 2	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R1240	GF	S	Residential	65	60	48	48	48	49	47	47	49	49	1.1	-0.2	No
R1241	GF	E	Residential	65	60	50	50	50	51	49	50	52	51	1.3	-0.2	No
R1248	GF	E	Residential	65	60	52	52	53	53	51	51	54	53	0.7	-0.5	No
R1249	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.5	0.2	No
R1250	GF	E	Residential	65	60	50	50	51	52	50	50	52	52	1.2	-0.1	No
R1251	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.5	0.3	No
R1252	GF	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R1253	GF	NE	Residential	65	60	49	49	49	50	48	48	50	50	1.2	-0.1	No
R1254	GF	E	Residential	65	60	47	48	48	50	47	48	49	50	1.6	0.3	No
R1256	GF	E	Residential	65	60	51	51	51	52	50	50	52	52	1.2	-0.2	No
R1259	GF	E	Residential	65	60	47	47	48	49	46	47	49	49	1	-0.3	No
R1260	GF	S	Residential	65	60	48	49	49	50	48	49	50	50	1.4	0.2	No
R1260	F 1	S	Residential	65	60	51	51	51	52	50	50	52	52	1.3	0	No
R1261	GF	N	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.2	No
R1261	F 1	N	Residential	65	60	50	51	51	52	50	50	52	52	1.4	0.1	No
R1262	GF	E	Residential	65	60	50	51	51	52	50	50	52	52	1.3	-0.1	No
R1263	GF	E	Residential	65	60	49	50	50	51	49	49	51	51	1.1	-0.2	No
R1265	GF	E	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0	No
R1267	GF	E	Residential	65	60	48	49	49	50	47	48	50	50	1.6	0.3	No
R1267	F 1	E	Residential	65	60	53	53	53	54	52	52	54	54	1.2	-0.1	No
R1270	GF	NW	Residential	65	60	48	48	48	50	47	48	50	50	1.3	0	No
R1270	F 1	NW	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.2	No
R1272	GF	E	Residential	65	60	47	48	48	49	47	48	49	49	1.6	0.3	No
R1273	GF	E	Residential	65	60	41	42	41	43	40	42	43	43	2	0.7	No
R1273	F 1	E	Residential	65	60	44	45	44	46	43	44	45	46	1.9	0.6	No
R1274	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.3	No
R1275	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.6	0.3	No
R1276	GF	E	Residential	65	60	46	46	47	48	45	46	48	48	1.3	0.1	No
R1276	F 1	E	Residential	65	60	48	48	48	49	47	47	49	49	1.3	0.1	No
R1277	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.2	No
R1277	F 1	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R1280	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	-0.1	No
R1282	GF	SE	Residential	65	60	51	51	51	53	50	51	53	53	1.4	0	No
R1285	GF	S	Residential	65	60	48	48	48	49	47	47	50	49	1.1	-0.2	No
R1286	GF	E	Residential	65	60	44	45	45	46	43	44	46	46	1.4	0.2	No
R1286	F 1	E	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R1288	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.6	0.3	No
R1288	F 1	E	Residential	65	60	52	52	52	54	51	52	54	54	1.3	-0.1	No
R1290	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.5	0.1	No
R1290	F 1	E	Residential	65	60	49	49	49	51	48	49	50	50	1.4	0	No
R1290	F 2	E	Residential	65	60	50	51	51	52	50	50	52	52	1.4	0.2	No
R1290	F 3	E	Residential	65	60	52	52	52	54	51	52	54	54	1.4	0.1	No
R1291	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1291	F 1	E	Residential	65	60	52	52	52	53	51	51	53	53	1.3	-0.1	No
R1292	GF	E	Residential	65	60	50	50	50	52	49	50	52	52	1.4	0	No
R1293	GF	SE	Residential	65	60	50	50	51	52	50	50	52	52	1.4	0	No
R1294	GF	NE	Residential	65	60	51	51	51	52	50	50	52	52	1.2	-0.2	No
R1295	GF	SE	Residential	65	60	52	53	53	54	52	52	54	54	1.3	-0.1	No
R1295	F 1	SE	Residential	65	60	54	55	55	56	54	54	56	56	1.5	0.1	No
R1298	GF	S	Residential	65	60	51	51	51	52	50	50	53	52	0.7	-0.6	No
R1299	GF	N	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1302	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.6	0.4	No
R1303	GF	E	Residential	65	60	41	42	41	43	40	41	42	43	1.9	0.6	No
R1303	F 1	E	Residential	65	60	44	45	44	46	43	44	46	46	1.9	0.5	No
R1303	F 2	E	Residential	65	60	49	49	49	51	48	49	50	51	1.7	0.4	No
R1304	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R1307	GF	N	Residential	65	60	50	50	50	52	49	50	52	52	1.3	0	No
R1308	GF	E	Residential	65	60	50	51	51	52	50	50	52	52	1.3	-0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1309	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	0	No
R1312	GF	S	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0	No
R1313	GF	E	Residential	65	60	50	50	51	52	50	50	52	52	1	-0.2	No
R1313	F 1	E	Residential	65	60	54	54	55	56	54	54	56	56	1	-0.3	No
R1313	F 2	E	Residential	65	60	56	56	57	57	56	56	58	57	0.8	-0.5	No
R1315	GF	E	Residential	65	60	47	48	47	49	46	47	49	49	1.6	0.4	No
R1317	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.4	No
R1323	GF	E	Residential	65	60	50	50	50	52	49	50	52	52	1.3	-0.1	No
R1324	GF	S	Residential	65	60	48	48	49	50	47	48	50	50	1.3	0	No
R1325	GF	E	Residential	65	60	51	51	51	52	50	50	52	52	1.2	-0.1	No
R1325	F 1	E	Residential	65	60	55	55	55	57	55	55	57	57	1.2	-0.2	No
R1326	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1329	GF	S	Residential	65	60	50	50	51	52	50	50	52	51	0.6	-0.7	No
R1331	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.3	0	No
R1331	F 1	E	Residential	65	60	55	55	55	57	55	55	57	57	1.3	0	No
R1332	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	0	No
R1333	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.6	0.3	No
R1334	GF	E	Residential	65	60	53	52	53	54	52	52	54	54	0.5	-0.7	No
R1334	F 1	E	Residential	65	60	54	54	55	56	54	54	56	56	0.8	-0.5	No
R1334	F 2	E	Residential	65	60	56	56	57	58	56	56	58	58	0.8	-0.4	No
R1335	GF	E	Residential	65	60	50	50	51	52	49	50	52	52	1	-0.3	No
R1335	F 1	E	Residential	65	60	54	54	54	55	53	53	56	55	0.9	-0.5	No
R1335	F 2	E	Residential	65	60	56	56	57	58	56	56	58	58	0.8	-0.5	No
R1336	GF	S	Residential	65	60	47	48	48	49	47	47	49	49	1.4	0.1	No
R1337	GF	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0	No
R1338	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	-0.1	No
R1339	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.4	No
R1340	GF	E	Residential	65	60	50	50	50	51	49	49	52	51	1.2	-0.2	No
R1342	GF	NE	Residential	65	60	52	52	52	53	51	51	54	53	0.8	-0.5	No
R1345	GF	E	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.2	No
R1347	GF	E	Residential	65	60	50	50	51	52	50	50	52	52	1	-0.3	No
R1349	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.8	0.4	No
R1351	GF	E	Residential	65	60	45	46	45	47	44	45	47	47	1.7	0.5	No
R1354	GF	E	Residential	65	60	49	49	50	51	49	49	51	51	1.1	-0.2	No
R1356	GF	S	Residential	65	60	51	51	52	52	50	50	53	52	0.8	-0.4	No
R1359	GF	E	Residential	65	60	51	51	51	52	51	51	53	53	1	-0.4	No
R1361	GF	E	Residential	65	60	50	50	50	52	49	50	52	52	1.5	0.2	No
R1362	GF	S	Residential	65	60	43	44	44	45	42	43	45	45	1.7	0.3	No
R1362	F 1	S	Residential	65	60	46	46	46	48	45	46	47	48	1.6	0.3	No
R1363	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.3	No
R1363	F 1	S	Residential	65	60	50	50	50	52	49	50	52	52	1.2	0	No
R1364	GF	E	Residential	65	60	48	49	49	50	47	48	50	50	1.5	0.2	No
R1364	F 1	E	Residential	65	60	53	53	53	55	52	53	55	55	1.2	-0.2	No
R1365	GF	E	Residential	65	60	43	44	44	46	43	44	45	46	1.9	0.5	No
R1369	GF	E	Residential	65	60	53	52	53	54	52	52	54	54	0.7	-0.6	No
R1371	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.7	0.5	No
R1371	F 1	E	Residential	65	60	49	49	49	51	48	49	51	51	1.6	0.2	No
R1372	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	0.9	-0.4	No
R1373	GF	N	Residential	65	60	51	51	51	53	50	51	52	53	1.4	0.1	No
R1373	F 1	N	Residential	65	60	52	53	53	54	52	52	54	54	1.3	0	No
R1374	GF	SE	Residential	65	60	54	54	54	55	53	53	55	55	1.3	-0.1	No
R1374	F 1	SE	Residential	65	60	55	55	55	57	55	55	57	57	1.4	0	No
R1375	GF	E	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0	No
R1375	F 1	E	Residential	65	60	54	54	54	55	53	53	55	55	1.1	-0.2	No
R1376	GF	E	Residential	65	60	49	49	49	51	48	49	50	51	1.5	0.2	No
R1377	GF	E	Residential	65	60	53	52	53	54	52	52	55	54	0.7	-0.7	No
R1378	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.4	0	No
R1380	GF	E	Residential	65	60	51	51	52	53	51	51	53	53	1.1	-0.3	No
R1381	GF	E	Residential	65	60	44	45	45	47	44	45	46	47	1.8	0.5	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1384	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.3	No
R1385	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.6	0.3	No
R1387	GF	E	Residential	65	60	51	51	51	52	50	51	53	52	1.3	-0.1	No
R1388	GF	E	Residential	65	60	48	49	49	50	47	48	50	50	1.5	0.3	No
R1389	GF	E	Residential	65	60	52	52	52	53	52	52	54	53	1.1	-0.3	No
R1390	GF	SE	Residential	65	60	54	54	54	55	53	53	55	55	1.3	-0.1	No
R1390	F 1	SE	Residential	65	60	54	55	55	56	54	54	56	56	1.4	0	No
R1393	GF	N	Residential	65	60	51	51	51	53	50	51	53	53	1.3	-0.1	No
R1394	GF	SE	Residential	65	60	52	52	52	54	52	52	54	54	1.3	-0.2	No
R1395	GF	S	Residential	65	60	45	46	45	47	44	45	47	47	1.8	0.5	No
R1396	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.3	-0.2	No
R1397	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.2	-0.1	No
R1399	GF	E	Residential	65	60	53	53	53	54	52	52	55	54	1	-0.3	No
R1400	GF	E	Residential	65	60	47	48	48	49	46	47	49	49	1.6	0.3	No
R1401	GF	E	Residential	65	60	50	50	50	51	49	49	51	51	1.2	-0.1	No
R1404	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.4	No
R1405	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.5	0.2	No
R1406	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	1.2	-0.1	No
R1407	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.6	0.3	No
R1408	GF	SE	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R1410	GF	E	Residential	65	60	52	52	52	54	52	52	54	54	1.3	-0.1	No
R1411	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.8	0.5	No
R1413	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.6	0.3	No
R1414	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.7	0.4	No
R1415	GF	NE	Residential	65	60	51	52	52	53	51	51	53	53	1.1	-0.2	No
R1417	GF	S	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R1418	GF	N	Residential	65	60	51	51	51	53	50	51	53	53	1.5	0.1	No
R1419	GF	N	Residential	65	60	51	51	51	52	51	50	53	52	0.9	-0.5	No
R1420	GF	NE	Residential	65	60	51	51	52	53	51	51	53	53	1.2	-0.2	No
R1421	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R1422	GF	SE	Residential	65	60	51	51	52	53	51	51	53	53	1.2	-0.2	No
R1424	GF	E	Residential	65	60	52	52	53	53	52	51	54	53	0.4	-1	No
R1424	F 1	E	Residential	65	60	55	55	56	56	55	55	57	56	0.7	-0.6	No
R1425	GF	S	Residential	65	60	46	47	46	48	45	46	48	48	1.6	0.3	No
R1426	GF	E	Residential	65	60	47	48	47	49	46	47	49	49	1.7	0.4	No
R1426	F 1	E	Residential	65	60	51	52	52	53	51	51	53	53	1.3	0	No
R1427	GF	E	Residential	65	60	52	52	52	53	52	52	54	53	1.2	-0.2	No
R1428	GF	E	Residential	65	60	54	54	54	55	53	53	56	55	0.9	-0.3	No
R1429	GF	NE	Residential	65	60	52	52	53	53	51	51	54	53	0.6	-0.7	No
R1431	GF	S	Residential	65	60	46	47	47	49	46	47	48	49	1.7	0.4	No
R1431	F 1	S	Residential	65	60	50	50	50	52	49	50	51	52	1.5	0.2	No
R1431	F 2	S	Residential	65	60	51	52	52	53	51	51	53	53	1.5	0.2	No
R1433	GF	SE	Residential	65	60	54	53	54	55	53	53	55	55	0.7	-0.5	No
R1434	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1	-0.4	No
R1434	F 1	E	Residential	65	60	56	56	56	57	55	55	58	57	0.7	-0.6	No
R1437	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.3	No
R1437	F 1	E	Residential	65	60	52	52	52	53	51	52	53	53	1.3	0	No
R1438	GF	N	Residential	65	60	51	52	52	53	51	51	53	53	1.4	0	No
R1438	F 1	N	Residential	65	60	53	53	53	55	52	53	55	55	1.4	0	No
R1439	GF	S	Residential	65	60	43	44	43	45	42	43	45	45	1.8	0.5	No
R1439	F 1	S	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.4	No
R1439	F 2	S	Residential	65	60	51	51	51	53	50	51	53	53	1.6	0.3	No
R1441	GF	E	Residential	65	60	54	54	55	55	54	53	56	55	0.5	-0.8	No
R1447	GF	E	Residential	65	60	43	43	44	45	42	43	45	45	0.7	-0.4	No
R1447	F 1	E	Residential	65	60	46	46	47	47	45	46	48	48	0.9	0	No
R1448	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	1.1	-0.3	No
R1450	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	1.1	-0.3	No
R1451	GF	E	Residential	65	60	52	51	52	53	51	51	53	53	0.9	-0.4	No
R1452	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.5	0.3	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1453	GF	E	Residential	65	60	53	52	53	54	52	52	54	54	0.7	-0.6	No
R1455	GF	NE	Residential	65	60	54	54	55	55	54	53	56	55	0.4	-0.9	No
R1456	GF	E	Residential	65	60	48	48	48	50	47	48	50	50	1.6	0.2	No
R1457	GF	E	Residential	65	60	40	41	41	43	40	41	42	43	1.8	0.5	No
R1457	F 1	E	Residential	65	60	44	44	44	46	43	44	46	46	1.6	0.4	No
R1459	GF	N	Residential	65	60	52	52	52	53	51	51	54	53	0.9	-0.5	No
R1461	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.8	0.6	No
R1461	F 1	E	Residential	65	60	50	51	51	52	50	50	52	52	1.5	0.2	No
R1462	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.5	0.2	No
R1463	GF	E	Residential	65	60	51	51	52	53	51	51	53	53	1.4	0	No
R1464	GF	E	Active recreation	65	65	56	56	57	57	55	55	58	57	0.6	-0.7	No
R1464	F 1	E	Active recreation	65	65	56	56	57	58	56	56	58	58	0.6	-0.6	No
R1465	GF	E	Residential	65	60	54	53	54	55	53	53	55	55	0.6	-0.7	No
R1466	GF	E	Residential	65	60	40	41	41	42	39	40	42	42	1.8	0.6	No
R1466	F 1	E	Residential	65	60	42	43	43	44	41	43	44	44	1.7	0.5	No
R1466	F 2	E	Residential	65	60	47	47	47	49	46	47	49	49	1.4	0.1	No
R1466	F 3	E	Residential	65	60	49	49	49	51	48	49	51	51	1.4	0.1	No
R1469	GF	E	Residential	65	60	54	54	55	55	54	54	56	55	0.5	-0.8	No
R1471	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.7	0.3	No
R1471	F 1	E	Residential	65	60	51	52	52	53	50	51	53	53	1.3	0	No
R1472	GF	NE	Residential	65	60	54	53	54	55	53	53	56	55	0.4	-0.9	No
R1473	GF	E	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.4	No
R1473	F 1	E	Residential	65	60	43	44	44	46	43	44	45	46	1.7	0.4	No
R1473	F 2	E	Residential	65	60	46	47	47	48	45	46	48	48	1.6	0.4	No
R1473	F 3	E	Residential	65	60	49	49	49	51	48	49	50	51	1.6	0.3	No
R1474	GF	NE	Residential	65	60	53	53	54	54	53	52	55	54	0.3	-1	No
R1475	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.4	No
R1475	F 1	E	Residential	65	60	51	51	52	53	50	51	53	53	1.3	0.1	No
R1479	GF	S	Residential	65	60	53	53	53	54	52	52	55	54	0.7	-0.5	No
R1479	F 1	S	Residential	65	60	54	54	55	55	53	53	56	55	0.8	-0.5	No
R1480	GF	E	Residential	65	60	42	42	42	44	41	42	44	44	1.7	0.4	No
R1480	F 1	E	Residential	65	60	44	45	44	46	43	44	46	46	1.7	0.4	No
R1480	F 2	E	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.2	No
R1480	F 3	E	Residential	65	60	49	50	50	52	49	50	51	52	1.7	0.3	No
R1481	GF	E	Residential	65	60	53	53	53	54	52	52	54	54	0.9	-0.5	No
R1483	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.2	No
R1484	GF	E	Industrial	n/a	n/a	44	45	45	46	44	44	46	46	1.6	0.2	No
R1485	GF	E	Residential	65	60	50	50	51	52	49	50	52	52	1.2	-0.1	No
R1487	GF	E	Residential	65	60	49	49	49	50	48	48	50	50	1.3	0	No
R1490	GF	E	Residential	65	60	60	59	60	60	59	58	61	60	0.2	-1	No
R1490	F 1	E	Residential	65	60	60	59	60	61	59	59	62	61	0.6	-0.8	No
R1491	GF	E	Residential	65	60	54	54	54	55	53	53	55	55	1.2	0	No
R1492	GF	E	Residential	65	60	59	59	60	60	58	58	61	60	0.2	-1.1	No
R1494	GF	E	Residential	65	60	48	48	49	50	47	48	50	50	1.4	0.2	No
R1495	GF	S	Residential	65	60	53	53	54	54	52	52	55	54	0.5	-0.8	No
R1496	GF	E	Residential	65	60	53	54	54	55	53	53	55	55	1.2	-0.2	No
R1497	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.7	0.5	No
R1499	GF	N	Residential	65	60	46	46	46	48	45	46	47	48	1.7	0.5	No
R1503	GF	E	Residential	65	60	56	56	57	57	56	56	58	57	0.9	-0.4	No
R1505	GF	E	Residential	65	60	56	56	57	58	56	56	58	58	1.1	-0.2	No
R1506	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.6	0.4	No
R1506	F 1	E	Residential	65	60	54	54	54	56	53	54	56	56	1.3	0	No
R1508	GF	E	Residential	65	60	56	56	56	57	55	56	58	57	1	-0.4	No
R1509	GF	SE	Residential	65	60	55	55	55	57	54	55	57	57	1.4	0.1	No
R1510	GF	N	Residential	65	60	53	53	53	54	52	52	55	54	0.6	-0.6	No
R1512	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.6	0.3	No
R1512	F 1	E	Residential	65	60	54	54	54	56	53	54	56	56	1.2	-0.1	No
R1513	GF	E	Residential	65	60	47	48	47	49	46	47	49	49	1.7	0.5	No
R1516	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.6	0.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1516	F 1	E	Residential	65	60	53	54	54	55	53	53	55	55	1.2	-0.1	No
R1517	GF	S	Residential	65	60	52	52	53	54	52	52	54	54	0.9	-0.4	No
R1517	F 1	S	Residential	65	60	55	55	55	56	54	54	57	56	0.8	-0.4	No
R1519	GF	E	Residential	65	60	55	55	55	56	55	55	57	56	1	-0.4	No
R1522	GF	E	Residential	65	60	56	56	57	58	56	56	58	58	0.9	-0.5	No
R1524	GF	E	Residential	65	60	48	49	49	50	47	48	50	50	1.6	0.3	No
R1524	F 1	E	Residential	65	60	53	54	54	55	53	53	55	55	1.3	0	No
R1526	GF	E	Residential	65	60	55	54	55	56	54	54	56	56	1	-0.4	No
R1528	GF	E	Residential	65	60	46	47	46	48	45	46	48	48	1.7	0.5	No
R1528	F 1	E	Residential	65	60	53	53	54	55	53	53	55	55	1.2	-0.1	No
R1529	GF	E	Residential	65	60	47	48	47	49	46	47	49	49	1.8	0.5	No
R1530	GF	NE	Residential	65	60	56	55	56	57	55	55	58	57	0.2	-1.2	No
R1532	GF	S	Residential	65	60	49	50	50	51	49	49	51	51	1.3	0	No
R1533	GF	E	Residential	65	60	47	48	48	49	47	47	49	49	1.5	0.3	No
R1535	GF	E	Residential	65	60	55	54	55	56	54	54	56	56	0.9	-0.5	No
R1536	GF	E	Residential	65	60	55	55	55	56	54	54	56	56	0.9	-0.5	No
R1538	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.7	0.4	No
R1540	GF	E	Residential	65	60	57	57	57	58	56	57	59	58	0.9	-0.3	No
R1540	F 1	E	Residential	65	60	61	61	62	63	61	61	63	63	1.1	-0.2	No
R1540	F 2	E	Residential	65	60	63	64	64	65	62	63	65	65	1.3	0.1	No
R1540	F 3	E	Residential	65	60	63	64	64	65	62	63	65	65	1.5	0.2	No
R1541	GF	E	Residential	65	60	49	49	49	51	48	49	50	51	1.6	0.3	No
R1542	GF	E	Residential	65	60	46	47	47	49	46	47	48	49	1.6	0.4	No
R1542	F 1	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	0	No
R1543	GF	E	Residential	65	60	58	58	59	59	58	57	60	59	0.1	-1.1	No
R1544	GF	E	Residential	65	60	52	52	53	53	51	51	54	53	0.6	-0.6	No
R1544	F 1	E	Residential	65	60	55	55	55	56	54	54	57	56	1	-0.4	No
R1545	GF	SW	Residential	65	60	54	53	54	54	53	52	55	54	0.2	-1.1	No
R1546	GF	E	Residential	65	60	47	48	48	50	47	48	49	50	1.7	0.4	No
R1546	F 1	E	Residential	65	60	52	53	53	54	52	52	54	54	1.3	-0.1	No
R1547	GF	E	Residential	65	60	56	56	56	57	55	55	58	57	0.9	-0.5	No
R1548	GF	S	Residential	65	60	47	48	47	49	46	47	49	49	1.6	0.3	No
R1548	F 1	S	Residential	65	60	50	51	51	52	50	50	52	52	1.4	0.2	No
R1550	GF	E	Residential	65	60	49	50	49	51	48	49	51	51	1.6	0.3	No
R1551	GF	E	Residential	65	60	58	57	59	59	57	57	60	59	0.1	-1.1	No
R1552	GF	S	Active recreation	65	65	56	55	56	57	55	55	57	56	0.5	-0.8	No
R1553	GF	S	Residential	65	60	48	49	49	50	48	49	50	50	1.5	0.3	No
R1554	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.8	0.5	No
R1555	GF	S	Residential	65	60	48	49	49	50	47	48	50	50	1.6	0.3	No
R1555	F 1	S	Residential	65	60	52	53	53	54	52	52	54	54	1.3	0	No
R1556	GF	N	Residential	65	60	55	55	56	56	55	54	57	56	0.3	-1	No
R1557	GF	S	Residential	65	60	55	56	56	57	55	55	57	57	1.3	0	No
R1559	GF	S	Residential	65	60	47	48	47	49	46	47	49	49	1.9	0.5	No
R1560	GF	E	Residential	65	60	58	57	58	58	57	56	59	58	0.2	-1	No
R1562	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.7	0.4	No
R1563	GF	E	Residential	65	60	48	48	48	49	47	47	49	49	1.2	-0.1	No
R1563	F 1	E	Residential	65	60	50	50	50	52	49	50	52	52	1.5	0.2	No
R1563	F 2	E	Residential	65	60	53	53	53	55	52	53	54	55	1.7	0.4	No
R1563	F 3	E	Residential	65	60	54	55	54	56	53	54	56	56	1.7	0.4	No
R1565	GF	E	Residential	65	60	56	56	57	57	56	55	58	57	0.4	-0.9	No
R1566	GF	E	Residential	65	60	45	46	46	48	45	46	47	48	1.8	0.5	No
R1567	GF	E	Residential	65	60	55	55	56	56	55	54	57	56	0.5	-0.7	No
R1568	GF	E	Residential	65	60	47	47	47	49	46	47	49	49	1.3	0.1	No
R1568	F 1	E	Residential	65	60	49	50	50	51	48	49	51	51	1.5	0.3	No
R1568	F 2	E	Residential	65	60	52	53	52	54	51	52	54	54	1.7	0.4	No
R1569	GF	E	Residential	65	60	47	48	48	50	47	48	49	50	2	0.8	No
R1569	F 1	E	Residential	65	60	50	51	51	52	49	50	52	52	1.8	0.5	No
R1569	F 2	E	Residential	65	60	53	54	54	56	53	54	55	55	1.6	0.2	No
R1569	F 3	E	Residential	65	60	55	55	55	57	54	55	56	56	1.5	0.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1570	GF	S	Residential	65	60	46	47	47	48	45	46	48	48	1.5	0.3	No
R1571	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.5	0.2	No
R1571	F 1	E	Residential	65	60	56	56	56	57	55	55	57	57	1	-0.2	No
R1572	GF	S	Residential	65	60	53	52	53	54	52	52	55	54	0.4	-0.8	No
R1574	GF	N	Residential	65	60	55	55	56	56	54	54	57	56	0.3	-1	No
R1575	GF	N	Residential	65	60	41	42	42	44	41	42	43	44	1.7	0.5	No
R1576	GF	E	Residential	65	60	53	53	54	54	52	52	55	54	0.8	-0.5	No
R1577	GF	E	Residential	65	60	48	48	48	50	47	48	49	50	1.7	0.3	No
R1577	F 1	E	Residential	65	60	52	53	53	54	52	52	54	54	1.4	0.1	No
R1578	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	1.3	0	No
R1580	GF	E	Residential	65	60	52	53	53	54	52	52	54	54	1.3	-0.1	No
R1581	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R1582	GF	S	Residential	65	60	53	53	53	54	52	52	54	54	0.8	-0.5	No
R1583	GF	E	Residential	65	60	47	48	48	50	47	48	49	50	1.9	0.5	No
R1583	F 1	E	Residential	65	60	53	53	53	55	52	53	54	55	1.6	0.2	No
R1585	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.5	0.3	No
R1587	GF	E	Residential	65	60	53	53	53	54	52	52	54	54	1.2	-0.1	No
R1591	GF	E	Residential	65	60	57	57	58	59	56	57	59	59	1.1	-0.2	No
R1592	GF	E	Residential	65	60	47	47	47	49	46	47	48	49	1.4	0.3	No
R1592	F 1	E	Residential	65	60	49	50	50	51	48	49	51	51	1.6	0.5	No
R1592	F 2	E	Residential	65	60	51	52	52	54	51	52	53	54	1.6	0.4	No
R1592	F 3	E	Residential	65	60	53	54	53	55	52	53	55	55	1.7	0.5	No
R1593	GF	E	Residential	65	60	48	49	49	50	47	48	50	50	1.6	0.2	No
R1593	F 1	E	Residential	65	60	51	51	51	53	50	51	52	53	1.6	0.2	No
R1593	F 2	E	Residential	65	60	53	54	54	55	53	53	55	55	1.7	0.3	No
R1593	F 3	E	Residential	65	60	54	55	55	56	54	54	56	56	1.6	0.2	No
R1594	GF	NE	Residential	65	60	63	63	63	64	62	62	64	64	1	-0.2	No
R1595	GF	E	Residential	65	60	65	65	65	66	64	64	67	66	0.9	-0.3	No
R1596	GF	E	Residential	65	60	51	51	52	53	50	51	53	53	1.2	-0.1	No
R1596	F 1	E	Residential	65	60	55	56	56	57	55	55	57	57	1.3	-0.1	No
R1598	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.4	-0.1	No
R1598	F 1	E	Residential	65	60	56	56	56	57	55	55	57	57	1.2	-0.1	No
R1599	GF	E	Residential	65	60	53	53	53	54	52	52	54	54	1.3	-0.1	No
R1601	GF	S	Residential	65	60	53	53	54	54	53	53	55	54	0.5	-0.8	No
R1602	GF	E	Residential	65	60	46	47	47	48	46	47	48	48	1.5	0.2	No
R1602	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.5	0.2	No
R1602	F 2	E	Residential	65	60	52	52	52	54	51	52	53	54	1.5	0.3	No
R1602	F 3	E	Residential	65	60	53	54	54	55	53	53	55	55	1.6	0.4	No
R1603	GF	S	Residential	65	60	47	47	47	49	46	47	48	49	1.4	0.1	No
R1604	GF	E	Residential	65	60	50	51	51	52	49	50	52	52	1.5	0.2	No
R1605	GF	S	Residential	65	60	49	50	49	51	48	49	51	51	1.7	0.4	No
R1605	F 1	S	Residential	65	60	52	52	52	54	51	52	54	54	1.5	0.2	No
R1607	GF	E	Residential	65	60	56	56	56	57	55	55	57	57	1.1	-0.1	No
R1609	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.4	0	No
R1611	GF	E	Residential	65	60	52	52	52	53	51	51	54	53	1.2	-0.2	No
R1611	F 1	E	Residential	65	60	55	55	55	56	54	54	56	56	1.2	-0.1	No
R1612	GF	E	Residential	65	60	64	64	65	66	64	64	66	66	0.9	-0.3	No
R1613	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.4	0.1	No
R1614	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.2	-0.1	No
R1614	F 1	E	Residential	65	60	55	55	56	57	54	55	57	57	1.2	0	No
R1615	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.3	0	No
R1616	GF	E	Residential	65	60	66	65	66	67	65	65	67	67	0.7	-0.5	No
R1621	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.3	0.1	No
R1621	F 1	E	Residential	65	60	56	56	56	57	55	55	57	57	1.2	-0.1	No
R1622	GF	E	Residential	65	60	48	49	49	50	48	48	50	50	1.4	0	No
R1622	F 1	E	Residential	65	60	50	51	51	52	49	50	52	52	1.5	0.2	No
R1622	F 2	E	Residential	65	60	52	53	52	54	51	52	54	54	1.5	0.2	No
R1623	GF	SE	Residential	65	60	65	65	66	67	64	65	67	67	0.7	-0.5	No
R1624	GF	E	Residential	65	60	64	64	65	66	64	64	66	66	0.7	-0.6	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1625	GF	E	Residential	65	60	51	51	51	53	50	51	52	53	1.6	0.3	No
R1626	GF	N	Residential	65	60	57	57	58	58	57	56	59	58	0.2	-1	No
R1627	GF	S	Residential	65	60	53	52	53	54	52	52	55	54	0.4	-0.8	No
R1627	F 1	S	Residential	65	60	54	53	54	55	53	53	55	55	0.6	-0.7	No
R1628	GF	E	Residential	65	60	65	65	66	67	64	65	67	67	0.8	-0.4	No
R1631	GF	E	Residential	65	60	61	60	61	61	60	59	62	61	0	-1.3	No
R1633	GF	N	Residential	65	60	60	59	60	60	59	58	61	60	-0.2	-1.4	No
R1634	GF	E	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R1634	F 1	E	Residential	65	60	49	49	49	50	48	48	50	50	1.4	0	No
R1637	GF	E	Residential	65	60	50	50	50	52	49	50	52	52	1.4	0.1	No
R1637	F 1	E	Residential	65	60	53	54	54	55	53	53	55	55	1.4	0.1	No
R1637	F 2	E	Residential	65	60	56	56	56	57	55	55	57	57	1.2	0	No
R1640	GF	E	Residential	65	60	50	51	51	52	49	50	52	52	1.5	0.2	No
R1640	F 1	E	Residential	65	60	54	54	55	56	54	54	56	56	1.2	0	No
R1640	F 2	E	Residential	65	60	56	56	56	57	55	56	57	57	1.3	0	No
R1641	GF	E	Educational institute	55	55	63	62	64	64	63	62	65	64	0	-1.3	No
R1641	F 1	E	Educational institute	55	55	65	64	65	66	64	64	66	66	0.5	-0.7	No
R1642	GF	E	Residential	65	60	65	65	66	66	64	64	67	66	0.8	-0.5	No
R1643	GF	E	Residential	65	60	50	51	50	52	49	50	52	52	1.5	0.2	No
R1644	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.3	0.1	No
R1646	GF	E	Residential	65	60	47	48	47	49	46	47	49	49	1.8	0.6	No
R1647	GF	E	Residential	65	60	54	54	54	55	53	53	55	55	0.8	-0.6	No
R1647	F 1	E	Residential	65	60	56	56	56	57	55	55	57	57	1.1	-0.3	No
R1649	GF	S	Educational institute	55	55	56	56	56	57	56	55	58	57	0.7	-0.6	No
R1649	F 1	S	Educational institute	55	55	60	60	61	62	60	60	62	62	0.8	-0.5	No
R1649	F 2	S	Educational institute	55	55	61	62	62	63	60	61	63	63	1.2	-0.1	No
R1650	GF	S	Residential	65	60	50	51	51	52	50	50	52	52	1.7	0.4	No
R1650	F 1	S	Residential	65	60	53	53	53	55	52	53	54	55	1.6	0.3	No
R1652	GF	E	Residential	65	60	50	50	50	52	49	50	51	52	1.6	0.3	No
R1652	F 1	E	Residential	65	60	55	55	55	56	54	54	56	56	1.3	-0.1	No
R1653	GF	E	Residential	65	60	66	66	67	67	65	65	68	67	0.8	-0.5	No
R1655	GF	E	Residential	65	60	66	66	66	67	65	65	68	67	0.7	-0.5	No
R1656	GF	E	Residential	65	60	66	65	66	67	65	65	67	67	0.7	-0.6	No
R1657	GF	NE	Residential	65	60	60	60	61	61	60	59	62	61	0	-1.2	No
R1662	GF	E	Residential	65	60	50	51	50	52	49	50	52	52	1.6	0.3	No
R1662	F 1	E	Residential	65	60	54	54	54	55	53	53	55	55	1.4	0	No
R1663	GF	N	Residential	65	60	61	60	61	62	60	59	63	61	0.1	-1.2	No
R1669	GF	E	Residential	65	60	50	51	50	52	49	50	52	52	1.7	0.3	No
R1671	GF	E	Residential	65	60	66	66	67	67	65	65	68	67	0.7	-0.5	No
R1672	GF	E	Residential	65	60	66	65	66	67	65	65	67	67	0.6	-0.6	No
R1673	GF	E	Educational institute	55	55	65	64	65	65	64	63	66	65	0	-1.3	No
R1673	F 1	E	Educational institute	55	55	65	64	65	66	64	64	66	66	0.6	-0.6	No
R1675	GF	E	Residential	65	60	50	51	51	52	50	50	52	52	1.5	0.2	No
R1679	GF	S	Residential	65	60	53	53	54	55	52	53	55	55	1.1	-0.2	No
R1681	GF	E	Residential	65	60	51	51	51	52	50	50	52	52	1.4	0.1	No
R1682	GF	E	Residential	65	60	52	52	52	53	51	51	53	53	1.4	0.1	No
R1682	F 1	E	Residential	65	60	57	57	57	58	56	56	58	58	1.2	0	No
R1683	GF	S	Educational institute	55	55	58	58	59	59	58	58	60	59	0.7	-0.7	No
R1683	F 1	S	Educational institute	55	55	63	63	64	65	63	63	65	65	0.8	-0.4	No
R1685	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.4	0.1	No
R1685	F 1	E	Residential	65	60	57	57	57	58	56	56	59	58	1.1	-0.2	No
R1686	GF	E	Residential	65	60	66	65	67	67	65	65	68	67	0.1	-1.2	No
R1687	GF	E	Residential	65	60	51	52	52	53	51	51	53	53	1.4	0.1	No
R1691	GF	E	Residential	65	60	52	53	53	54	52	52	54	54	1.4	0	No
R1692	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.4	0.1	No
R1693	GF	E	Residential	65	60	67	66	67	67	66	65	68	67	0.1	-1.2	No
R1695	GF	E	Residential	65	60	53	53	53	55	52	53	55	55	1.5	0.2	No
R1695	F 1	E	Residential	65	60	58	58	58	60	57	58	60	60	1.2	0	No
R1698	GF	E	Residential	65	60	52	53	53	54	51	52	54	54	1.4	0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1698	F 1	E	Residential	65	60	57	57	57	58	56	56	58	58	1.3	0	No
R1703	GF	E	Residential	65	60	55	55	55	56	54	54	56	56	1.3	-0.1	No
R1705	GF	E	Educational institute	55	55	67	66	68	68	66	66	69	68	0	-1.3	No
R1706	GF	E	Residential	65	60	55	55	55	56	54	54	56	56	1.2	-0.2	No
R1707	GF	E	Residential	65	60	66	65	67	67	65	65	68	67	0	-1.3	No
R1711	GF	E	Residential	65	60	54	55	55	56	54	54	56	56	1.2	-0.1	No
R1711	F 1	E	Residential	65	60	58	58	58	59	57	57	60	59	1.2	-0.1	No
R1712	GF	S	Industrial	n/a	n/a	54	53	54	55	53	53	56	55	0.3	-0.9	No
R1712	F 1	S	Industrial	n/a	n/a	54	54	55	55	54	53	56	55	0.6	-0.7	No
R1713	GF	E	Residential	65	60	54	54	54	55	53	53	55	55	1.2	-0.1	No
R1713	F 1	E	Residential	65	60	57	57	58	59	56	57	59	59	1.1	-0.1	No
R1714	GF	E	Residential	65	60	54	54	54	55	53	53	55	55	1.3	-0.1	No
R1714	F 1	E	Residential	65	60	57	58	58	59	57	57	59	59	1.2	-0.1	No
R1716	GF	S	Residential	65	60	51	52	52	53	51	51	53	53	1.5	0.2	No
R1716	F 1	S	Residential	65	60	54	54	54	56	53	54	56	56	1.4	0.1	No
R1717	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.3	0	No
R1717	F 1	E	Residential	65	60	57	57	57	59	56	57	59	59	1.2	0	No
R1721	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.4	0.1	No
R1721	F 1	E	Residential	65	60	57	57	57	59	56	57	59	58	1.2	-0.1	No
R1724	GF	W	Residential	65	60	42	42	43	44	41	42	44	44	1.1	-0.1	No
R1724	F 1	W	Residential	65	60	45	45	45	46	44	44	46	46	1.2	0	No
R1728	GF	W	Residential	65	60	43	43	44	45	42	43	45	45	1.1	-0.1	No
R1728	F 1	W	Residential	65	60	45	45	46	47	45	45	47	47	0.8	-0.4	No
R1729	GF	E	Residential	65	60	54	54	54	55	53	53	55	55	1.3	-0.1	No
R1732	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1	-0.3	No
R1733	GF	E	Residential	65	60	44	45	44	46	43	44	46	46	1.8	0.5	No
R1733	F 1	E	Residential	65	60	48	49	49	50	47	48	50	50	1.8	0.5	No
R1733	F 2	E	Residential	65	60	54	54	54	56	53	54	55	56	1.6	0.3	No
R1734	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.9	0.7	No
R1734	F 1	E	Residential	65	60	49	50	50	51	48	49	51	51	1.7	0.4	No
R1734	F 2	E	Residential	65	60	52	53	53	54	52	52	54	54	1.6	0.3	No
R1734	F 3	E	Residential	65	60	54	55	55	56	54	54	56	56	1.6	0.3	No
R1735	GF	S	Residential	65	60	53	53	53	54	52	52	54	54	1	-0.2	No
R1735	F 1	S	Residential	65	60	55	56	56	57	55	55	57	57	1.1	-0.1	No
R1736	GF	E	Residential	65	60	49	49	50	51	49	49	51	51	0.8	-0.4	No
R1736	F 1	E	Residential	65	60	51	51	51	52	50	50	52	52	1.1	-0.1	No
R1737	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.7	0.4	No
R1737	F 1	E	Residential	65	60	49	50	50	51	49	49	51	51	1.6	0.3	No
R1737	F 2	E	Residential	65	60	53	53	53	55	52	53	55	55	1.4	0.1	No
R1739	GF	E	Educational institute	55	55	66	65	67	67	65	64	68	66	0	-1.3	No
R1739	F 1	E	Educational institute	55	55	66	66	67	67	65	65	68	67	0.7	-0.6	No
R1740	GF	E	Residential	65	60	51	51	51	53	50	51	53	53	1.4	0.1	No
R1742	GF	E	Residential	65	60	47	47	47	48	46	46	48	48	1.3	0.1	No
R1742	F 1	E	Residential	65	60	49	49	50	51	49	49	51	51	1.4	0.1	No
R1742	F 2	E	Residential	65	60	52	53	53	54	52	52	54	54	1.3	-0.1	No
R1742	F 3	E	Residential	65	60	53	54	54	56	53	54	55	56	1.7	0.5	No
R1743	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.3	-0.1	No
R1750	GF	S	Residential	65	60	51	52	52	53	51	51	53	53	1.5	0.2	No
R1750	F 1	S	Residential	65	60	53	54	54	55	53	53	55	55	1.5	0.2	No
R1753	GF	E	Residential	65	60	42	43	43	45	41	43	44	45	2	0.8	No
R1753	F 1	E	Residential	65	60	46	47	47	49	45	47	48	48	2	0.7	No
R1755	GF	E	Residential	65	60	49	50	49	51	48	49	51	51	1.9	0.6	No
R1756	GF	S	Residential	65	60	53	53	53	54	52	52	54	54	1.3	-0.1	No
R1757	GF	E	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R1757	F 1	E	Residential	65	60	48	49	49	50	48	48	50	50	1.5	0.1	No
R1757	F 2	E	Residential	65	60	50	51	50	52	50	50	52	52	1.7	0.3	No
R1757	F 3	E	Residential	65	60	53	54	53	55	52	53	54	55	2.1	0.8	No
R1758	GF	S	Residential	65	60	51	52	52	53	51	51	53	53	1.4	0.1	No
R1758	F 1	S	Residential	65	60	55	55	55	56	54	54	57	56	1.1	-0.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1759	GF	E	Residential	65	60	44	45	44	46	43	44	46	46	1.8	0.6	No
R1759	F 1	E	Residential	65	60	48	49	49	51	47	49	50	51	1.9	0.6	No
R1760	GF	E	Residential	65	60	49	50	50	52	49	50	51	52	1.8	0.5	No
R1762	GF	E	Residential	65	60	56	56	56	57	55	55	57	57	1.1	-0.3	No
R1764	GF	E	Residential	65	60	57	57	57	58	56	56	58	58	0.9	-0.3	No
R1764	F 1	E	Residential	65	60	60	60	60	61	59	59	62	61	1	-0.3	No
R1766	GF	E	Residential	65	60	51	51	51	53	50	51	52	53	1.7	0.4	No
R1767	GF	W	Industrial	n/a	n/a	71	73	71	75	70	73	72	75	3.4	2.3	No
R1767	F 1	W	Industrial	n/a	n/a	71	73	71	74	70	73	72	75	3.2	2.1	No
R1769	GF	S	Residential	65	60	51	51	51	52	50	50	52	52	1.2	-0.1	No
R1774	GF	E	Residential	65	60	52	52	52	54	51	52	53	54	1.7	0.3	No
R1779	GF	W	Industrial	n/a	n/a	71	74	72	76	70	74	73	76	3.8	2.7	No
R1779	F 1	W	Industrial	n/a	n/a	71	74	72	75	70	73	73	75	3.6	2.3	No
R1784	GF	N	Residential	65	60	44	44	44	45	44	44	46	45	1.2	-0.3	No
R1784	F 1	N	Residential	65	60	46	47	47	48	46	47	48	48	1.8	0.4	No
R1789	GF	E	Commercial	70	70	63	63	63	64	62	62	65	64	0.7	-0.5	No
R1789	F 1	E	Commercial	70	70	63	63	64	65	63	63	65	65	0.8	-0.5	No
R1789	F 2	E	Commercial	70	70	63	63	64	65	63	63	65	65	0.9	-0.4	No
R1790	GF	E	Residential	65	60	54	55	55	56	54	54	56	56	1.2	-0.1	No
R1790	F 1	E	Residential	65	60	59	60	60	61	59	59	61	61	1.1	-0.1	No
R1794	GF	N	Residential	65	60	53	53	53	54	52	52	54	54	1.3	0	No
R1795	GF	E	Residential	65	60	55	55	55	56	54	55	57	56	1.1	-0.2	No
R1795	F 1	E	Residential	65	60	60	60	60	61	59	59	61	61	1.1	-0.2	No
R1798	GF	S	Residential	65	60	51	51	51	53	50	51	53	53	1.6	0.2	No
R1798	F 1	S	Residential	65	60	53	54	54	55	53	53	55	55	1.5	0.2	No
R1801	GF	N	Residential	65	60	51	52	52	53	51	51	53	53	1.3	0.1	No
R1803	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1.2	-0.2	No
R1808	GF	E	Residential	65	60	55	55	56	57	55	55	57	57	1.2	-0.2	No
R1808	F 1	E	Residential	65	60	60	60	60	61	59	59	61	61	1.1	-0.2	No
R1809	GF	S	Residential	65	60	53	53	53	55	52	53	55	55	1.3	0	No
R1810	GF	E	Residential	65	60	56	56	57	58	56	56	58	58	1.1	-0.2	No
R1810	F 1	E	Residential	65	60	60	60	61	62	59	60	62	62	1	-0.2	No
R1813	GF	E	Residential	65	60	54	55	55	56	54	54	56	56	1.2	-0.2	No
R1814	GF	W	Industrial	n/a	n/a	68	70	69	71	68	70	70	71	2.6	1.4	No
R1814	F 1	W	Industrial	n/a	n/a	68	70	69	71	68	70	70	71	2.5	1.3	No
R1815	GF	E	Residential	65	60	45	46	46	47	45	45	47	47	1.6	0.4	No
R1815	F 1	E	Residential	65	60	50	51	50	52	49	50	52	52	1.6	0.3	No
R1818	GF	E	Residential	65	60	46	47	47	48	45	46	48	48	1.7	0.5	No
R1818	F 1	E	Residential	65	60	50	51	51	52	50	50	52	52	1.6	0.3	No
R1820	GF	S	Residential	65	60	50	50	50	52	49	50	52	52	1.3	0	No
R1821	GF	E	Residential	65	60	57	57	58	59	57	57	59	59	0.9	-0.4	No
R1821	F 1	E	Residential	65	60	60	60	61	62	59	59	62	61	1	-0.3	No
R1824	GF	E	Residential	65	60	57	57	58	59	57	57	59	59	0.9	-0.4	No
R1825	GF	S	Residential	65	60	51	52	52	53	51	51	53	53	1.6	0.2	No
R1828	GF	E	Residential	65	60	57	57	57	58	56	56	59	58	1	-0.2	No
R1830	GF	NW	Industrial	n/a	n/a	69	70	69	72	68	70	70	72	2.9	1.7	No
R1830	F 1	NW	Industrial	n/a	n/a	69	70	69	72	68	70	70	72	3	1.7	No
R1830	F 2	NW	Industrial	n/a	n/a	68	70	69	72	68	70	70	72	2.9	1.6	No
R1830	F 3	NW	Industrial	n/a	n/a	68	70	69	71	67	70	70	71	2.8	1.5	No
R1831	GF	N	Residential	65	60	45	45	45	46	45	45	47	46	0.9	-0.4	No
R1831	F 1	N	Residential	65	60	48	49	48	50	48	48	50	50	1.7	0.3	No
R1836	GF	E	Residential	65	60	57	57	58	59	57	57	59	59	1.1	-0.3	No
R1839	GF	E	Residential	65	60	57	57	57	59	56	57	59	59	1.1	-0.2	No
R1840	GF	E	Residential	65	60	57	57	58	59	57	57	59	59	1.1	-0.3	No
R1840	F 1	E	Residential	65	60	59	60	60	61	58	59	61	61	1.2	0	No
R1841	GF	E	Residential	65	60	57	57	57	59	56	57	59	59	1.1	-0.3	No
R1843	GF	E	Residential	65	60	57	57	58	59	57	57	59	59	1.1	-0.2	No
R1843	F 1	E	Residential	65	60	59	60	60	61	59	59	61	61	1.1	-0.1	No
R1845	GF	E	Residential	65	60	56	56	56	57	55	55	57	57	1.1	-0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1845	F 1	E	Residential	65	60	58	59	59	60	58	58	60	60	1.1	-0.1	No
R1845	F 2	E	Residential	65	60	59	60	60	61	58	59	61	61	1.3	0	No
R1846	GF	S	Residential	65	60	50	51	51	52	50	50	52	52	1.5	0.1	No
R1846	F 1	S	Residential	65	60	53	53	53	55	52	53	55	55	1.7	0.3	No
R1847	GF	E	Residential	65	60	55	56	56	57	55	55	57	57	1.1	-0.1	No
R1849	GF	E	Residential	65	60	53	53	54	55	52	53	55	55	1.2	-0.1	No
R1849	F 1	E	Residential	65	60	55	55	55	57	54	55	57	57	1.7	0.3	No
R1850	GF	E	Industrial	n/a	n/a	47	48	47	49	46	48	49	50	2.3	1	No
R1850	F 1	E	Industrial	n/a	n/a	50	51	50	52	49	50	51	52	2.2	0.8	No
R1852	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1.4	0	No
R1854	GF	E	Residential	65	60	52	52	53	54	52	52	54	54	1.3	0	No
R1854	F 1	E	Residential	65	60	54	55	55	56	54	54	56	56	1.5	0.2	No
R1854	F 2	E	Residential	65	60	56	57	57	58	56	56	58	58	1.6	0.4	No
R1854	F 3	E	Residential	65	60	57	58	58	60	56	58	59	60	1.8	0.6	No
R1857	GF	E	Residential	65	60	55	55	55	56	54	54	56	56	1.1	-0.3	No
R1858	GF	E	Residential	65	60	53	53	53	54	52	52	54	54	1.3	0	No
R1858	F 1	E	Residential	65	60	55	56	56	57	55	55	57	57	1.5	0.3	No
R1861	GF	W	Industrial	n/a	n/a	71	74	71	76	70	74	73	76	4.1	2.9	No
R1863	GF	E	Residential	65	60	54	54	54	56	53	54	56	55	1.2	-0.2	No
R1863	F 1	E	Residential	65	60	56	57	57	58	56	56	58	58	1.2	-0.1	No
R1863	F 2	E	Residential	65	60	58	58	58	60	57	58	60	60	1.4	0.1	No
R1864	GF	E	Residential	65	60	52	53	53	54	52	52	54	54	1.3	0	No
R1864	F 1	E	Residential	65	60	54	54	54	56	53	54	55	56	1.5	0.2	No
R1864	F 2	E	Residential	65	60	54	55	55	56	54	54	56	56	1.6	0.3	No
R1866	GF	E	Residential	65	60	53	54	54	55	53	53	55	55	1.2	-0.1	No
R1866	F 1	E	Residential	65	60	57	57	57	59	56	57	59	58	1.3	-0.1	No
R1874	GF	E	Residential	65	60	53	53	53	55	52	53	54	54	1.4	0	No
R1874	F 1	E	Residential	65	60	56	56	56	58	55	56	57	58	1.5	0.1	No
R1875	GF	E	Residential	65	60	53	53	53	54	52	52	54	54	1.3	0	No
R1875	F 1	E	Residential	65	60	55	56	56	57	55	55	57	57	1.5	0.2	No
R1875	F 2	E	Residential	65	60	57	58	58	59	56	57	59	59	1.7	0.5	No
R1876	GF	E	Residential	65	60	53	53	53	55	52	53	55	55	1.3	0.1	No
R1879	GF	E	Residential	65	60	52	53	53	54	52	52	54	54	1.3	0	No
R1879	F 1	E	Residential	65	60	55	56	56	57	55	55	57	57	1.4	0.1	No
R1879	F 2	E	Residential	65	60	57	58	57	59	56	57	59	59	1.6	0.3	No
R1885	GF	E	Residential	65	60	52	52	52	54	51	52	54	54	1.5	0.1	No
R1885	F 1	E	Residential	65	60	55	56	55	57	54	55	57	57	1.7	0.3	No
R1889	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1.1	-0.3	No
R1889	F 1	E	Residential	65	60	56	57	57	58	56	56	58	58	1.3	0	No
R1892	GF	NW	Industrial	n/a	n/a	68	69	68	71	67	69	70	71	2.6	1.4	No
R1893	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1.1	-0.2	No
R1899	GF	E	Residential	65	60	56	56	56	57	55	56	58	57	1.2	-0.2	No
R1903	GF	E	Residential	65	60	57	57	57	58	57	57	59	58	1.1	-0.3	No
R1906	GF	E	Industrial	n/a	n/a	67	66	67	67	66	65	68	67	-0.1	-1.3	No
R1907	GF	E	Residential	65	60	57	58	58	59	57	57	59	59	1.1	-0.3	No
R1910	GF	E	Industrial	n/a	n/a	51	53	52	54	51	52	53	54	2.2	1	No
R1913	GF	E	Residential	65	60	58	58	58	59	58	58	60	59	1.1	-0.3	No
R1916	GF	E	Residential	65	60	53	53	54	55	53	53	55	55	1.1	-0.2	No
R1916	F 1	E	Residential	65	60	55	55	55	57	54	55	56	57	1.4	0.1	No
R1918	GF	E	Residential	65	60	59	59	59	60	58	58	61	60	1.1	-0.4	No
R1920	GF	E	Residential	65	60	58	58	58	59	58	58	60	59	1.1	-0.3	No
R1923	GF	W	Industrial	n/a	n/a	69	71	69	72	68	70	71	72	2.9	1.6	No
R1926	GF	E	Residential	65	60	61	61	61	62	60	60	63	62	0.9	-0.5	No
R1929	GF	E	Residential	65	60	61	61	61	62	60	60	62	62	0.8	-0.5	No
R1934	GF	E	Residential	65	60	59	58	59	60	58	58	60	60	0.9	-0.4	No
R1942	GF	S	Residential	65	60	58	57	58	59	57	57	59	59	0.8	-0.5	No
R1945	GF	N	Residential	65	60	54	54	54	56	53	54	56	56	1.3	-0.1	No
R1947	GF	NW	Industrial	n/a	n/a	64	65	64	66	63	64	65	66	1.8	0.6	No
R1951	GF	W	Industrial	n/a	n/a	58	58	58	60	57	58	60	60	1.7	0.4	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R1953	GF	E	Residential	65	60	58	57	58	59	57	57	59	59	0.6	-0.6	No
R1953	F 1	E	Residential	65	60	61	61	61	62	60	60	62	62	1.1	-0.2	No
R1959	GF	N	Residential	65	60	51	51	52	52	51	50	53	52	0.7	-0.6	No
R1959	F 1	N	Residential	65	60	55	55	56	57	54	55	57	57	0.9	-0.3	No
R1960	GF	E	Residential	65	60	58	58	58	59	57	57	60	59	0.6	-0.7	No
R1963	GF	S	Residential	65	60	58	58	58	59	57	57	59	59	0.7	-0.6	No
R1967	GF	E	Residential	65	60	59	59	59	60	58	58	61	60	0.7	-0.7	No
R1967	F 1	E	Residential	65	60	60	61	61	62	60	60	62	62	1.1	-0.2	No
R1967	F 2	E	Residential	65	60	61	62	62	63	61	61	63	63	1.4	0.2	No
R1974	GF	E	Residential	65	60	55	55	55	56	54	54	57	56	0.6	-0.7	No
R1980	GF	E	Residential	65	60	55	55	56	57	55	55	57	57	0.8	-0.5	No
R1980	F 1	E	Residential	65	60	58	59	59	60	58	58	60	60	1.2	-0.1	No
R1982	GF	E	Residential	65	60	56	56	56	57	55	55	57	57	1	-0.4	No
R1983	GF	E	Residential	65	60	54	54	54	55	53	54	56	55	1.3	-0.1	No
R1983	F 1	E	Residential	65	60	57	58	58	59	57	57	59	59	1.4	0.1	No
R1987	GF	N	Industrial	n/a	n/a	58	58	59	59	57	57	60	59	0.5	-0.8	No
R1987	F 1	N	Industrial	n/a	n/a	60	60	60	61	59	59	61	61	1	-0.2	No
R1995	GF	E	Residential	65	60	54	55	55	56	54	54	56	56	1.3	-0.1	No
R1995	F 1	E	Residential	65	60	57	57	57	59	56	57	58	59	1.6	0.2	No
R1996	GF	S	Residential	65	60	56	56	57	58	56	56	58	58	0.9	-0.3	No
R2003	GF	E	Residential	65	60	55	55	55	57	54	55	57	57	1.2	-0.2	No
R2003	F 1	E	Residential	65	60	57	58	58	59	57	57	59	59	1.5	0.2	No
R2006	GF	E	Residential	65	60	55	55	56	57	54	55	57	57	1	-0.3	No
R2009	GF	E	Residential	65	60	55	55	56	57	55	55	57	57	1.2	-0.2	No
R2014	GF	E	Residential	65	60	54	54	55	56	54	54	56	56	1.2	-0.2	No
R2015	GF	E	Residential	65	60	56	56	57	58	55	56	58	58	1.2	-0.1	No
R2015	F 1	E	Residential	65	60	59	60	60	61	59	59	61	61	1.3	0.1	No
R2016	GF	E	Residential	65	60	61	61	62	62	60	60	63	62	0.4	-0.9	No
R2024	GF	E	Residential	65	60	59	59	59	60	58	58	60	60	0.8	-0.4	No
R2024	F 1	E	Residential	65	60	60	60	60	61	59	59	61	61	1.3	0	No
R2024	F 2	E	Residential	65	60	61	61	61	63	60	61	62	63	1.7	0.4	No
R2024	F 3	E	Residential	65	60	61	62	61	64	60	62	63	64	2.1	0.8	No
R2026	GF	E	Residential	65	60	59	60	59	61	58	59	61	61	1.7	0.4	No
R2026	F 1	E	Residential	65	60	60	61	60	62	59	60	61	62	1.9	0.6	No
R2026	F 2	E	Residential	65	60	61	62	61	63	60	61	63	63	2	0.7	No
R2028	GF	E	Industrial	n/a	n/a	66	65	67	67	65	64	68	67	0	-1.2	No
R2031	GF	E	Residential	65	60	56	57	56	58	55	56	57	58	2.1	0.8	No
R2031	F 1	E	Residential	65	60	57	58	57	59	56	57	58	59	2.2	0.9	No
R2031	F 2	E	Residential	65	60	58	59	59	61	58	59	60	61	2.2	0.9	No
R2034	GF	S	Residential	65	60	58	58	59	59	57	57	60	59	0.8	-0.6	No
R2034	F 1	S	Residential	65	60	60	60	60	61	59	59	62	61	1.1	-0.3	No
R2038	GF	NW	Industrial	n/a	n/a	56	56	56	57	55	55	58	57	1	-0.4	No
R2040	GF	E	Residential	65	60	57	57	58	58	57	56	59	58	0.5	-0.8	No
R2051	GF	E	Residential	65	60	59	58	59	60	58	57	61	59	0.2	-1.1	No
R2055	GF	E	Residential	65	60	66	66	67	67	65	65	68	67	0.3	-1	No
R2055	F 1	E	Residential	65	60	66	67	67	68	65	66	68	68	1.1	-0.1	No
R2055	F 2	E	Residential	65	60	66	67	67	68	65	66	68	68	1.6	0.4	No
R2061	GF	E	Residential	65	60	66	65	66	67	65	64	68	66	0.2	-1.1	No
R2064	GF	E	Residential	65	60	58	58	58	59	57	57	59	59	1.3	0	No
R2070	GF	E	Residential	65	60	66	65	66	66	65	64	68	66	0.1	-1.2	No
R2070	F 1	E	Residential	65	60	66	66	67	68	65	65	68	67	1	-0.3	No
R2072	GF	S	Residential	65	60	58	57	58	59	57	57	60	59	0.3	-0.9	No
R2073	GF	E	Residential	65	60	59	59	59	60	58	59	61	60	1.2	-0.1	No
R2075	GF	NW	Industrial	n/a	n/a	55	55	55	56	54	54	57	56	0.9	-0.5	No
R2081	GF	E	Residential	65	60	66	65	66	67	65	65	68	67	0.2	-1.1	No
R2081	F 1	E	Residential	65	60	66	66	67	68	65	66	68	68	1.1	-0.2	No
R2083	GF	E	Residential	65	60	66	66	67	67	65	65	68	67	0.2	-1.1	No
R2085	GF	NW	Industrial	n/a	n/a	59	59	59	60	58	59	60	60	1.5	0.2	No
R2087	GF	E	Residential	65	60	66	66	66	67	65	65	67	67	0.6	-0.6	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2087	F 1	E	Residential	65	60	66	66	66	68	65	66	67	68	1.4	0.1	No
R2087	F 2	E	Residential	65	60	66	67	66	68	65	66	67	68	1.8	0.5	No
R2087	F 3	E	Residential	65	60	66	67	66	68	65	66	67	68	1.8	0.6	No
R2088	GF	E	Residential	65	60	66	65	66	67	65	65	67	67	0.6	-0.7	No
R2088	F 1	E	Residential	65	60	66	66	66	68	65	65	67	67	1.3	0.1	No
R2088	F 2	E	Residential	65	60	66	67	66	68	65	66	67	68	1.7	0.5	No
R2088	F 3	E	Residential	65	60	66	67	66	68	65	66	67	68	1.8	0.5	No
R2090	GF	W	Industrial	n/a	n/a	52	52	53	54	52	52	54	54	1.2	-0.2	No
R2092	GF	E	Residential	65	60	67	66	67	67	66	65	68	67	0	-1.2	No
R2093	GF	E	Residential	65	60	66	66	67	67	65	65	68	67	0.2	-1	No
R2102	GF	N	Industrial	n/a	n/a	51	51	51	53	50	51	53	53	1.3	0	No
R2106	GF	NW	Industrial	n/a	n/a	59	60	60	61	58	59	61	61	1.5	0.3	No
R2106	F 1	NW	Industrial	n/a	n/a	59	60	60	61	59	59	61	61	1.6	0.3	No
R2106	F 2	NW	Industrial	n/a	n/a	60	60	60	62	59	60	61	62	1.5	0.3	No
R2109	GF	W	Residential	65	60	67	66	67	68	66	66	68	68	0.7	-0.5	No
R2109	F 1	W	Residential	65	60	67	67	67	68	66	66	69	68	0.8	-0.3	No
R2110	GF	E	Residential	65	60	66	66	66	67	65	65	67	67	0.6	-0.6	No
R2112	GF	E	Residential	65	60	64	64	65	65	63	63	66	65	0.8	-0.5	No
R2114	GF	E	Residential	65	60	66	66	66	67	65	65	67	67	0.6	-0.6	No
R2118	GF	E	Residential	65	60	66	66	66	67	65	65	68	67	0.7	-0.6	No
R2118	F 1	E	Residential	65	60	66	66	66	68	65	66	68	68	1.5	0.2	No
R2121	GF	NW	Industrial	n/a	n/a	54	54	54	55	53	53	56	55	1	-0.4	No
R2122	GF	W	Residential	65	60	66	61	66	62	65	60	68	62	-4.2	-5.4	No
R2122	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.8	-3.9	No
R2125	GF	E	Commercial	70	70	66	66	66	67	65	65	67	67	1.3	0	No
R2125	F 1	E	Commercial	70	70	66	66	66	68	65	66	68	68	1.7	0.3	No
R2128	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.5	-5.6	No
R2128	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.9	-4	No
R2134	GF	SW	Industrial	n/a	n/a	55	55	55	56	54	54	57	56	0.9	-0.4	No
R2135	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.7	-5.8	No
R2137	GF	SW	Industrial	n/a	n/a	50	50	51	52	50	50	52	52	0.8	-0.6	No
R2137	F 1	SW	Industrial	n/a	n/a	53	53	54	55	53	53	55	55	0.9	-0.6	No
R2138	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.9	-6	No
R2140	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.8	-5.8	No
R2140	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.6	-3.7	No
R2142	GF	W	Residential	65	60	62	61	63	63	61	61	64	63	-0.1	-1.3	No
R2142	F 1	W	Residential	65	60	63	62	63	63	62	62	65	63	0	-1.1	No
R2146	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.9	-6	No
R2146	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.7	-3.8	No
R2149	GF	W	Residential	65	60	66	61	67	62	66	60	68	62	-4.7	-5.8	No
R2149	F 1	W	Residential	65	60	66	63	67	64	65	62	68	64	-2.6	-3.7	No
R2152	GF	W	Residential	65	60	66	60	67	61	65	60	68	61	-5.4	-6.5	No
R2152	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.9	-4	No
R2152	F 2	W	Residential	65	60	66	64	66	66	65	64	68	66	-0.9	-2.1	No
R2157	GF	SW	Industrial	n/a	n/a	50	50	51	52	50	50	52	52	1.1	-0.3	No
R2157	F 1	SW	Industrial	n/a	n/a	51	51	52	53	51	51	53	53	1	-0.3	No
R2158	GF	W	Residential	65	60	67	59	67	61	66	59	68	61	-6.1	-7.2	No
R2159	GF	W	Residential	65	60	66	59	67	61	65	59	68	61	-5.5	-6.7	No
R2161	GF	W	Residential	65	60	66	59	66	61	65	59	68	61	-5.4	-6.5	No
R2166	GF	W	Residential	65	60	66	59	66	61	65	59	68	61	-5.6	-6.7	No
R2172	GF	S	Residential	65	60	60	60	60	62	59	60	62	62	1.5	0.3	No
R2175	GF	S	Residential	65	60	59	57	59	58	58	57	60	59	-0.5	-1.8	No
R2176	GF	W	Residential	65	60	66	60	66	61	65	60	68	61	-5.2	-6.2	No
R2178	GF	W	Residential	65	60	66	60	67	61	65	60	68	62	-5.2	-6.2	No
R2181	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-5.1	-6.2	No
R2181	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.6	-3.8	No
R2183	GF	W	Industrial	n/a	n/a	50	50	50	51	49	49	51	51	1.3	0	No
R2184	GF	W	Residential	65	60	66	60	67	61	65	60	68	62	-5.2	-6.3	No
R2184	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.6	-3.8	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2185	GF	W	Residential	65	60	61	62	62	63	61	61	63	63	1.4	0.1	No
R2189	GF	NW	Industrial	n/a	n/a	50	51	51	52	50	50	52	52	1.2	-0.2	No
R2192	GF	W	Residential	65	60	66	59	66	61	65	59	67	61	-5.1	-6.2	No
R2194	GF	W	Residential	65	60	66	59	66	61	65	59	67	61	-5.3	-6.3	No
R2194	F 1	W	Residential	65	60	66	62	66	63	65	61	67	63	-3	-4.1	No
R2195	GF	NW	Industrial	n/a	n/a	57	58	58	59	56	57	59	59	1.5	0.2	No
R2196	GF	W	Residential	65	60	56	54	56	56	55	54	57	56	-0.2	-1.4	No
R2198	GF	W	Residential	65	60	57	55	57	56	56	54	58	56	-0.9	-2.1	No
R2200	GF	W	Residential	65	60	57	55	57	56	56	55	58	57	-0.6	-1.8	No
R2201	GF	W	Residential	65	60	66	60	67	61	65	60	68	62	-5.1	-6.2	No
R2201	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-3	-4.1	No
R2203	GF	S	Residential	65	60	59	60	60	61	59	59	61	61	1.5	0.3	No
R2205	GF	S	Residential	65	60	59	58	59	59	58	57	61	59	-0.1	-1.3	No
R2208	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.7	-5.8	No
R2208	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.7	-3.8	No
R2212	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-4.8	-5.9	No
R2216	GF	NW	Industrial	n/a	n/a	49	49	50	51	49	49	51	51	1.1	-0.3	No
R2216	F 1	NW	Industrial	n/a	n/a	54	53	54	55	53	53	55	55	0.7	-0.6	No
R2218	GF	W	Residential	65	60	60	58	60	60	59	58	62	60	-0.3	-1.6	No
R2220	GF	W	Residential	65	60	67	60	67	62	66	60	68	62	-4.9	-6.1	No
R2220	F 1	W	Residential	65	60	67	63	67	64	66	63	68	64	-2.8	-3.9	No
R2222	GF	W	Residential	65	60	56	55	57	57	56	55	58	57	-0.2	-1.5	No
R2223	GF	W	Residential	65	60	60	60	61	62	59	60	62	62	1.4	0.2	No
R2225	GF	S	Residential	65	60	56	54	57	56	56	54	58	56	-0.6	-1.8	No
R2226	GF	W	Residential	65	60	56	55	56	57	55	55	58	57	0.4	-0.8	No
R2229	GF	W	Residential	65	60	66	60	66	62	65	60	68	62	-4.9	-6	No
R2229	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-3	-4.1	No
R2231	GF	W	Residential	65	60	59	59	59	61	58	59	60	61	1.6	0.3	No
R2231	F 1	W	Residential	65	60	61	60	61	62	60	60	63	62	0.3	-0.9	No
R2231	F 2	W	Residential	65	60	61	60	62	62	60	60	63	62	0	-1.2	No
R2235	GF	SW	Industrial	n/a	n/a	49	49	49	50	48	49	50	50	1.4	0	No
R2235	F 1	SW	Industrial	n/a	n/a	51	51	52	53	51	51	53	53	1	-0.4	No
R2236	GF	S	Residential	65	60	58	54	58	55	57	54	60	55	-3.3	-4.4	No
R2236	F 1	S	Residential	65	60	59	56	59	58	58	56	61	58	-1.9	-3	No
R2237	GF	W	Residential	65	60	66	60	66	62	65	60	68	62	-4.9	-5.9	No
R2237	F 1	W	Residential	65	60	66	62	67	64	65	62	68	64	-2.8	-4	No
R2238	GF	W	Residential	65	60	58	56	58	57	57	56	59	57	-0.7	-2	No
R2239	GF	W	Residential	65	60	66	61	67	62	65	61	68	62	-4.5	-5.5	No
R2241	GF	W	Residential	65	60	59	58	60	59	59	57	61	59	-0.6	-1.9	No
R2243	GF	W	Residential	65	60	59	57	60	59	59	57	61	59	-0.9	-2.1	No
R2243	F 1	W	Residential	65	60	61	59	61	60	60	59	62	61	-0.7	-1.8	No
R2246	GF	W	Residential	65	60	58	55	59	56	57	55	60	56	-2.2	-3.3	No
R2247	GF	W	Residential	65	60	66	60	67	62	65	60	68	62	-5	-6.1	No
R2247	F 1	W	Residential	65	60	66	63	67	64	65	62	68	64	-2.5	-3.7	No
R2249	GF	W	Residential	65	60	59	57	59	58	58	56	60	58	-1	-2.3	No
R2249	F 1	W	Residential	65	60	60	58	61	60	60	58	62	60	-1	-2.3	No
R2253	GF	W	Residential	65	60	55	55	56	57	55	55	57	57	0.7	-0.7	No
R2254	GF	W	Residential	65	60	67	59	67	61	66	59	68	61	-6.1	-7.2	No
R2255	GF	W	Residential	65	60	66	60	66	61	65	60	68	61	-5.3	-6.4	No
R2256	GF	W	Residential	65	60	57	56	58	57	57	56	59	57	-0.6	-1.8	No
R2256	F 1	W	Residential	65	60	60	59	61	60	60	58	62	60	-0.8	-2.1	No
R2258	GF	W	Residential	65	60	57	55	57	57	56	55	59	57	-0.6	-1.9	No
R2261	GF	W	Residential	65	60	58	56	59	58	58	56	60	58	-1.2	-2.4	No
R2262	GF	W	Residential	65	60	66	59	67	61	66	59	68	61	-6	-7.1	No
R2263	GF	NW	Industrial	n/a	n/a	46	46	47	48	46	46	48	48	1	-0.4	No
R2263	F 1	NW	Industrial	n/a	n/a	50	50	50	51	50	49	52	51	0.7	-0.8	No
R2264	GF	W	Residential	65	60	55	54	56	56	55	54	57	56	-0.2	-1.4	No
R2264	F 1	W	Residential	65	60	61	58	61	60	60	58	62	60	-1.4	-2.7	No
R2264	F 2	W	Residential	65	60	62	60	63	61	62	59	64	61	-1.7	-3	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2267	GF	W	Residential	65	60	56	54	56	56	55	54	58	56	-0.2	-1.5	No
R2267	F 1	W	Residential	65	60	60	58	61	59	60	58	62	60	-1.1	-2.3	No
R2271	GF	W	Residential	65	60	66	58	66	60	65	58	68	60	-6.6	-7.7	No
R2272	GF	W	Residential	65	60	57	56	57	57	57	55	59	57	-0.3	-1.7	No
R2274	GF	W	Residential	65	60	58	55	58	57	57	55	59	57	-1.2	-2.5	No
R2277	GF	W	Residential	65	60	66	59	67	61	65	59	68	61	-6	-7.1	No
R2277	F 1	W	Residential	65	60	66	62	67	63	65	61	68	63	-3.6	-4.7	No
R2279	GF	W	Residential	65	60	57	55	57	57	56	55	58	57	-0.4	-1.7	No
R2280	GF	W	Residential	65	60	56	55	57	56	56	55	58	56	-0.2	-1.5	No
R2281	GF	N	Residential	65	60	55	54	55	55	54	53	57	55	-0.3	-1.5	No
R2283	GF	W	Residential	65	60	56	55	56	57	56	55	58	57	0.1	-1.3	No
R2283	F 1	W	Residential	65	60	59	57	59	59	59	57	61	59	-0.5	-1.8	No
R2284	GF	S	Residential	65	60	59	56	59	57	58	56	61	57	-2.1	-3.3	No
R2285	GF	W	Residential	65	60	55	54	55	56	54	54	57	56	0.4	-0.9	No
R2285	F 1	W	Residential	65	60	58	57	59	58	58	57	60	58	-0.6	-1.9	No
R2286	GF	NW	Industrial	n/a	n/a	49	49	50	50	49	48	51	50	0.7	-0.6	No
R2286	F 1	NW	Industrial	n/a	n/a	53	52	53	54	52	52	54	54	0.8	-0.5	No
R2288	GF	S	Residential	65	60	58	55	58	57	57	55	59	57	-1.3	-2.6	No
R2289	GF	W	Residential	65	60	66	59	66	61	65	59	68	61	-5.8	-7	No
R2289	F 1	W	Residential	65	60	66	61	67	63	65	61	68	63	-3.9	-5	No
R2289	F 2	W	Residential	65	60	66	63	66	65	65	63	68	65	-1.8	-3	No
R2289	F 3	W	Residential	65	60	66	65	66	66	65	64	68	66	-0.2	-1.4	No
R2289	F 4	W	Residential	65	60	66	65	66	67	65	65	68	67	0.2	-1	No
R2290	GF	NW	Industrial	n/a	n/a	47	46	47	48	46	46	48	48	0.9	-0.5	No
R2291	GF	W	Residential	65	60	56	54	56	56	56	54	58	56	-0.4	-1.8	No
R2291	F 1	W	Residential	65	60	59	57	59	59	58	57	61	59	-0.5	-1.8	No
R2294	GF	W	Residential	65	60	66	59	66	61	65	59	67	61	-5.6	-6.7	No
R2294	F 1	W	Residential	65	60	66	61	66	63	65	61	68	63	-3.7	-4.8	No
R2295	GF	S	Residential	65	60	58	56	59	58	58	56	60	58	-1	-2.3	No
R2296	GF	S	Residential	65	60	52	51	52	53	52	51	54	53	0.1	-1.4	No
R2296	F 1	S	Residential	65	60	57	54	57	56	56	54	58	56	-1.2	-2.5	No
R2297	GF	W	Residential	65	60	57	53	57	55	56	53	58	55	-2.4	-3.6	No
R2297	F 1	W	Residential	65	60	58	56	59	57	58	55	60	57	-1.6	-2.8	No
R2297	F 2	W	Residential	65	60	60	58	61	60	60	58	62	60	-1.4	-2.7	No
R2299	GF	W	Residential	65	60	57	56	57	57	56	55	58	57	0.3	-1	No
R2299	F 1	W	Residential	65	60	56	55	56	57	55	55	58	57	0.4	-0.9	No
R2300	GF	W	Residential	65	60	55	52	55	54	54	52	57	54	-1.4	-2.6	No
R2300	F 1	W	Residential	65	60	58	55	58	57	57	55	60	57	-1.6	-2.9	No
R2301	GF	NE	Industrial	n/a	n/a	48	48	49	50	48	48	50	50	1	-0.3	No
R2304	GF	W	Residential	65	60	57	54	58	56	57	54	59	56	-2	-3.2	No
R2305	GF	S	Residential	65	60	58	55	58	56	57	55	59	57	-1.7	-2.9	No
R2306	GF	S	Residential	65	60	58	55	58	57	57	55	60	57	-1.4	-2.7	No
R2307	GF	S	Residential	65	60	58	53	58	54	57	53	60	54	-3.9	-5.2	No
R2307	F 1	S	Residential	65	60	59	56	60	58	58	56	61	58	-2.1	-3.3	No
R2307	F 2	S	Residential	65	60	60	58	61	59	59	57	62	59	-1.6	-2.8	No
R2307	F 3	S	Residential	65	60	60	58	61	60	59	58	62	60	-0.7	-2.1	No
R2308	GF	W	Residential	65	60	56	55	57	56	56	54	58	56	-0.6	-1.8	No
R2311	GF	W	Residential	65	60	64	59	65	61	63	59	66	61	-3.6	-4.7	No
R2311	F 1	W	Residential	65	60	64	61	65	63	64	61	66	63	-2.3	-3.5	No
R2312	GF	S	Residential	65	60	55	56	56	57	54	55	57	57	1.4	0.2	No
R2312	F 1	S	Residential	65	60	56	56	56	58	55	56	58	58	1.5	0.3	No
R2313	GF	N	Residential	65	60	57	55	57	57	57	55	59	57	-0.8	-2.2	No
R2316	GF	W	Residential	65	60	57	55	57	57	56	55	58	57	-0.3	-1.6	No
R2317	GF	W	Residential	65	60	56	55	57	57	55	55	58	57	0	-1.3	No
R2317	F 1	W	Residential	65	60	58	57	59	58	58	56	60	58	-0.5	-1.8	No
R2319	GF	W	Residential	65	60	65	64	66	65	64	64	67	65	-0.3	-1.5	No
R2319	F 1	W	Residential	65	60	65	64	66	66	64	64	67	66	0.2	-1	No
R2319	F 2	W	Residential	65	60	65	66	66	67	64	65	67	67	1.2	-0.1	No
R2321	GF	W	Residential	65	60	55	55	56	56	55	54	57	56	0.1	-1.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2322	GF	W	Residential	65	60	55	54	56	56	55	54	57	56	-0.3	-1.6	No
R2324	GF	SW	Active recreation	65	65	47	48	48	50	47	48	49	50	1.8	0.3	No
R2325	GF	W	Residential	65	60	55	53	56	54	55	52	57	54	-1.6	-2.9	No
R2325	F 1	W	Residential	65	60	58	55	58	57	57	55	59	57	-1.4	-2.7	No
R2326	GF	W	Industrial	n/a	n/a	45	45	45	46	44	45	47	46	1.2	-0.2	No
R2326	F 1	W	Industrial	n/a	n/a	50	50	51	52	50	50	52	52	0.8	-0.6	No
R2327	GF	W	Residential	65	60	57	55	58	57	57	55	59	57	-0.6	-1.9	No
R2328	GF	W	Residential	65	60	55	54	56	56	55	54	57	56	-0.1	-1.4	No
R2328	F 1	W	Residential	65	60	58	56	59	58	58	56	60	58	-0.7	-2	No
R2330	GF	W	Residential	65	60	56	53	56	54	55	53	57	54	-1.6	-2.8	No
R2330	F 1	W	Residential	65	60	58	56	59	57	58	55	60	57	-1.4	-2.6	No
R2331	GF	W	Residential	65	60	55	54	56	55	55	53	57	55	-0.6	-1.8	No
R2331	F 1	W	Residential	65	60	58	56	59	58	57	56	60	58	-0.7	-2	No
R2332	GF	W	Residential	65	60	59	57	60	58	59	57	61	58	-1.3	-2.6	No
R2333	GF	W	Residential	65	60	56	54	56	56	55	54	58	56	-0.5	-1.9	No
R2335	GF	W	Residential	65	60	54	53	55	54	54	53	56	55	-0.1	-1.4	No
R2335	F 1	W	Residential	65	60	58	56	58	57	57	56	60	57	-0.9	-2.1	No
R2336	GF	W	Residential	65	60	54	53	55	54	53	53	56	54	-0.3	-1.5	No
R2337	GF	S	Residential	65	60	57	52	57	53	56	52	58	54	-3.6	-4.7	No
R2337	F 1	S	Residential	65	60	59	56	59	57	58	55	61	57	-2.1	-3.3	No
R2337	F 2	S	Residential	65	60	60	57	60	58	59	57	61	58	-1.8	-3.1	No
R2337	F 3	S	Residential	65	60	60	58	61	59	59	57	62	59	-1.5	-2.7	No
R2338	GF	S	Residential	65	60	56	54	57	56	56	54	58	56	-1	-2.2	No
R2339	GF	W	Residential	65	60	58	56	58	57	57	55	60	57	-1	-2.4	No
R2339	F 1	W	Residential	65	60	60	57	60	59	59	57	62	59	-1.6	-2.9	No
R2341	GF	W	Residential	65	60	54	53	54	54	54	52	56	54	-0.3	-1.6	No
R2342	GF	N	Residential	65	60	58	54	58	56	57	54	59	56	-2.3	-3.4	No
R2343	GF	W	Residential	65	60	53	52	53	54	52	52	54	54	0.5	-0.9	No
R2343	F 1	W	Residential	65	60	57	55	57	57	56	55	59	57	-0.6	-2	No
R2348	GF	W	Residential	65	60	57	55	57	56	56	55	59	56	-1	-2.2	No
R2349	GF	W	Residential	65	60	52	51	52	53	52	51	54	53	0.1	-1.4	No
R2350	GF	W	Residential	65	60	58	56	59	57	58	56	60	57	-1.5	-2.7	No
R2350	F 1	W	Residential	65	60	60	57	61	59	60	57	62	59	-2	-3.3	No
R2353	GF	W	Residential	65	60	58	55	58	57	57	55	59	57	-1.3	-2.7	No
R2353	F 1	W	Residential	65	60	60	57	60	58	59	57	61	58	-1.9	-3.1	No
R2354	GF	W	Residential	65	60	52	51	53	53	52	51	54	53	0.2	-1.2	No
R2356	GF	W	Residential	65	60	52	51	52	53	52	51	54	53	0.2	-1.1	No
R2356	F 1	W	Residential	65	60	55	54	56	56	55	54	57	56	-0.2	-1.4	No
R2358	GF	S	Residential	65	60	52	51	52	52	52	50	54	52	-0.3	-1.6	No
R2359	GF	W	Residential	65	60	51	51	51	52	50	50	53	52	0.9	-0.4	No
R2360	GF	W	Residential	65	60	51	50	51	52	50	50	53	52	0.8	-0.6	No
R2361	GF	S	Residential	65	60	50	50	51	52	50	50	52	52	0.7	-0.6	No
R2362	GF	W	Residential	65	60	51	51	52	52	51	50	53	52	0.7	-0.7	No
R2363	GF	W	Residential	65	60	57	54	57	56	56	54	58	56	-1.2	-2.6	No
R2364	GF	S	Residential	65	60	49	48	49	50	48	48	50	50	0.7	-0.7	No
R2366	GF	NW	Industrial	n/a	n/a	51	51	51	52	50	50	52	52	0.9	-0.4	No
R2371	GF	W	Residential	65	60	52	51	53	53	52	51	54	53	-0.1	-1.4	No
R2372	GF	W	Residential	65	60	56	53	56	55	55	53	57	55	-1.1	-2.5	No
R2375	GF	W	Residential	65	60	55	53	56	55	55	53	57	55	-1.3	-2.6	No
R2378	GF	S	Residential	65	60	57	52	58	54	57	52	59	54	-4.1	-5.3	No
R2378	F 1	S	Residential	65	60	58	54	58	55	57	54	60	55	-3.1	-4.3	No
R2378	F 2	S	Residential	65	60	58	54	59	56	58	54	60	56	-2.9	-4.1	No
R2380	GF	S	Residential	65	60	52	51	52	52	52	50	54	52	-0.4	-1.7	No
R2381	GF	N	Residential	65	60	51	49	51	51	51	49	53	51	-0.7	-2.1	No
R2381	F 1	N	Residential	65	60	53	51	54	53	53	51	55	53	-1	-2.3	No
R2382	GF	W	Residential	65	60	55	52	55	54	54	52	57	54	-1.7	-3	No
R2382	F 1	W	Residential	65	60	57	55	58	56	57	55	59	56	-1.5	-2.7	No
R2382	F 2	W	Residential	65	60	59	56	59	58	58	56	61	58	-1.7	-2.9	No
R2383	GF	W	Residential	65	60	51	51	52	52	51	50	53	52	0.4	-1	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2383	F 1	W	Residential	65	60	55	54	56	55	55	53	57	55	-0.5	-1.8	No
R2384	GF	N	Residential	65	60	49	49	50	51	49	49	51	51	0.7	-0.7	No
R2385	GF	W	Residential	65	60	52	51	53	52	52	51	51	54	-0.2	-1.4	No
R2387	GF	W	Residential	65	60	52	51	52	53	51	51	53	53	0.5	-0.8	No
R2387	F 1	W	Residential	65	60	56	54	56	55	55	54	58	55	-0.8	-2.1	No
R2389	GF	W	Residential	65	60	52	52	53	54	51	52	54	54	1.4	0.2	No
R2389	F 1	W	Residential	65	60	55	55	56	56	55	54	57	56	0.6	-0.6	No
R2390	GF	W	Residential	65	60	52	51	52	52	51	50	53	52	0.3	-1.1	No
R2392	GF	N	Residential	65	60	48	48	49	49	48	47	50	49	0.3	-1.1	No
R2392	F 1	N	Residential	65	60	52	50	52	52	51	50	54	52	-0.6	-2	No
R2392	F 2	N	Residential	65	60	54	51	54	53	53	51	56	53	-1.4	-2.7	No
R2393	GF	W	Residential	65	60	51	50	51	51	50	50	53	52	0.2	-1.1	No
R2393	F 1	W	Residential	65	60	55	53	55	55	54	53	57	55	-0.7	-2.1	No
R2394	GF	S	Residential	65	60	56	50	56	52	55	50	57	52	-4.1	-5.2	No
R2394	F 1	S	Residential	65	60	56	52	57	53	55	52	58	53	-3.3	-4.5	No
R2394	F 2	S	Residential	65	60	57	53	57	54	56	53	58	54	-2.7	-4	No
R2394	F 3	S	Residential	65	60	57	54	58	56	57	54	59	56	-2.2	-3.5	No
R2395	GF	W	Residential	65	60	52	51	53	53	52	51	54	53	-0.1	-1.5	No
R2396	GF	SW	Active recreation	65	65	46	47	47	48	46	47	48	49	1.8	0.4	No
R2398	GF	W	Residential	65	60	50	50	51	51	50	50	52	51	0.9	-0.4	No
R2398	F 1	W	Residential	65	60	55	54	55	55	54	54	57	55	0	-1.4	No
R2399	GF	N	Residential	65	60	50	49	50	51	50	49	52	51	0.4	-1	No
R2400	GF	NW	Industrial	n/a	n/a	50	49	50	51	50	49	52	51	0.6	-0.8	No
R2402	GF	S	Residential	65	60	52	50	52	51	51	50	53	52	-0.7	-1.9	No
R2402	F 1	S	Residential	65	60	55	53	55	54	54	52	57	54	-1.3	-2.6	No
R2404	GF	W	Residential	65	60	53	51	53	53	53	51	55	53	-0.3	-1.7	No
R2404	F 1	W	Residential	65	60	56	54	56	55	55	53	58	55	-1	-2.4	No
R2405	GF	W	Residential	65	60	53	52	54	53	53	52	55	53	-0.3	-1.7	No
R2405	F 1	W	Residential	65	60	56	54	57	55	56	54	58	56	-1.2	-2.4	No
R2406	GF	N	Residential	65	60	49	49	50	50	49	48	51	50	0.2	-1.1	No
R2407	GF	W	Residential	65	60	51	51	52	52	51	51	53	52	0.6	-0.8	No
R2407	F 1	W	Residential	65	60	56	54	56	56	55	54	58	56	-0.5	-1.7	No
R2409	GF	W	Residential	65	60	53	52	54	53	53	51	55	53	-0.8	-2	No
R2411	GF	W	Residential	65	60	54	52	54	54	53	52	56	54	-0.6	-2	No
R2411	F 1	W	Residential	65	60	57	54	57	56	56	54	58	56	-1.6	-2.8	No
R2411	F 2	W	Residential	65	60	58	55	58	57	57	55	59	57	-1.5	-2.8	No
R2412	GF	W	Residential	65	60	51	50	51	52	50	50	52	52	0.7	-0.5	No
R2413	GF	W	Residential	65	60	52	51	52	52	51	51	54	52	0.2	-1.3	No
R2414	GF	W	Residential	65	60	53	51	54	52	52	50	55	52	-1.6	-2.8	No
R2415	GF	NW	Industrial	n/a	n/a	51	51	52	53	51	51	53	53	0.7	-0.6	No
R2416	GF	W	Residential	65	60	54	52	55	54	54	52	56	54	-1	-2.3	No
R2416	F 1	W	Residential	65	60	56	54	57	55	56	54	58	55	-1.5	-2.7	No
R2416	F 2	W	Residential	65	60	58	55	58	57	57	55	59	57	-1.4	-2.7	No
R2417	GF	N	Residential	65	60	48	49	48	51	47	49	49	51	3.1	1.7	No
R2417	F 1	N	Residential	65	60	50	52	50	53	50	51	52	53	2.9	1.5	No
R2417	F 2	N	Residential	65	60	51	53	52	55	51	53	53	55	3	1.7	No
R2418	GF	N	Residential	65	60	50	49	51	50	50	48	52	50	-0.6	-2	No
R2418	F 1	N	Residential	65	60	53	52	54	53	53	51	55	53	-0.7	-2	No
R2421	GF	W	Residential	65	60	53	51	53	52	52	50	55	52	-0.8	-2.3	No
R2421	F 1	W	Residential	65	60	56	53	56	54	55	53	57	54	-1.7	-3	No
R2422	GF	N	Residential	65	60	53	49	53	51	52	49	55	51	-2.8	-3.9	No
R2423	GF	W	Active recreation	65	65	55	55	56	57	54	55	57	57	1.3	0	No
R2425	GF	W	Residential	65	60	54	52	54	54	54	52	56	54	-0.9	-2.2	No
R2425	F 1	W	Residential	65	60	56	54	57	55	56	54	58	55	-1.6	-2.8	No
R2426	GF	W	Residential	65	60	50	50	50	51	49	49	52	51	0.7	-0.7	No
R2427	GF	N	Residential	65	60	50	49	50	50	49	49	52	50	0.3	-1.2	No
R2428	GF	W	Residential	65	60	50	49	51	50	50	48	52	50	-0.4	-1.6	No
R2429	GF	S	Residential	65	60	50	49	51	51	50	49	52	51	-0.1	-1.4	No
R2429	F 1	S	Residential	65	60	53	51	53	53	52	51	54	53	-0.5	-1.7	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2430	GF	W	Residential	65	60	52	50	52	52	51	50	54	52	-0.3	-1.7	No
R2430	F 1	W	Residential	65	60	55	53	55	54	55	52	57	54	-1.4	-2.9	No
R2432	GF	W	Residential	65	60	52	50	52	52	52	50	54	52	-0.4	-1.9	No
R2436	GF	N	Residential	65	60	47	48	47	50	47	48	49	50	2.8	1.4	No
R2436	F 1	N	Residential	65	60	49	50	49	52	49	50	51	52	2.7	1.2	No
R2437	GF	S	Residential	65	60	51	47	52	49	51	47	53	49	-3	-4.2	No
R2437	F 1	S	Residential	65	60	53	50	53	51	52	50	54	51	-1.7	-3	No
R2440	GF	S	Residential	65	60	49	49	49	50	48	49	51	50	1	-0.3	No
R2440	F 1	S	Residential	65	60	53	52	54	53	53	52	55	53	-0.5	-1.8	No
R2442	GF	S	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.2	No
R2443	GF	S	Residential	65	60	49	48	50	50	49	48	51	50	-0.1	-1.4	No
R2444	GF	N	Residential	65	60	50	48	50	50	49	48	52	50	-0.7	-2	No
R2444	F 1	N	Residential	65	60	54	52	54	53	53	51	55	53	-1	-2.2	No
R2447	GF	W	Residential	65	60	49	49	50	50	49	48	51	50	0.4	-1	No
R2448	GF	S	Residential	65	60	49	47	49	49	48	47	50	49	-0.4	-1.7	No
R2448	F 1	S	Residential	65	60	52	51	52	52	51	51	54	52	-0.1	-1.3	No
R2449	GF	N	Residential	65	60	49	48	50	50	49	48	51	50	-0.2	-1.5	No
R2450	GF	W	Residential	65	60	50	50	50	51	49	49	52	51	0.7	-0.6	No
R2451	GF	W	Residential	65	60	49	50	49	52	49	50	51	52	2.6	1	No
R2451	F 1	W	Residential	65	60	51	52	51	54	51	52	53	54	2.6	1.1	No
R2451	F 2	W	Residential	65	60	53	54	53	56	53	54	55	56	2.3	1	No
R2451	F 3	W	Residential	65	60	54	55	55	57	54	55	56	57	2.3	1	No
R2452	GF	W	Residential	65	60	50	50	51	51	50	49	52	51	0.4	-1	No
R2453	GF	S	Residential	65	60	50	49	51	51	49	49	52	51	0.2	-1	No
R2454	GF	S	Residential	65	60	49	50	50	51	49	49	51	51	1.4	0.1	No
R2454	F 1	S	Residential	65	60	50	51	51	52	50	50	52	52	1.2	-0.1	No
R2455	GF	N	Residential	65	60	49	47	50	49	49	47	51	49	-1	-2.3	No
R2457	GF	W	Residential	65	60	51	50	51	51	50	49	52	51	0.2	-1.2	No
R2457	F 1	W	Residential	65	60	54	53	54	54	54	52	56	54	-0.4	-1.7	No
R2457	F 2	W	Residential	65	60	56	54	56	56	55	54	58	56	-0.7	-2	No
R2458	GF	W	Residential	65	60	48	48	49	49	48	47	50	49	0.4	-1	No
R2459	GF	NW	Active recreation	65	65	47	47	47	49	47	47	49	49	1.3	-0.1	No
R2460	GF	S	Residential	65	60	49	49	50	50	49	48	51	50	0.6	-0.6	No
R2461	GF	S	Residential	65	60	52	48	53	49	51	48	54	49	-3.5	-4.6	No
R2461	F 1	S	Residential	65	60	53	50	54	52	53	50	55	52	-2.2	-3.4	No
R2461	F 2	S	Residential	65	60	54	52	55	53	54	52	56	53	-1.4	-2.7	No
R2463	GF	S	Residential	65	60	52	49	53	51	52	49	54	51	-1.8	-3.2	No
R2463	F 1	S	Residential	65	60	55	52	55	54	54	52	57	54	-1.6	-2.9	No
R2464	GF	N	Residential	65	60	50	48	50	50	49	48	52	50	-0.6	-2	No
R2464	F 1	N	Residential	65	60	52	50	53	52	52	50	54	52	-1.1	-2.4	No
R2465	GF	W	Residential	65	60	51	50	52	52	51	50	53	52	-0.2	-1.5	No
R2465	F 1	W	Residential	65	60	55	53	55	54	54	53	56	54	-0.6	-2	No
R2468	GF	S	Residential	65	60	50	50	51	51	50	49	52	51	0.4	-0.9	No
R2470	GF	N	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.5	No
R2470	F 1	N	Residential	65	60	50	49	51	50	50	49	52	50	-0.5	-2.1	No
R2471	GF	N	Residential	65	60	51	47	51	49	50	47	53	49	-2.4	-3.7	No
R2471	F 1	N	Residential	65	60	54	51	54	52	53	51	55	52	-1.6	-2.9	No
R2473	GF	W	Residential	65	60	51	52	52	53	51	51	53	53	1.5	0.2	No
R2473	F 1	W	Residential	65	60	53	53	53	54	52	53	54	54	1.4	0.1	No
R2475	GF	N	Residential	65	60	48	47	48	48	47	46	49	48	0	-1.3	No
R2476	GF	S	Residential	65	60	49	47	49	48	48	47	50	49	-0.4	-1.8	No
R2476	F 1	S	Residential	65	60	52	51	52	52	51	50	54	52	-0.1	-1.5	No
R2477	GF	W	Residential	65	60	50	48	50	50	49	48	52	50	-0.5	-1.9	No
R2477	F 1	W	Residential	65	60	53	51	53	52	52	50	54	52	-0.9	-2.3	No
R2477	F 2	W	Residential	65	60	56	53	56	55	55	53	58	55	-1.7	-3	No
R2478	GF	W	Residential	65	60	49	50	49	52	48	50	50	52	2.7	1.2	No
R2478	F 1	W	Residential	65	60	50	51	50	53	50	51	52	53	2.9	1.4	No
R2478	F 2	W	Residential	65	60	50	52	51	54	50	52	52	54	3.1	1.8	No
R2478	F 3	W	Residential	65	60	52	54	52	55	51	54	54	55	3.1	1.8	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2479	GF	N	Residential	65	60	46	45	46	47	46	45	48	47	0.5	-0.9	No
R2482	GF	W	Residential	65	60	52	49	53	51	52	49	54	51	-2	-3.2	No
R2482	F 1	W	Residential	65	60	55	52	55	53	54	52	57	53	-1.8	-3.1	No
R2484	GF	W	Residential	65	60	50	49	51	51	50	49	52	51	0.1	-1.2	No
R2485	GF	S	Residential	65	60	51	47	51	49	50	47	52	49	-2.5	-3.6	No
R2485	F 1	S	Residential	65	60	52	50	53	51	52	50	54	51	-1.4	-2.7	No
R2485	F 2	S	Residential	65	60	54	52	55	53	54	51	56	53	-1.4	-2.7	No
R2486	GF	W	Residential	65	60	50	50	50	52	49	50	52	52	1.5	0.2	No
R2488	GF	N	Residential	65	60	46	48	47	50	46	48	48	50	3.2	1.8	No
R2488	F 1	N	Residential	65	60	47	49	48	51	47	49	49	51	3.2	1.7	No
R2488	F 2	N	Residential	65	60	47	49	48	51	47	49	49	51	3.4	2.1	No
R2488	F 3	N	Residential	65	60	49	51	50	53	49	51	51	53	3.1	1.8	No
R2490	GF	W	Residential	65	60	49	48	50	49	49	48	51	49	-0.1	-1.6	No
R2491	GF	N	Residential	65	60	50	46	51	47	49	46	52	48	-3.1	-4.3	No
R2491	F 1	N	Residential	65	60	52	50	53	51	52	49	54	51	-1.9	-3	No
R2492	GF	W	Residential	65	60	48	50	49	51	48	50	50	51	2.6	1.1	No
R2492	F 1	W	Residential	65	60	50	51	50	53	50	51	52	53	2.7	1.1	No
R2492	F 2	W	Residential	65	60	50	52	51	54	50	52	52	54	3	1.5	No
R2492	F 3	W	Residential	65	60	52	54	52	55	52	53	54	55	2.8	1.4	No
R2494	GF	W	Residential	65	60	49	49	50	50	49	48	51	50	0.4	-0.9	No
R2494	F 1	W	Residential	65	60	53	52	53	53	52	51	54	53	0	-1.4	No
R2495	GF	N	Residential	65	60	49	47	50	49	49	47	51	49	-0.6	-2	No
R2495	F 1	N	Residential	65	60	52	50	53	52	52	50	54	52	-0.9	-2.2	No
R2496	GF	W	Residential	65	60	49	48	50	50	49	48	51	50	0.3	-1.1	No
R2500	GF	S	Residential	65	60	48	47	48	48	47	46	50	48	-0.1	-1.4	No
R2500	F 1	S	Residential	65	60	51	50	52	51	51	49	53	51	-0.4	-1.7	No
R2505	GF	W	Residential	65	60	49	48	49	49	48	48	50	49	0.5	-0.9	No
R2506	GF	S	Residential	65	60	49	46	49	47	48	46	50	47	-1.8	-3	No
R2506	F 1	S	Residential	65	60	52	50	52	51	51	49	53	51	-0.9	-2.2	No
R2506	F 2	S	Residential	65	60	54	52	54	53	53	51	56	53	-1	-2.3	No
R2507	GF	S	Residential	65	60	50	47	50	48	49	47	52	48	-1.9	-3.2	No
R2507	F 1	S	Residential	65	60	52	50	53	51	52	49	54	51	-1.6	-2.9	No
R2508	GF	N	Residential	65	60	48	47	49	48	48	47	50	48	-0.4	-1.8	No
R2508	F 1	N	Residential	65	60	51	49	51	50	50	48	53	50	-1	-2.5	No
R2509	GF	S	Residential	65	60	52	52	52	53	51	51	53	53	1.2	-0.1	No
R2512	GF	S	Residential	65	60	52	52	52	54	51	52	54	54	1.5	0.2	No
R2512	F 1	S	Residential	65	60	53	53	53	54	52	53	54	54	1.4	0.1	No
R2513	GF	N	Residential	65	60	49	45	50	47	48	45	51	47	-3.2	-4.3	No
R2513	F 1	N	Residential	65	60	50	47	51	48	50	46	52	48	-2.9	-4	No
R2516	GF	S	Residential	65	60	49	48	49	50	48	48	50	50	0.5	-0.8	No
R2519	GF	S	Residential	65	60	49	47	49	49	48	47	51	49	-0.4	-1.8	No
R2521	GF	W	Residential	65	60	49	48	49	50	48	48	51	50	0.4	-0.9	No
R2522	GF	S	Residential	65	60	48	45	49	47	48	45	50	47	-1.7	-3.1	No
R2522	F 1	S	Residential	65	60	51	49	52	50	51	48	53	50	-1.4	-2.8	No
R2522	F 2	S	Residential	65	60	54	51	54	52	53	51	55	52	-1.5	-2.8	No
R2523	GF	W	Residential	65	60	50	49	50	50	49	49	52	50	0.3	-1.1	No
R2524	GF	W	Residential	65	60	50	49	50	50	49	48	51	50	0.2	-1.3	No
R2525	GF	N	Residential	65	60	46	48	46	49	45	48	48	49	3.1	1.7	No
R2525	F 1	N	Residential	65	60	47	49	47	50	46	48	49	50	2.9	1.5	No
R2525	F 2	N	Residential	65	60	47	49	47	50	46	48	49	50	3	1.6	No
R2525	F 3	N	Residential	65	60	47	49	48	51	47	49	49	51	3	1.6	No
R2526	GF	W	Residential	65	60	51	50	51	52	50	50	52	52	0.7	-0.6	No
R2528	GF	W	Residential	65	60	49	50	50	51	49	49	51	51	1	-0.3	No
R2529	GF	W	Residential	65	60	51	50	51	51	50	49	52	51	0.1	-1.3	No
R2529	F 1	W	Residential	65	60	53	52	53	53	53	51	55	53	-0.3	-1.7	No
R2529	F 2	W	Residential	65	60	55	53	55	55	54	53	57	55	-0.7	-2	No
R2530	GF	W	Residential	65	60	50	49	50	50	49	49	51	51	0.5	-0.8	No
R2533	GF	W	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R2535	GF	W	Residential	65	60	52	50	52	52	51	50	54	52	-0.6	-1.9	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2536	GF	W	Residential	65	60	50	50	50	51	50	49	52	51	0.6	-0.8	No
R2536	F 1	W	Residential	65	60	53	52	53	54	52	52	55	54	0.2	-1.1	No
R2538	GF	S	Residential	65	60	49	47	49	49	48	47	51	49	-0.4	-1.7	No
R2538	F 1	S	Residential	65	60	52	50	52	52	51	50	53	52	-0.4	-1.7	No
R2540	GF	W	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0.2	No
R2540	F 1	W	Residential	65	60	53	52	53	54	52	52	54	54	0.9	-0.4	No
R2541	GF	W	Residential	65	60	50	49	50	51	49	49	52	51	0.7	-0.5	No
R2541	F 1	W	Residential	65	60	53	52	53	53	52	51	54	53	0.2	-1.1	No
R2542	GF	W	Residential	65	60	51	50	51	51	51	50	53	51	0	-1.4	No
R2542	F 1	W	Residential	65	60	53	52	54	53	53	51	55	53	-0.3	-1.7	No
R2543	GF	S	Residential	65	60	52	52	52	54	51	52	54	54	1.5	0.2	No
R2543	F 1	S	Residential	65	60	52	53	53	54	51	52	54	54	1.4	0.2	No
R2544	GF	W	Residential	65	60	49	49	49	50	48	48	51	50	1	-0.4	No
R2544	F 1	W	Residential	65	60	52	51	52	52	51	51	54	52	0.3	-1.1	No
R2545	GF	W	Residential	65	60	50	49	50	51	49	49	51	51	0.7	-0.6	No
R2548	GF	S	Residential	65	60	49	46	49	47	48	45	51	47	-2.3	-3.4	No
R2550	GF	W	Residential	65	60	50	49	50	51	49	49	51	51	0.5	-0.8	No
R2551	GF	N	Residential	65	60	45	47	46	49	45	47	47	49	3	1.7	No
R2551	F 1	N	Residential	65	60	46	48	47	50	46	48	48	50	3	1.6	No
R2551	F 2	N	Residential	65	60	47	48	47	50	46	48	48	50	3.1	1.7	No
R2552	GF	S	Residential	65	60	47	47	48	48	47	46	49	48	0.5	-0.9	No
R2553	GF	W	Residential	65	60	48	48	48	49	47	47	50	49	0.8	-0.5	No
R2555	GF	W	Residential	65	60	49	48	49	49	48	47	50	49	0.3	-1.1	No
R2556	GF	NW	Industrial	n/a	n/a	49	49	49	50	48	48	51	50	0.9	-0.5	No
R2556	F 1	NW	Industrial	n/a	n/a	50	50	51	52	50	50	52	52	1	-0.3	No
R2557	GF	W	Residential	65	60	50	49	50	50	50	48	52	50	-0.2	-1.6	No
R2561	GF	W	Residential	65	60	49	49	50	50	49	48	51	50	0.4	-1	No
R2562	GF	N	Residential	65	60	44	43	44	45	43	43	45	45	0.7	-0.7	No
R2562	F 1	N	Residential	65	60	48	48	49	49	48	47	50	49	0.7	-0.6	No
R2563	GF	S	Residential	65	60	50	50	51	52	49	50	52	52	1.2	0	No
R2563	F 1	S	Residential	65	60	52	51	52	53	51	51	53	53	0.8	-0.4	No
R2564	GF	N	Residential	65	60	46	46	47	47	46	45	48	47	0.2	-1.1	No
R2564	F 1	N	Residential	65	60	49	47	49	49	48	47	51	49	-0.8	-2.1	No
R2565	GF	W	Residential	65	60	48	47	49	49	48	47	50	49	0.1	-1.2	No
R2566	GF	N	Residential	65	60	42	42	43	44	42	42	44	44	1.5	0.4	No
R2566	F 1	N	Residential	65	60	43	43	43	45	43	43	45	45	1.5	0.3	No
R2566	F 2	N	Residential	65	60	44	44	44	46	44	44	46	46	1.5	0.3	No
R2566	F 3	N	Residential	65	60	45	46	46	48	45	46	47	47	1.7	0.4	No
R2567	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.6	0.4	No
R2567	F 1	W	Residential	65	60	44	44	44	46	43	44	45	46	1.9	0.7	No
R2568	GF	W	Residential	65	60	49	48	50	50	49	48	51	50	0	-1.4	No
R2570	GF	S	Residential	65	60	40	41	41	43	40	41	42	43	1.6	0.4	No
R2570	F 1	S	Residential	65	60	43	43	43	45	42	43	44	45	1.7	0.5	No
R2571	GF	S	Residential	65	60	47	46	47	48	47	46	49	48	0.2	-1.1	No
R2571	F 1	S	Residential	65	60	52	51	52	52	51	50	54	52	-0.1	-1.4	No
R2572	GF	W	Residential	65	60	47	46	48	47	47	45	49	47	-0.7	-1.9	No
R2572	F 1	W	Residential	65	60	52	50	52	51	51	50	53	51	-0.6	-1.9	No
R2573	GF	S	Residential	65	60	45	45	46	46	45	44	47	46	0.5	-0.8	No
R2575	GF	S	Residential	65	60	46	45	47	46	45	44	48	46	-0.5	-1.7	No
R2575	F 1	S	Residential	65	60	49	47	49	48	48	47	50	48	-0.6	-1.9	No
R2575	F 2	S	Residential	65	60	52	51	53	52	52	50	54	52	-0.7	-2	No
R2575	F 3	S	Residential	65	60	54	52	54	53	53	51	56	53	-1.3	-2.6	No
R2578	GF	N	Residential	65	60	47	44	48	45	46	43	49	45	-2.7	-3.9	No
R2578	F 1	N	Residential	65	60	48	45	49	47	48	45	50	47	-2.2	-3.4	No
R2578	F 2	N	Residential	65	60	49	46	49	48	48	46	51	48	-1.8	-3	No
R2578	F 3	N	Residential	65	60	49	47	50	49	48	47	51	49	-1	-2.3	No
R2579	GF	W	Residential	65	60	45	45	45	47	44	45	46	47	1.8	0.5	No
R2580	GF	W	Residential	65	60	49	48	49	49	48	47	51	49	0	-1.4	No
R2581	GF	N	Residential	65	60	45	47	46	48	45	46	47	48	2.6	1.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2581	F 1	N	Residential	65	60	46	48	47	49	46	48	48	49	2.6	1.2	No
R2583	GF	W	Residential	65	60	50	48	50	50	49	48	51	50	-0.1	-1.5	No
R2586	GF	S	Residential	65	60	52	52	52	54	51	52	53	54	1.5	0.2	No
R2586	F 1	S	Residential	65	60	52	52	52	54	51	52	54	54	1.4	0.2	No
R2587	GF	N	Residential	65	60	45	44	46	46	45	44	47	46	0.2	-1	No
R2587	F 1	N	Residential	65	60	48	46	48	48	48	46	50	48	-0.5	-1.9	No
R2589	GF	S	Residential	65	60	48	48	48	49	47	47	50	49	0.8	-0.6	No
R2590	GF	E	Residential	65	60	41	41	41	43	40	41	42	43	1.5	0.3	No
R2592	GF	W	Residential	65	60	50	48	50	50	49	48	51	50	-0.1	-1.5	No
R2592	F 1	W	Residential	65	60	52	50	52	52	52	50	54	52	-0.7	-2.1	No
R2594	GF	W	Residential	65	60	42	43	42	44	41	42	44	44	1.8	0.6	No
R2594	F 1	W	Residential	65	60	44	45	44	46	43	44	46	46	1.8	0.5	No
R2594	F 2	W	Residential	65	60	46	46	46	48	45	46	48	48	1.6	0.3	No
R2595	GF	S	Residential	65	60	48	45	48	46	47	45	50	46	-2.1	-3.2	No
R2599	GF	W	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R2599	F 1	W	Residential	65	60	50	50	50	51	49	49	51	51	1.3	0.1	No
R2601	GF	W	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.3	No
R2601	F 1	W	Residential	65	60	44	45	44	46	43	44	46	46	1.8	0.5	No
R2603	GF	N	Residential	65	60	45	45	46	46	45	44	47	46	0.4	-0.9	No
R2603	F 1	N	Residential	65	60	49	47	50	49	49	47	51	49	-0.9	-2.2	No
R2607	GF	W	Residential	65	60	49	48	50	50	49	48	51	50	-0.1	-1.6	No
R2607	F 1	W	Residential	65	60	52	50	53	52	52	50	54	52	-0.9	-2.3	No
R2607	F 2	W	Residential	65	60	54	52	54	53	53	52	56	54	-0.9	-2.1	No
R2609	GF	W	Residential	65	60	49	48	49	50	48	48	51	50	0.4	-0.9	No
R2609	F 1	W	Residential	65	60	52	50	52	52	51	50	53	52	0	-1.4	No
R2609	F 2	W	Residential	65	60	54	52	54	54	53	52	55	54	-0.5	-1.9	No
R2611	GF	N	Residential	65	60	47	46	47	47	46	45	48	47	0.2	-1.1	No
R2612	GF	W	Residential	65	60	42	42	42	44	41	42	43	44	1.7	0.5	No
R2612	F 1	W	Residential	65	60	43	44	44	45	43	43	45	45	1.6	0.3	No
R2613	GF	N	Residential	65	60	45	45	45	47	44	45	46	47	1.3	0.1	No
R2613	F 1	N	Residential	65	60	47	47	47	49	46	47	48	49	1.6	0.4	No
R2614	GF	S	Residential	65	60	47	47	48	49	47	47	49	49	0.8	-0.5	No
R2615	GF	W	Residential	65	60	50	49	50	50	49	48	51	50	0.2	-1.2	No
R2615	F 1	W	Residential	65	60	52	51	53	53	52	51	54	53	-0.3	-1.6	No
R2616	GF	W	Residential	65	60	42	43	43	44	42	43	44	44	1.6	0.3	No
R2618	GF	S	Residential	65	60	46	46	46	47	45	46	48	47	1.1	-0.2	No
R2618	F 1	S	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.2	No
R2619	GF	W	Residential	65	60	42	43	43	45	42	43	44	45	1.7	0.5	No
R2622	GF	N	Residential	65	60	47	47	48	48	47	46	49	48	0.1	-1.3	No
R2624	GF	W	Residential	65	60	49	48	49	49	48	47	51	49	-0.1	-1.5	No
R2625	GF	S	Residential	65	60	47	46	47	48	46	46	48	48	0.7	-0.6	No
R2625	F 1	S	Residential	65	60	51	50	51	52	50	50	52	52	0.7	-0.6	No
R2628	GF	W	Residential	65	60	50	49	50	50	49	49	51	50	0.4	-0.9	No
R2628	F 1	W	Residential	65	60	52	51	53	53	52	51	54	53	0	-1.4	No
R2629	GF	W	Residential	65	60	48	48	49	49	48	48	50	49	0.6	-0.7	No
R2629	F 1	W	Residential	65	60	51	50	52	52	51	50	53	52	0	-1.4	No
R2631	GF	W	Residential	65	60	49	48	50	50	49	48	51	50	0.2	-1.1	No
R2631	F 1	W	Residential	65	60	52	51	52	52	51	50	54	52	-0.3	-1.6	No
R2632	GF	N	Residential	65	60	45	46	45	47	44	45	46	47	2.3	1	No
R2632	F 1	N	Residential	65	60	46	47	46	48	45	46	47	48	2.3	0.9	No
R2633	GF	N	Residential	65	60	46	45	47	47	46	45	48	47	0.1	-1.2	No
R2635	GF	W	Residential	65	60	47	46	47	48	46	46	49	48	0.2	-1.1	No
R2637	GF	N	Residential	65	60	47	46	48	48	47	46	49	48	0.1	-1.3	No
R2640	GF	S	Residential	65	60	48	47	48	48	47	47	50	48	0.1	-1.2	No
R2642	GF	W	Residential	65	60	48	48	49	49	48	47	50	49	0.7	-0.7	No
R2643	GF	W	Residential	65	60	48	47	48	48	47	46	49	48	0.1	-1.2	No
R2643	F 1	W	Residential	65	60	51	49	51	51	51	49	53	51	-0.6	-1.9	No
R2644	GF	S	Residential	65	60	47	46	47	48	46	46	48	48	0.9	-0.4	No
R2646	GF	W	Residential	65	60	49	48	49	50	48	48	51	50	0.3	-1.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2649	GF	W	Residential	65	60	48	47	49	49	48	47	50	49	-0.3	-1.5	No
R2649	F 1	W	Residential	65	60	50	49	51	50	50	48	52	50	-0.7	-2.1	No
R2650	GF	N	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R2650	F 1	N	Residential	65	60	43	44	43	45	42	43	45	45	1.8	0.6	No
R2652	GF	S	Residential	65	60	50	48	50	50	49	48	51	50	-0.2	-1.6	No
R2654	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.6	0.2	No
R2654	F 1	W	Residential	65	60	46	47	46	48	46	46	48	48	1.6	0.3	No
R2656	GF	W	Residential	65	60	48	48	49	49	48	47	50	49	0.6	-0.8	No
R2660	GF	S	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.4	No
R2660	F 1	S	Residential	65	60	43	44	44	45	43	44	45	45	1.7	0.5	No
R2662	GF	N	Residential	65	60	47	46	48	48	47	46	49	48	-0.3	-1.6	No
R2663	GF	NW	Residential	65	60	46	45	46	47	46	45	48	47	0.3	-1.1	No
R2665	GF	NW	Active recreation	65	65	45	46	46	47	45	45	47	47	1.5	0.2	No
R2667	GF	SW	Residential	65	60	48	47	48	48	47	46	50	48	0	-1.3	No
R2667	F 1	SW	Residential	65	60	51	49	51	51	50	49	52	51	-0.2	-1.4	No
R2670	GF	S	Residential	65	60	48	48	48	50	47	48	50	50	1.6	0.3	No
R2670	F 1	S	Residential	65	60	49	49	49	51	48	49	51	51	1.4	0.1	No
R2671	GF	W	Residential	65	60	46	45	46	47	45	45	48	47	0.6	-0.9	No
R2671	F 1	W	Residential	65	60	50	49	51	50	50	48	52	50	-0.3	-1.6	No
R2672	GF	S	Residential	65	60	46	46	47	47	46	45	48	47	0.3	-1.1	No
R2672	F 1	S	Residential	65	60	51	49	51	51	50	49	52	51	-0.4	-1.6	No
R2675	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R2678	GF	W	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R2678	F 1	W	Residential	65	60	50	50	51	52	50	50	52	52	1.1	-0.3	No
R2681	GF	S	Residential	65	60	46	45	47	47	46	45	48	47	-0.1	-1.1	No
R2681	F 1	S	Residential	65	60	51	50	52	51	51	49	53	51	-0.5	-1.9	No
R2682	GF	W	Residential	65	60	48	46	48	48	47	46	50	48	-0.8	-2.1	No
R2682	F 1	W	Residential	65	60	50	48	50	50	49	48	51	50	-0.3	-1.7	No
R2685	GF	W	Residential	65	60	48	46	48	47	47	46	50	48	-1	-2.2	No
R2685	F 1	W	Residential	65	60	49	48	50	50	49	48	51	50	-0.4	-1.6	No
R2686	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R2686	F 1	W	Residential	65	60	50	50	50	51	49	49	51	51	1.1	-0.2	No
R2687	GF	W	Residential	65	60	48	46	48	47	47	45	49	47	-0.9	-2.2	No
R2687	F 1	W	Residential	65	60	49	48	50	49	48	47	51	49	-0.6	-1.8	No
R2687	F 2	W	Residential	65	60	50	48	50	50	49	48	51	50	-0.3	-1.6	No
R2689	GF	W	Residential	65	60	45	45	45	46	44	44	47	46	1	-0.3	No
R2689	F 1	W	Residential	65	60	48	47	48	48	47	46	49	48	0.1	-1	No
R2689	F 2	W	Residential	65	60	49	48	50	49	48	47	51	49	-0.1	-1.4	No
R2691	GF	W	Residential	65	60	44	45	45	46	43	44	46	46	1.5	0.3	No
R2691	F 1	W	Residential	65	60	49	49	50	51	49	49	51	51	1.3	0	No
R2694	GF	W	Industrial	n/a	n/a	51	51	51	53	50	51	53	53	1.1	-0.1	No
R2696	GF	S	Educational institute	55	55	43	44	43	45	43	43	45	45	1.6	0.2	No
R2697	GF	W	Residential	65	60	45	45	45	47	44	45	46	47	1.5	0.2	No
R2698	GF	W	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R2698	F 1	W	Residential	65	60	45	45	46	47	45	45	47	47	1	-0.4	No
R2698	F 2	W	Residential	65	60	48	47	48	48	47	46	49	48	0.2	-1.1	No
R2699	GF	N	Residential	65	60	47	46	47	47	46	45	49	47	0	-1.6	No
R2699	F 1	N	Residential	65	60	49	47	50	49	49	47	51	49	-0.6	-2	No
R2700	GF	S	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.5	No
R2701	GF	W	Residential	65	60	45	46	46	47	45	45	47	47	1.3	-0.1	No
R2701	F 1	W	Residential	65	60	49	49	50	51	49	49	51	51	0.8	-0.5	No
R2702	GF	NW	Active recreation	65	65	46	46	46	47	45	45	48	47	0.9	-0.5	No
R2703	GF	W	Residential	65	60	43	44	44	45	42	43	45	45	1.6	0.5	No
R2703	F 1	W	Residential	65	60	48	48	48	49	47	47	50	49	1.1	-0.2	No
R2704	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R2704	F 1	W	Residential	65	60	50	50	50	51	49	49	52	51	0.6	-0.8	No
R2706	GF	W	Educational institute	55	55	42	43	42	44	41	42	44	44	1.8	0.5	No
R2706	F 1	W	Educational institute	55	55	43	44	44	45	43	43	45	45	1.6	0.2	No
R2706	F 2	W	Educational institute	55	55	45	45	46	47	45	45	47	47	1.3	-0.1	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2708	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R2708	F 1	W	Residential	65	60	51	50	51	52	50	50	53	52	0.4	-0.9	No
R2711	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.2	-0.1	No
R2711	F 1	W	Residential	65	60	51	50	51	51	50	49	53	51	0	-1.3	No
R2715	GF	S	Residential	65	60	47	46	47	48	46	46	49	48	0.4	-1	No
R2716	GF	W	Residential	65	60	47	46	48	48	47	46	49	48	0.4	-1	No
R2716	F 1	W	Residential	65	60	51	50	51	51	50	49	53	51	-0.3	-1.6	No
R2717	GF	S	Residential	65	60	46	46	47	47	46	45	48	47	0.6	-0.9	No
R2717	F 1	S	Residential	65	60	50	49	50	50	50	48	52	50	-0.3	-1.7	No
R2718	GF	S	Commercial	70	70	52	53	53	54	52	52	54	54	1.4	0.2	No
R2718	F 1	S	Commercial	70	70	53	53	53	54	52	53	54	54	1.3	0.1	No
R2719	GF	S	Residential	65	60	45	45	46	46	45	44	47	46	0.6	-0.7	No
R2719	F 1	S	Residential	65	60	50	49	50	50	49	48	51	50	0.1	-1.4	No
R2719	F 2	S	Residential	65	60	52	51	53	52	52	50	54	52	-0.4	-1.8	No
R2720	GF	S	Residential	65	60	46	46	47	48	46	46	48	48	1	-0.3	No
R2723	GF	N	Residential	65	60	47	45	47	46	46	45	49	46	-0.8	-2.2	No
R2723	F 1	N	Residential	65	60	48	46	48	47	48	45	50	47	-1.1	-2.5	No
R2724	GF	W	Educational institute	55	55	42	43	43	44	42	43	44	44	1.5	0.2	No
R2725	GF	W	Residential	65	60	46	45	46	47	45	45	48	47	0.5	-0.9	No
R2725	F 1	W	Residential	65	60	50	49	50	50	50	48	52	50	-0.4	-1.7	No
R2726	GF	S	Residential	65	60	47	46	47	47	46	46	49	47	0.1	-1.3	No
R2728	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.1	-0.2	No
R2731	GF	S	Residential	65	60	47	47	47	48	46	46	49	48	0.9	-0.4	No
R2734	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	0.7	-0.6	No
R2734	F 1	W	Residential	65	60	49	48	49	49	48	47	50	49	0.1	-1.3	No
R2734	F 2	W	Residential	65	60	52	50	52	52	51	50	53	52	-0.5	-1.9	No
R2735	GF	W	Residential	65	60	45	45	45	46	44	44	46	46	1.2	-0.1	No
R2736	GF	S	Residential	65	60	46	46	46	47	45	46	48	48	1	-0.1	No
R2738	GF	S	Residential	65	60	45	44	45	46	44	44	46	46	0.7	-0.6	No
R2738	F 1	S	Residential	65	60	48	47	49	48	48	46	50	48	-0.5	-1.9	No
R2740	GF	W	Commercial	70	70	51	52	52	53	51	51	53	53	1.4	0.1	No
R2740	F 1	W	Commercial	70	70	52	52	52	53	51	51	53	53	1.3	0.1	No
R2742	GF	S	Residential	65	60	46	45	47	47	46	45	48	47	-0.3	-1.5	No
R2743	GF	W	Residential	65	60	47	47	47	48	46	46	49	48	0.7	-0.7	No
R2744	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	0.9	-0.4	No
R2745	GF	W	Residential	65	60	47	47	48	48	47	47	49	49	0.6	-0.6	No
R2745	F 1	W	Residential	65	60	50	49	50	51	49	49	52	51	0.2	-1.2	No
R2747	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	1	-0.3	No
R2747	F 1	W	Residential	65	60	49	48	50	50	49	48	51	50	-0.1	-1.4	No
R2747	F 2	W	Residential	65	60	52	50	52	52	51	50	54	52	-0.4	-1.8	No
R2749	GF	S	Residential	65	60	45	45	45	46	44	44	46	46	1.3	0	No
R2751	GF	W	Educational institute	55	55	43	44	44	45	43	44	45	45	1.5	0.3	No
R2751	F 1	W	Educational institute	55	55	45	45	45	47	44	45	46	47	1.6	0.1	No
R2752	GF	S	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R2752	F 1	S	Residential	65	60	48	48	48	50	47	48	50	50	1.2	-0.1	No
R2754	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	1.1	-0.3	No
R2754	F 1	W	Residential	65	60	50	49	50	50	49	48	51	50	0.2	-1.1	No
R2755	GF	NW	Active recreation	65	65	49	49	49	50	48	48	50	50	1.1	-0.2	No
R2758	GF	W	Residential	65	60	47	47	47	48	46	46	49	48	1	-0.4	No
R2760	GF	S	Residential	65	60	45	45	46	46	45	44	47	46	0.6	-0.8	No
R2760	F 1	S	Residential	65	60	49	47	49	49	48	47	50	49	0	-1.4	No
R2762	GF	S	Commercial	70	70	50	50	50	52	49	50	52	52	1.4	0.1	No
R2766	GF	W	Residential	65	60	43	43	44	45	42	43	45	45	1.1	-0.1	No
R2767	GF	W	Residential	65	60	45	45	45	47	44	45	46	47	1.5	0.2	No
R2767	F 1	W	Residential	65	60	47	48	48	49	47	47	49	49	1.3	0	No
R2768	GF	NW	Active recreation	65	65	49	49	50	51	48	49	51	51	1.2	-0.1	No
R2771	GF	W	Residential	65	60	44	44	44	46	43	44	45	46	1.6	0.2	No
R2771	F 1	W	Residential	65	60	47	47	47	49	46	47	49	49	1.2	-0.1	No
R2772	GF	W	Residential	65	60	47	47	48	48	47	46	49	48	0.5	-0.8	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2772	F 1	W	Residential	65	60	50	49	51	50	50	49	52	50	-0.1	-1.5	No
R2773	GF	S	Residential	65	60	47	47	48	49	46	47	49	49	1.4	0.1	No
R2774	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	1	-0.3	No
R2776	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.5	0.2	No
R2778	GF	W	Residential	65	60	42	43	42	44	41	42	44	44	1.7	0.3	No
R2779	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.7	-0.6	No
R2782	GF	W	Residential	65	60	48	47	48	48	47	47	49	48	0.5	-0.8	No
R2782	F 1	W	Residential	65	60	50	49	51	51	50	49	52	51	-0.2	-1.5	No
R2785	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.1	No
R2786	GF	W	Residential	65	60	48	47	48	49	47	47	50	49	0.4	-1	No
R2786	F 1	W	Residential	65	60	51	49	51	51	50	49	52	51	-0.3	-1.6	No
R2787	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.2	No
R2788	GF	W	Residential	65	60	48	47	48	49	48	47	50	49	0.5	-0.9	No
R2788	F 1	W	Residential	65	60	51	50	51	51	50	49	53	51	-0.3	-1.6	No
R2788	F 2	W	Residential	65	60	52	51	53	52	52	50	54	52	-0.7	-1.9	No
R2790	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0.1	No
R2791	GF	W	Educational institute	55	55	42	42	42	44	41	42	43	44	1.7	0.3	No
R2791	F 1	W	Educational institute	55	55	43	43	44	45	43	43	45	45	1.4	0.1	No
R2794	GF	W	Residential	65	60	46	45	46	47	45	45	48	47	0.6	-0.8	No
R2795	GF	S	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.5	No
R2795	F 1	S	Residential	65	60	49	48	50	50	49	48	51	50	0.3	-1.1	No
R2796	GF	S	Residential	65	60	48	48	48	50	47	48	50	50	1.3	0.1	No
R2796	F 1	S	Residential	65	60	49	49	49	51	48	49	51	51	1.3	0.1	No
R2798	GF	W	Residential	65	60	46	45	46	47	46	45	48	47	0.2	-1.2	No
R2798	F 1	W	Residential	65	60	49	48	49	49	48	47	51	49	-0.3	-1.7	No
R2800	GF	W	Educational institute	55	55	41	42	42	43	41	42	43	43	1.5	0.3	No
R2800	F 1	W	Educational institute	55	55	44	44	44	46	43	44	45	46	1.6	0.4	No
R2803	GF	W	Residential	65	60	47	46	47	48	46	46	49	48	0.5	-0.8	No
R2804	GF	W	Residential	65	60	47	46	47	48	46	46	49	48	0.3	-1.1	No
R2804	F 1	W	Residential	65	60	50	48	50	50	49	48	52	50	-0.2	-1.6	No
R2806	GF	W	Residential	65	60	48	47	48	48	47	47	49	48	0.3	-1	No
R2806	F 1	W	Residential	65	60	51	49	51	51	50	49	52	51	-0.1	-1.4	No
R2807	GF	W	Residential	65	60	42	43	43	44	41	42	44	44	1.6	0.3	No
R2807	F 1	W	Residential	65	60	45	45	46	47	45	45	47	47	1.1	-0.2	No
R2809	GF	N	Residential	65	60	45	44	45	45	45	43	47	45	-0.2	-1.6	No
R2810	GF	W	Educational institute	55	55	42	43	43	44	42	42	44	44	1.5	0.3	No
R2810	F 1	W	Educational institute	55	55	43	44	44	45	43	43	45	45	1.6	0.2	No
R2811	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.6	-0.7	No
R2812	GF	W	Residential	65	60	47	46	47	47	46	46	49	47	0.3	-1.1	No
R2812	F 1	W	Residential	65	60	50	49	50	50	50	48	52	50	-0.2	-1.5	No
R2812	F 2	W	Residential	65	60	52	50	52	52	51	50	54	52	-0.3	-1.6	No
R2814	GF	W	Educational institute	55	55	40	41	41	42	40	40	42	42	1.5	0.1	No
R2814	F 1	W	Educational institute	55	55	42	43	42	44	42	42	44	44	1.7	0.3	No
R2818	GF	S	Residential	65	60	48	48	48	50	47	48	50	50	1.5	0.2	No
R2818	F 1	S	Residential	65	60	49	49	49	50	48	49	50	50	1.3	0.1	No
R2822	GF	W	Educational institute	55	55	39	39	39	41	38	39	40	41	1.6	0.4	No
R2822	F 1	W	Educational institute	55	55	42	43	42	44	41	42	44	44	1.9	0.7	No
R2823	GF	W	Residential	65	60	45	45	45	46	44	44	47	46	0.8	-0.5	No
R2823	F 1	W	Residential	65	60	48	47	49	49	48	47	50	49	0.4	-1	No
R2824	GF	W	Educational institute	55	55	42	43	42	44	41	42	44	44	1.6	0.3	No
R2824	F 1	W	Educational institute	55	55	43	44	44	45	43	44	45	45	1.6	0.3	No
R2825	GF	W	Residential	65	60	42	43	43	44	42	42	44	44	1.6	0.3	No
R2825	F 1	W	Residential	65	60	45	45	45	46	44	45	46	46	1.4	0.1	No
R2827	GF	S	Residential	65	60	48	48	48	50	47	48	50	50	1.4	0.1	No
R2829	GF	W	Residential	65	60	44	44	45	46	44	44	46	46	1.1	-0.1	No
R2829	F 1	W	Residential	65	60	47	47	48	48	47	46	49	48	0.5	-0.8	No
R2830	GF	W	Residential	65	60	42	43	43	44	42	43	44	44	1.5	0.3	No
R2830	F 1	W	Residential	65	60	46	46	46	47	45	45	48	47	0.9	-0.4	No
R2830	F 2	W	Residential	65	60	50	49	50	51	49	49	51	51	0.6	-0.8	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2831	GF	W	Educational institute	55	55	42	42	42	44	41	42	43	44	1.7	0.4	No
R2831	F 1	W	Educational institute	55	55	43	43	43	45	43	43	45	45	1.5	0.1	No
R2832	GF	W	Educational institute	55	55	41	42	42	43	40	41	43	43	1.6	0.3	No
R2832	F 1	W	Educational institute	55	55	44	44	44	46	43	44	45	46	1.6	0.3	No
R2835	GF	W	Residential	65	60	45	45	46	46	44	44	47	46	0.8	-0.5	No
R2837	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0.1	No
R2837	F 1	W	Residential	65	60	45	45	45	46	44	44	47	46	0.9	-0.4	No
R2841	GF	SW	Residential	65	60	45	45	45	46	44	45	46	46	1.3	0	No
R2842	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0.1	No
R2842	F 1	W	Residential	65	60	47	46	47	48	46	46	48	48	0.8	-0.5	No
R2843	GF	W	Residential	65	60	43	43	44	45	43	43	45	45	1.1	-0.2	No
R2843	F 1	W	Residential	65	60	46	46	47	47	45	45	48	47	0.7	-0.6	No
R2844	GF	S	Residential	65	60	45	45	46	46	45	44	47	46	0.4	-0.9	No
R2845	GF	W	Residential	65	60	46	46	46	47	45	46	47	47	1.3	0.1	No
R2848	GF	W	Residential	65	60	44	44	45	46	44	44	46	46	0.9	-0.4	No
R2848	F 1	W	Residential	65	60	48	47	49	49	48	47	50	49	0.3	-1.1	No
R2850	GF	S	Residential	65	60	48	48	48	50	47	48	49	50	1.4	0.2	No
R2851	GF	N	Residential	65	60	44	43	45	45	44	43	46	45	-0.2	-1.6	No
R2851	F 1	N	Residential	65	60	48	47	48	48	48	46	50	48	-0.2	-1.5	No
R2854	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0	No
R2855	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	0.7	-0.6	No
R2855	F 1	W	Residential	65	60	49	48	49	49	48	47	51	49	-0.1	-1.4	No
R2855	F 2	W	Residential	65	60	52	50	52	51	51	50	53	51	-0.5	-1.9	No
R2857	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.9	-0.5	No
R2857	F 1	W	Residential	65	60	50	49	50	50	49	48	51	50	0.2	-1.2	No
R2862	GF	W	Educational institute	55	55	40	41	41	42	40	41	42	42	1.7	0.4	No
R2862	F 1	W	Educational institute	55	55	43	43	43	45	42	43	45	45	1.6	0.3	No
R2863	GF	W	Residential	65	60	48	47	48	49	47	47	49	49	0.8	-0.5	No
R2863	F 1	W	Residential	65	60	51	50	51	51	50	49	52	51	0.1	-1.2	No
R2865	GF	S	Residential	65	60	47	48	48	49	46	47	49	49	1.4	0.1	No
R2865	F 1	S	Residential	65	60	48	48	49	50	47	48	50	50	1.3	0	No
R2867	GF	W	Residential	65	60	44	44	44	45	43	43	45	45	1.1	-0.3	No
R2868	GF	W	Residential	65	60	47	46	47	48	46	46	49	48	0.6	-0.7	No
R2868	F 1	W	Residential	65	60	50	49	51	51	50	49	52	51	-0.2	-1.5	No
R2870	GF	NW	Active recreation	65	65	49	50	50	51	49	49	51	51	1.3	0	No
R2871	GF	S	Residential	65	60	43	43	43	45	42	43	45	45	1.5	0.2	No
R2873	GF	W	Residential	65	60	48	47	48	49	47	47	49	49	0.7	-0.6	No
R2873	F 1	W	Residential	65	60	51	50	51	51	50	49	52	51	0	-1.3	No
R2873	F 2	W	Residential	65	60	52	50	52	51	51	50	53	51	-0.8	-2	No
R2878	GF	S	Residential	65	60	44	44	45	45	43	43	46	45	0.5	-0.8	No
R2878	F 1	S	Residential	65	60	47	47	48	48	47	46	49	48	0.4	-0.9	No
R2880	GF	W	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.1	No
R2880	F 1	W	Residential	65	60	48	49	49	50	48	48	50	50	1.3	0	No
R2881	GF	S	Residential	65	60	44	44	44	46	43	44	46	46	1.1	-0.2	No
R2882	GF	W	Residential	65	60	45	45	45	47	44	45	46	47	1.4	0.1	No
R2882	F 1	W	Residential	65	60	48	49	49	50	48	48	50	50	1.3	0	No
R2883	GF	W	Residential	65	60	45	44	45	46	44	44	46	46	0.7	-0.6	No
R2883	F 1	W	Residential	65	60	49	48	50	50	49	48	51	50	0	-1.3	No
R2887	GF	W	Residential	65	60	47	47	48	49	46	47	49	49	1.3	0.1	No
R2889	GF	S	Residential	65	60	47	47	47	48	46	46	48	48	1.4	0.1	No
R2889	F 1	S	Residential	65	60	48	48	48	49	47	48	50	50	1.2	0	No
R2890	GF	W	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0.1	No
R2891	GF	W	Active recreation	65	65	45	45	46	47	45	45	47	47	1	-0.4	No
R2891	F 1	W	Active recreation	65	65	47	47	47	48	46	46	48	48	0.9	-0.4	No
R2891	F 2	W	Active recreation	65	65	48	48	48	49	47	47	49	49	1	-0.4	No
R2893	GF	W	Residential	65	60	45	45	45	46	44	44	47	46	0.8	-0.6	No
R2893	F 1	W	Residential	65	60	48	47	49	49	48	47	50	49	0.1	-1.3	No
R2896	GF	W	Residential	65	60	45	44	45	46	44	44	47	46	0.7	-0.6	No
R2897	GF	W	Residential	65	60	46	46	47	48	46	46	48	48	1.4	0	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2033, with wall) Build-No build Day	Increase (2033, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2897	F 1	W	Residential	65	60	47	47	47	48	46	46	48	48	1.2	-0.1	No
R2899	GF	W	Active recreation	65	65	49	49	49	51	48	49	51	51	1.2	-0.1	No
R2902	GF	W	Residential	65	60	44	44	45	45	44	43	46	45	0.5	-0.8	No
R2902	F 1	W	Residential	65	60	48	47	48	48	47	46	50	48	-0.3	-1.6	No
R2902	F 2	W	Residential	65	60	50	49	51	50	50	48	52	50	-0.6	-1.9	No
R2904	GF	W	Residential	65	60	44	44	45	45	43	43	46	45	0.9	-0.4	No
R2904	F 1	W	Residential	65	60	47	46	47	48	47	46	49	48	0.5	-0.9	No
R2905	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.6	0.5	No
R2905	F 1	W	Residential	65	60	47	47	47	48	46	46	48	48	1.3	0	No
R2906	GF	W	Active recreation	65	65	45	45	45	47	44	45	47	47	1.4	0	No
R2907	GF	S	Residential	65	60	48	47	48	49	47	47	50	49	0.3	-1	No
R2909	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.2	No
R2909	F 1	W	Residential	65	60	46	46	47	48	46	46	48	48	1.3	0.1	No
R2910	GF	W	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.3	No
R2910	F 1	W	Residential	65	60	45	45	46	47	45	45	47	47	1.3	0	No
R2913	GF	W	Residential	65	60	43	43	44	45	43	43	45	45	1.4	-0.1	No
R2913	F 1	W	Residential	65	60	46	46	47	47	46	46	48	47	0.9	-0.5	No
R2915	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R2915	F 1	W	Residential	65	60	46	46	46	47	45	45	48	47	0.9	-0.4	No
R2916	GF	S	Residential	65	60	44	44	45	45	44	44	46	46	0.8	-0.4	No
R2916	F 1	S	Residential	65	60	48	47	48	49	47	47	49	49	0.6	-0.6	No
R2919	GF	W	Residential	65	60	46	46	47	47	46	45	48	47	0.8	-0.7	No
R2919	F 1	W	Residential	65	60	49	48	49	50	48	48	51	50	0.4	-1	No
R2920	GF	W	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.3	No
R2920	F 1	W	Residential	65	60	43	43	43	45	43	43	45	45	1.5	0.1	No
R2921	GF	W	Residential	65	60	44	44	45	46	44	44	46	46	1	-0.3	No
R2921	F 1	W	Residential	65	60	48	47	48	49	47	47	50	49	0.5	-0.8	No
R2922	GF	S	Residential	65	60	42	42	43	44	42	42	44	44	0.8	-0.5	No
R2923	GF	N	Residential	65	60	42	42	42	44	41	42	43	44	1.6	0.3	No
R2925	GF	W	Residential	65	60	46	46	47	48	46	46	48	48	0.8	-0.5	No
R2928	GF	W	Residential	65	60	41	42	42	44	41	42	43	44	1.6	0.3	No
R2931	GF	W	Residential	65	60	45	45	46	46	45	44	47	46	0.8	-0.5	No
R2931	F 1	W	Residential	65	60	48	47	49	49	48	47	50	49	0.4	-1	No
R2932	GF	W	Residential	65	60	41	42	42	43	40	41	43	43	1.7	0.4	No
R2932	F 1	W	Residential	65	60	43	43	43	45	42	43	44	45	1.6	0.2	No
R2933	GF	SW	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0.1	No
R2934	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.5	No
R2936	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.7	0.4	No
R2936	F 1	W	Residential	65	60	43	43	43	45	42	43	44	45	1.5	0.2	No
R2937	GF	W	Residential	65	60	41	42	42	43	41	42	43	43	1.6	0.3	No
R2937	F 1	W	Residential	65	60	42	43	43	44	42	43	44	44	1.7	0.4	No
R2938	GF	W	Residential	65	60	41	42	41	43	40	41	43	43	1.6	0.2	No
R2938	F 1	W	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0	No
R2939	GF	W	Residential	65	60	41	41	41	43	40	41	42	43	1.7	0.4	No
R2939	F 1	W	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.1	No
R2940	GF	W	Residential	65	60	44	44	45	46	44	44	46	46	0.9	-0.4	No
R2942	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.6	No
R2942	F 1	W	Residential	65	60	49	48	49	49	48	47	51	49	0.1	-1.2	No
R2943	GF	S	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0.2	No
R2945	GF	S	Residential	65	60	42	43	43	44	42	42	44	44	1.6	0.2	No
R2948	GF	SE	Residential	65	60	41	41	41	43	40	41	42	43	1.5	0.4	No
R2950	GF	S	Residential	65	60	42	42	42	43	41	41	43	43	1.2	0	No
R2951	GF	W	Residential	65	60	46	46	47	47	46	45	48	47	0.7	-0.6	No
R2951	F 1	W	Residential	65	60	49	48	49	50	49	48	51	50	0.3	-1.1	No
R2954	GF	W	Residential	65	60	42	42	42	44	41	42	43	44	1.5	0.2	No
R2955	GF	W	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.2	No
R2956	GF	W	Residential	65	60	41	42	42	43	40	41	43	43	1.7	0.4	No
R2957	GF	W	Residential	65	60	42	43	42	44	41	42	44	44	1.5	0.3	No
R2958	GF	W	Residential	65	60	47	46	47	47	46	45	48	47	0.2	-1.1	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R2959	GF	W	Residential	65	60	42	43	43	44	41	42	44	44	1.5	0.3	No
R2960	GF	S	Residential	65	60	42	42	42	44	41	42	43	44	1.6	0.3	No
R2961	GF	N	Residential	65	60	38	39	39	40	38	39	40	40	1.6	0.2	No
R2961	F 1	N	Residential	65	60	39	39	39	41	39	39	41	41	1.5	0.1	No
R2963	GF	S	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0.1	No
R2964	GF	N	Residential	65	60	39	40	40	41	39	40	41	41	1.6	0.2	No
R2967	GF	NW	Active recreation	65	65	45	44	45	46	44	44	46	46	0.6	-0.7	No
R2968	GF	W	Residential	65	60	43	43	43	44	42	42	45	44	0.7	-0.5	No
R2971	GF	W	Residential	65	60	40	41	41	43	40	41	42	43	1.8	0.6	No
R2971	F 1	W	Residential	65	60	45	44	45	46	44	44	46	46	0.6	-0.8	No
R2973	GF	W	Residential	65	60	40	41	41	42	39	40	42	42	1.8	0.5	No
R2974	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0.1	No
R2975	GF	SW	Residential	65	60	43	44	44	45	43	44	45	46	1.4	0.3	No
R2976	GF	W	Residential	65	60	41	42	42	44	41	42	43	44	1.7	0.3	No
R2977	GF	NW	Active recreation	65	65	44	44	44	45	44	43	46	45	0.7	-0.7	No
R2978	GF	W	Active recreation	65	65	47	48	48	49	46	47	49	49	1.4	0.2	No
R2979	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.1	-0.1	No
R2980	GF	W	Residential	65	60	41	42	42	43	41	42	43	43	1.7	0.4	No
R2982	GF	W	Residential	65	60	45	45	45	46	44	45	46	46	1.2	0	No
R2982	F 1	W	Residential	65	60	47	47	48	49	47	47	49	49	0.8	-0.4	No
R2984	GF	W	Residential	65	60	39	39	39	41	38	39	41	41	1.6	0.3	No
R2984	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.1	No
R2985	GF	S	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0	No
R2989	GF	W	Residential	65	60	40	40	41	42	39	40	42	42	1.1	-0.1	No
R2991	GF	SW	Residential	65	60	44	44	45	46	44	44	46	46	1.3	-0.1	No
R2992	GF	W	Residential	65	60	44	44	44	45	43	43	45	45	1	-0.3	No
R2992	F 1	W	Residential	65	60	47	46	47	48	46	46	48	48	0.7	-0.7	No
R2993	GF	W	Residential	65	60	40	41	41	42	39	40	42	42	1.8	0.5	No
R2993	F 1	W	Residential	65	60	42	42	42	43	41	41	43	43	1.4	0	No
R2994	GF	NW	Residential	65	60	40	40	40	42	39	40	41	42	1.8	0.6	No
R2995	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.2	-0.1	No
R2996	GF	W	Residential	65	60	44	44	45	46	44	44	46	46	0.9	-0.4	No
R2996	F 1	W	Residential	65	60	48	47	48	49	47	47	50	49	0.5	-0.9	No
R2997	GF	W	Residential	65	60	44	44	44	46	44	44	46	46	1.5	0	No
R2999	GF	W	Residential	65	60	38	39	39	41	38	39	40	41	1.8	0.6	No
R2999	F 1	W	Residential	65	60	42	42	42	43	41	42	43	43	1.5	0.2	No
R3001	GF	W	Residential	65	60	40	40	40	42	39	40	41	42	1.8	0.5	No
R3001	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.2	No
R3002	GF	W	Residential	65	60	39	40	40	41	39	39	41	41	1.5	0.1	No
R3002	F 1	W	Residential	65	60	42	42	42	44	41	42	43	44	1.6	0.2	No
R3003	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	0.9	-0.5	No
R3003	F 1	W	Residential	65	60	49	48	49	50	48	48	50	50	0.6	-0.8	No
R3004	GF	W	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.4	No
R3004	F 1	W	Residential	65	60	41	42	42	43	41	42	43	43	1.5	0.2	No
R3005	GF	W	Residential	65	60	46	46	47	47	46	45	48	47	0.6	-0.7	No
R3005	F 1	W	Residential	65	60	49	48	49	50	49	48	51	50	0.3	-1.1	No
R3006	GF	W	Residential	65	60	46	45	46	47	45	45	48	47	0.5	-0.7	No
R3006	F 1	W	Residential	65	60	49	48	49	50	48	48	51	50	0.3	-1.1	No
R3007	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0	No
R3008	GF	W	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.4	No
R3008	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3009	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.9	-0.5	No
R3010	GF	S	Residential	65	60	44	44	45	46	44	44	46	46	1.2	-0.1	No
R3010	F 1	S	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R3014	GF	S	Active recreation	65	65	45	46	46	47	45	45	47	47	1.4	0.1	No
R3016	GF	W	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.5	No
R3016	F 1	W	Residential	65	60	49	48	49	49	48	47	50	49	0.2	-1.2	No
R3017	GF	W	Residential	65	60	45	45	46	47	45	45	47	47	0.9	-0.4	No
R3017	F 1	W	Residential	65	60	48	48	49	49	48	47	50	49	0.2	-1.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3019	GF	W	Residential	65	60	40	41	40	42	39	40	42	42	1.7	0.5	No
R3020	GF	N	Residential	65	60	40	40	40	42	39	40	41	42	1.5	0.2	No
R3021	GF	W	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.4	No
R3021	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.6	0.3	No
R3021	F 2	W	Residential	65	60	43	43	43	44	42	43	44	44	1.5	0.1	No
R3023	GF	W	Residential	65	60	45	45	45	46	44	44	47	46	0.7	-0.6	No
R3023	F 1	W	Residential	65	60	48	47	49	49	48	47	50	49	0.1	-1.3	No
R3024	GF	S	Residential	65	60	39	39	39	41	38	39	40	41	1.9	0.6	No
R3025	GF	N	Residential	65	60	45	46	46	47	45	45	47	47	1.2	-0.1	No
R3027	GF	W	Residential	65	60	44	44	45	46	43	44	46	46	1.3	0.1	No
R3028	GF	W	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.1	No
R3030	GF	W	Residential	65	60	44	44	44	45	44	43	46	45	0.9	-0.4	No
R3033	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.2	-0.1	No
R3034	GF	W	Residential	65	60	43	43	44	45	43	43	45	45	0.9	-0.3	No
R3034	F 1	W	Residential	65	60	47	47	48	48	47	46	49	48	0.4	-0.9	No
R3038	GF	S	Residential	65	60	46	46	46	47	45	45	47	47	1.3	-0.1	No
R3040	GF	W	Residential	65	60	42	42	42	44	41	42	43	44	1.4	0.2	No
R3040	F 1	W	Residential	65	60	45	45	46	47	45	45	47	47	0.8	-0.5	No
R3041	GF	W	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0.1	No
R3042	GF	W	Residential	65	60	43	43	43	44	42	43	44	44	1.4	0.1	No
R3042	F 1	W	Residential	65	60	46	46	47	48	46	46	48	48	0.8	-0.5	No
R3043	GF	S	Residential	65	60	37	38	37	39	36	37	39	39	1.8	0.5	No
R3043	F 1	S	Residential	65	60	40	40	40	42	39	40	41	42	1.7	0.3	No
R3046	GF	W	Residential	65	60	46	46	46	48	45	46	47	48	1.5	0.2	No
R3047	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3047	F 1	W	Residential	65	60	47	47	48	49	47	47	49	49	1.1	-0.2	No
R3048	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.4	0.2	No
R3049	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.6	0.4	No
R3049	F 1	W	Residential	65	60	40	41	41	42	40	41	42	42	1.6	0.3	No
R3049	F 2	W	Residential	65	60	42	42	42	44	41	42	44	44	1.5	0.1	No
R3050	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.2	0	No
R3051	GF	W	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0.1	No
R3051	F 1	W	Residential	65	60	44	43	44	45	43	43	46	45	0.5	-0.9	No
R3053	GF	W	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0.1	No
R3054	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0	No
R3054	F 1	W	Residential	65	60	47	47	47	49	46	47	49	49	1.2	-0.1	No
R3055	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.5	0.2	No
R3055	F 1	W	Residential	65	60	44	43	44	45	43	43	45	45	0.8	-0.4	No
R3058	GF	W	Residential	65	60	43	43	43	44	42	42	44	44	1.1	-0.2	No
R3058	F 1	W	Residential	65	60	49	48	49	49	48	47	50	49	0.3	-1	No
R3060	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3060	F 1	W	Residential	65	60	47	47	47	48	46	46	48	48	1.1	-0.2	No
R3061	GF	W	Residential	65	60	40	41	40	42	39	40	42	42	1.7	0.4	No
R3061	F 1	W	Residential	65	60	42	42	43	44	42	42	44	44	1.2	-0.1	No
R3064	GF	W	Residential	65	60	46	47	47	48	45	46	48	48	1.4	0.2	No
R3067	GF	W	Residential	65	60	39	40	40	42	39	40	41	42	1.7	0.5	No
R3070	GF	W	Residential	65	60	45	45	45	46	44	44	46	46	1.3	0.1	No
R3071	GF	S	Residential	65	60	46	46	47	48	45	46	48	48	1.1	-0.2	No
R3071	F 1	S	Residential	65	60	47	47	48	49	47	47	49	49	0.8	-0.5	No
R3072	GF	S	Residential	65	60	38	39	38	40	37	38	40	40	1.5	0.3	No
R3073	GF	W	Residential	65	60	40	41	41	43	40	41	42	43	1.6	0.3	No
R3074	GF	W	Residential	65	60	47	47	47	48	46	46	48	48	1.2	0	No
R3076	GF	W	Residential	65	60	45	46	46	47	45	45	47	47	1.5	0.2	No
R3077	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0	No
R3077	F 1	W	Residential	65	60	48	48	48	49	47	47	49	49	0.8	-0.5	No
R3077	F 2	W	Residential	65	60	47	47	47	48	46	46	49	48	0.5	-0.8	No
R3078	GF	W	Residential	65	60	39	40	40	41	39	40	41	41	1.7	0.5	No
R3078	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.2	No
R3081	GF	W	Residential	65	60	39	40	40	42	39	40	41	42	1.7	0.4	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3081	F 1	W	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0.1	No
R3083	GF	W	Residential	65	60	43	43	44	45	42	43	45	45	1.3	0	No
R3083	F 1	W	Residential	65	60	48	48	48	49	47	47	49	49	1	-0.3	No
R3086	GF	W	Residential	65	60	39	40	40	41	39	40	41	41	1.7	0.5	No
R3086	F 1	W	Residential	65	60	41	41	41	43	40	41	43	43	1.5	0.1	No
R3086	F 2	W	Residential	65	60	41	41	41	42	40	40	43	42	1.2	-0.2	No
R3089	GF	W	Residential	65	60	47	47	47	49	46	47	49	49	1.2	-0.2	No
R3091	GF	W	Residential	65	60	39	40	39	41	38	39	41	41	1.8	0.5	No
R3091	F 1	W	Residential	65	60	39	39	39	41	38	39	41	41	1.6	0.2	No
R3092	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.2	No
R3096	GF	S	Residential	65	60	39	39	39	41	38	39	40	41	1.6	0.4	No
R3098	GF	W	Residential	65	60	38	39	39	41	38	39	40	41	1.8	0.6	No
R3098	F 1	W	Residential	65	60	40	41	41	42	39	40	42	42	1.6	0.2	No
R3099	GF	S	Residential	65	60	39	40	40	41	38	39	41	41	1.5	0.2	No
R3101	GF	W	Residential	65	60	38	39	39	41	38	39	40	41	1.7	0.5	No
R3101	F 1	W	Residential	65	60	40	41	41	42	39	40	42	42	1.5	0.2	No
R3102	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3102	F 1	S	Residential	65	60	46	46	46	48	45	46	48	48	1.5	0	No
R3103	GF	W	Residential	65	60	39	39	39	41	38	39	40	41	1.8	0.6	No
R3103	F 1	W	Residential	65	60	40	41	40	42	39	40	42	42	1.6	0.3	No
R3105	GF	W	Residential	65	60	45	45	45	47	44	45	47	47	1.5	0.1	No
R3107	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.7	0.4	No
R3107	F 1	W	Residential	65	60	39	40	40	41	39	40	41	41	1.6	0.3	No
R3110	GF	W	Residential	65	60	41	41	41	43	40	41	42	43	1.5	0.3	No
R3111	GF	W	Residential	65	60	43	43	43	44	42	42	45	44	1	-0.5	No
R3111	F 1	W	Residential	65	60	47	46	47	48	46	46	49	48	0.4	-1.1	No
R3113	GF	W	Residential	65	60	38	39	39	41	38	39	40	41	1.9	0.6	No
R3117	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.7	0.5	No
R3117	F 1	W	Residential	65	60	39	40	40	41	39	39	41	41	1.5	0.3	No
R3117	F 2	W	Residential	65	60	41	41	41	42	40	40	42	42	1.4	0	No
R3118	GF	W	Residential	65	60	39	40	40	41	38	39	41	41	1.6	0.4	No
R3119	GF	W	Residential	65	60	41	41	42	43	41	41	43	43	1.1	-0.2	No
R3119	F 1	W	Residential	65	60	44	44	45	45	44	43	46	45	0.5	-0.9	No
R3120	GF	W	Residential	65	60	40	41	41	42	40	40	42	42	1.3	0.1	No
R3120	F 1	W	Residential	65	60	44	44	45	45	44	44	46	46	0.8	-0.5	No
R3121	GF	W	Residential	65	60	45	45	46	47	44	45	47	47	1.3	0.1	No
R3122	GF	W	Residential	65	60	39	39	39	41	38	39	41	41	1.5	0.3	No
R3122	F 1	W	Residential	65	60	46	46	46	47	45	45	47	47	1.1	-0.2	No
R3122	F 2	W	Residential	65	60	46	46	46	47	45	45	48	47	0.8	-0.6	No
R3123	GF	W	Residential	65	60	39	40	40	41	38	39	41	41	1.5	0.3	No
R3125	GF	S	Residential	65	60	41	41	42	43	41	41	43	43	1.4	0	No
R3126	GF	S	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3126	F 1	S	Residential	65	60	46	46	47	48	46	46	48	48	1.3	0.1	No
R3128	GF	W	Residential	65	60	46	46	46	47	45	45	47	47	1.3	0	No
R3132	GF	W	Residential	65	60	40	41	41	42	40	40	42	42	1.1	-0.1	No
R3132	F 1	W	Residential	65	60	44	43	45	45	44	43	46	45	0.1	-1.2	No
R3137	GF	W	Residential	65	60	42	42	42	43	41	41	43	43	1.3	0	No
R3137	F 1	W	Residential	65	60	45	44	45	46	44	44	46	46	0.9	-0.5	No
R3139	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.7	0.5	No
R3140	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.6	0.4	No
R3142	GF	S	Residential	65	60	46	47	47	48	46	46	48	48	1.4	0.1	No
R3143	GF	W	Residential	65	60	39	40	39	41	38	39	40	41	1.8	0.6	No
R3144	GF	W	Residential	65	60	40	41	41	42	39	40	42	42	1.7	0.4	No
R3144	F 1	W	Residential	65	60	42	42	42	44	41	42	44	44	1.2	-0.1	No
R3148	GF	NW	Residential	65	60	44	44	44	46	43	44	46	46	1.5	0.1	No
R3149	GF	W	Residential	65	60	40	41	41	42	39	40	42	42	1.6	0.4	No
R3153	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.4	0.1	No
R3153	F 1	W	Residential	65	60	43	43	43	44	42	42	45	44	0.9	-0.5	No
R3155	GF	W	Residential	65	60	39	40	40	42	39	40	41	42	1.7	0.4	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3156	GF	S	Residential	65	60	38	39	39	41	37	39	40	41	2	0.8	No
R3159	GF	W	Residential	65	60	46	46	46	48	45	46	48	48	1.4	0	No
R3160	GF	W	Residential	65	60	37	38	38	39	36	37	39	39	1.7	0.4	No
R3160	F 1	W	Residential	65	60	39	40	40	41	39	39	41	41	1.6	0.4	No
R3161	GF	W	Residential	65	60	39	40	39	41	38	39	41	41	1.6	0.4	No
R3161	F 1	W	Residential	65	60	41	41	41	43	40	41	43	43	1.2	-0.1	No
R3161	F 2	W	Residential	65	60	43	43	44	44	43	43	45	44	0.7	-0.5	No
R3162	GF	W	Residential	65	60	38	39	39	40	37	39	40	40	1.8	0.6	No
R3164	GF	NW	Residential	65	60	45	45	45	46	44	44	46	46	1.3	-0.1	No
R3166	GF	W	Residential	65	60	39	39	39	41	38	39	41	41	1.7	0.4	No
R3166	F 1	W	Residential	65	60	41	41	41	42	40	40	42	42	1.3	0	No
R3169	GF	W	Residential	65	60	38	39	39	41	37	39	40	40	1.9	0.6	No
R3176	GF	N	Residential	65	60	36	37	36	39	35	37	38	39	2.2	0.9	No
R3176	F 1	N	Residential	65	60	37	38	38	40	37	38	39	40	1.9	0.5	No
R3177	GF	W	Residential	65	60	39	40	40	41	38	39	41	41	1.6	0.4	No
R3178	GF	W	Residential	65	60	39	40	39	41	38	39	41	41	1.7	0.4	No
R3178	F 1	W	Residential	65	60	41	41	41	42	40	41	42	42	1.3	0	No
R3180	GF	W	Residential	65	60	43	43	43	45	42	43	45	45	1.4	0.2	No
R3180	F 1	W	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0.2	No
R3181	GF	W	Residential	65	60	39	39	39	41	38	39	40	41	1.7	0.4	No
R3181	F 1	W	Residential	65	60	38	39	39	40	38	38	40	40	1.4	0.1	No
R3186	GF	S	Residential	65	60	37	37	37	39	36	37	38	39	1.8	0.5	No
R3186	F 1	S	Residential	65	60	37	38	38	40	37	38	39	40	1.8	0.5	No
R3188	GF	W	Residential	65	60	44	44	44	45	43	44	45	45	1.4	0.1	No
R3188	F 1	W	Residential	65	60	44	44	44	46	43	44	46	46	1.2	-0.1	No
R3191	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	1.9	0.7	No
R3191	F 1	W	Residential	65	60	39	39	39	41	38	39	41	41	1.6	0.2	No
R3193	GF	S	Residential	65	60	44	44	45	46	43	44	46	46	1.4	0.1	No
R3194	GF	W	Residential	65	60	44	44	44	46	43	44	46	46	1.2	0	No
R3196	GF	W	Residential	65	60	38	39	38	40	37	38	39	40	1.9	0.7	No
R3198	GF	NW	Residential	65	60	46	46	46	47	45	45	47	47	1	-0.2	No
R3199	GF	S	Residential	65	60	37	38	38	39	36	37	39	39	1.7	0.5	No
R3202	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.8	0.6	No
R3202	F 1	W	Residential	65	60	39	39	39	41	38	39	41	41	1.6	0.3	No
R3203	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.8	0.5	No
R3203	F 1	W	Residential	65	60	39	40	40	41	38	39	41	41	1.5	0.3	No
R3204	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.4	0	No
R3204	F 1	W	Residential	65	60	46	46	46	47	45	46	48	47	1.1	-0.1	No
R3206	GF	NW	Residential	65	60	45	46	46	47	44	45	47	47	1.3	0.2	No
R3206	F 1	NW	Residential	65	60	47	47	47	48	46	46	48	48	1.4	0.2	No
R3209	GF	W	Residential	65	60	43	43	43	45	42	43	45	45	1.4	0.1	No
R3210	GF	S	Residential	65	60	41	41	41	43	40	41	43	43	1.4	-0.1	No
R3211	GF	S	Residential	65	60	36	37	37	38	35	36	38	38	1.8	0.6	No
R3211	F 1	S	Residential	65	60	38	38	38	40	37	38	39	40	1.7	0.5	No
R3212	GF	W	Residential	65	60	36	37	37	38	35	37	38	38	1.8	0.5	No
R3212	F 1	W	Residential	65	60	38	38	38	40	37	38	40	40	1.6	0.3	No
R3213	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.5	0.2	No
R3213	F 1	W	Residential	65	60	43	43	44	45	43	43	45	45	1.2	-0.1	No
R3216	GF	S	Residential	65	60	44	44	44	45	43	44	45	45	1.3	0	No
R3218	GF	W	Residential	65	60	41	41	41	43	40	41	42	43	1.5	0.2	No
R3220	GF	NW	Residential	65	60	44	44	45	46	44	44	46	46	1.4	0.1	No
R3220	F 1	NW	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0.1	No
R3221	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	2	0.8	No
R3221	F 1	W	Residential	65	60	39	39	39	41	38	39	40	41	1.5	0.3	No
R3222	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	2	0.7	No
R3223	GF	W	Residential	65	60	40	41	41	42	40	40	42	42	1.6	0.3	No
R3226	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	1.9	0.7	No
R3228	GF	NW	Residential	65	60	43	43	44	45	42	43	45	45	1.1	-0.2	No
R3230	GF	S	Residential	65	60	44	44	44	46	43	44	46	46	1.2	-0.2	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3231	GF	W	Residential	65	60	39	40	40	41	38	39	41	41	1.6	0.4	No
R3231	F 1	W	Residential	65	60	42	42	42	44	41	42	44	44	1.2	-0.2	No
R3234	GF	W	Residential	65	60	42	43	43	44	41	42	44	44	1.4	0.1	No
R3235	GF	W	Residential	65	60	39	39	39	41	38	39	41	41	1.5	0.2	No
R3236	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.9	0.6	No
R3236	F 1	W	Residential	65	60	40	40	40	42	39	40	41	42	1.5	0.2	No
R3238	GF	W	Residential	65	60	39	39	39	41	38	39	40	41	1.6	0.4	No
R3238	F 1	W	Residential	65	60	41	41	42	43	40	41	43	43	1.3	0.1	No
R3239	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.7	0.5	No
R3239	F 1	W	Residential	65	60	39	40	40	41	39	39	41	41	1.6	0.3	No
R3240	GF	S	Residential	65	60	43	43	44	45	43	43	45	45	1.3	-0.1	No
R3241	GF	W	Residential	65	60	38	39	39	40	37	38	40	40	1.7	0.4	No
R3241	F 1	W	Residential	65	60	41	41	41	42	40	40	42	42	1.4	0	No
R3243	GF	NW	Residential	65	60	43	43	44	45	43	43	45	45	0.9	-0.4	No
R3244	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.7	0.4	No
R3244	F 1	W	Residential	65	60	40	40	40	42	39	40	41	42	1.5	0.2	No
R3247	GF	W	Residential	65	60	38	39	38	40	37	38	40	40	1.7	0.4	No
R3248	GF	W	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0.1	No
R3250	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	1.9	0.6	No
R3250	F 1	W	Residential	65	60	39	39	39	41	38	39	40	41	1.6	0.3	No
R3253	GF	W	Residential	65	60	37	38	38	39	36	38	39	39	1.8	0.6	No
R3253	F 1	W	Residential	65	60	37	37	37	39	36	37	38	39	1.6	0.3	No
R3254	GF	NW	Residential	65	60	43	44	44	45	43	43	45	45	1.2	0	No
R3257	GF	S	Industrial	n/a	n/a	41	41	41	43	41	41	43	43	1.2	-0.1	No
R3257	F 1	S	Industrial	n/a	n/a	43	43	43	44	42	43	45	44	1.1	-0.2	No
R3258	GF	W	Residential	65	60	37	38	38	40	36	38	39	40	1.9	0.6	No
R3258	F 1	W	Residential	65	60	38	39	39	40	38	39	40	40	1.7	0.4	No
R3262	GF	W	Residential	65	60	37	38	37	39	36	37	39	39	1.9	0.7	No
R3263	GF	S	Residential	65	60	36	37	36	38	35	36	38	38	1.7	0.5	No
R3263	F 1	S	Residential	65	60	38	38	38	40	37	38	40	40	1.4	0.1	No
R3264	GF	W	Residential	65	60	37	38	38	39	36	37	39	39	1.8	0.6	No
R3264	F 1	W	Residential	65	60	37	38	38	39	37	37	39	39	1.5	0.2	No
R3266	GF	NW	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0	No
R3268	GF	E	Residential	65	60	37	38	37	39	36	37	39	39	1.8	0.6	No
R3272	GF	W	Residential	65	60	37	38	37	39	36	37	39	39	1.9	0.6	No
R3272	F 1	W	Residential	65	60	38	38	38	40	37	38	40	40	1.6	0.3	No
R3275	GF	W	Residential	65	60	37	38	37	39	36	37	39	39	1.9	0.6	No
R3275	F 1	W	Residential	65	60	38	39	38	40	37	38	40	40	1.6	0.3	No
R3277	GF	W	Residential	65	60	37	37	37	39	36	37	38	39	1.8	0.5	No
R3281	GF	W	Residential	65	60	37	38	38	39	36	37	39	39	1.7	0.5	No
R3281	F 1	W	Residential	65	60	38	39	38	40	37	38	40	40	1.6	0.2	No
R3283	GF	W	Residential	65	60	37	38	37	39	36	37	39	39	1.8	0.4	No
R3284	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.4	0	No
R3286	GF	W	Residential	65	60	39	39	39	41	38	39	41	41	1.5	0.2	No
R3288	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	1.9	0.6	No
R3289	GF	S	Residential	65	60	44	45	45	46	44	44	46	46	1.2	0	No
R3298	GF	W	Residential	65	60	43	43	43	45	42	43	44	44	1.4	0.1	No
R3298	F 1	W	Residential	65	60	46	46	47	48	45	46	48	48	1.4	0.1	No
R3300	GF	W	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0	No
R3300	F 1	W	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R3301	GF	W	Residential	65	60	37	38	38	40	37	38	39	40	1.8	0.6	No
R3301	F 1	W	Residential	65	60	40	41	40	42	39	40	42	42	1.6	0.3	No
R3302	GF	SW	Residential	65	60	40	41	41	42	40	40	42	42	1.4	0.1	No
R3303	GF	W	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.1	No
R3303	F 1	W	Residential	65	60	45	45	45	46	44	45	46	46	1.4	0.1	No
R3304	GF	SE	Residential	65	60	43	43	43	44	42	42	44	44	1.1	-0.3	No
R3307	GF	W	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3307	F 1	W	Residential	65	60	43	43	43	45	42	43	45	45	1.2	0	No
R3308	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.3	0.1	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3309	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.9	0.7	No
R3309	F 1	W	Residential	65	60	38	38	38	40	37	38	39	40	1.5	0.3	No
R3310	GF	NW	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0.1	No
R3311	GF	W	Residential	65	60	43	43	43	45	42	43	45	45	1.3	0.1	No
R3312	GF	W	Residential	65	60	37	37	37	39	36	37	38	39	1.8	0.5	No
R3312	F 1	W	Residential	65	60	39	39	39	41	38	39	40	41	1.4	0.2	No
R3312	F 2	W	Residential	65	60	39	39	39	40	38	38	40	40	0.9	-0.3	No
R3314	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.3	0	No
R3314	F 1	W	Residential	65	60	46	46	46	47	45	45	47	47	1.3	0	No
R3317	GF	W	Residential	65	60	40	41	41	42	40	40	42	42	1.4	0.1	No
R3318	GF	W	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3319	GF	W	Residential	65	60	42	42	42	44	41	42	43	44	1.4	0.2	No
R3322	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.9	0.6	No
R3322	F 1	W	Residential	65	60	36	37	37	38	36	36	38	38	1.5	0.2	No
R3325	GF	S	Residential	65	60	37	37	37	39	36	37	38	39	1.5	0.3	No
R3326	GF	W	Residential	65	60	40	40	40	42	39	40	42	42	1.4	0	No
R3326	F 1	W	Residential	65	60	44	44	45	46	43	44	46	46	1.1	-0.3	No
R3327	GF	NW	Residential	65	60	41	42	42	43	41	41	43	43	1.3	0	No
R3331	GF	SW	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3331	F 1	SW	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0.1	No
R3334	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.8	0.5	No
R3334	F 1	W	Residential	65	60	38	38	38	40	37	38	39	40	1.5	0.3	No
R3335	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.7	0.5	No
R3335	F 1	W	Residential	65	60	38	38	38	40	37	38	39	40	1.6	0.3	No
R3336	GF	W	Residential	65	60	36	37	37	38	35	36	38	38	1.8	0.5	No
R3336	F 1	W	Residential	65	60	37	38	38	39	37	38	39	39	1.5	0.2	No
R3339	GF	S	Industrial	n/a	n/a	39	39	40	41	39	39	41	41	1.2	-0.1	No
R3339	F 1	S	Industrial	n/a	n/a	41	41	41	42	40	40	42	42	1.1	-0.1	No
R3340	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.9	0.6	No
R3340	F 1	W	Residential	65	60	37	38	38	39	36	37	39	39	1.6	0.4	No
R3344	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.8	0.5	No
R3346	GF	W	Residential	65	60	38	38	38	40	37	38	39	40	1.7	0.5	No
R3346	F 1	W	Residential	65	60	40	40	40	42	39	40	41	42	1.5	0.2	No
R3347	GF	S	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3348	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.8	0.5	No
R3348	F 1	W	Residential	65	60	37	38	38	39	37	37	39	39	1.6	0.4	No
R3349	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.8	0.6	No
R3350	GF	W	Residential	65	60	41	42	42	43	41	41	43	43	1.3	0	No
R3350	F 1	W	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3351	GF	W	Residential	65	60	37	37	37	39	36	37	38	39	1.8	0.7	No
R3352	GF	W	Residential	65	60	40	40	40	42	39	40	42	42	1.4	0.1	No
R3352	F 1	W	Residential	65	60	43	43	44	45	43	43	45	45	1.2	-0.1	No
R3356	GF	W	Residential	65	60	36	37	37	38	35	37	38	38	1.9	0.7	No
R3356	F 1	W	Residential	65	60	37	38	37	39	36	37	39	39	1.6	0.3	No
R3358	GF	E	Residential	65	60	41	42	42	43	40	41	43	43	1.3	0.1	No
R3359	GF	S	Residential	65	60	41	42	42	43	41	41	43	43	1.4	0	No
R3360	GF	E	Residential	65	60	43	43	44	45	43	43	45	45	1.1	-0.1	No
R3364	GF	E	Residential	65	60	44	45	45	46	44	44	46	46	1.3	-0.1	No
R3366	GF	NW	Residential	65	60	41	42	42	43	41	41	43	43	1.5	0.2	No
R3368	GF	SE	Residential	65	60	42	42	43	44	42	42	44	44	1.3	-0.1	No
R3373	GF	E	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0	No
R3374	GF	N	Residential	65	60	41	41	42	43	40	41	43	43	1.4	0.1	No
R3378	GF	NW	Residential	65	60	41	41	41	43	40	41	43	43	1.3	-0.1	No
R3378	F 1	NW	Residential	65	60	42	42	43	44	42	42	44	44	1.2	-0.1	No
R3381	GF	W	Residential	65	60	36	37	37	38	35	37	38	38	1.8	0.5	No
R3382	GF	SW	Residential	65	60	43	44	44	45	43	43	45	45	1.2	-0.1	No
R3384	GF	S	Residential	65	60	42	42	42	44	41	42	44	44	1.3	0	No
R3384	F 1	S	Residential	65	60	44	44	45	46	44	44	46	46	1.3	-0.1	No
R3387	GF	SW	Residential	65	60	43	43	44	45	43	43	45	45	1.3	0	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3387	F 1	SW	Residential	65	60	45	46	46	47	45	45	47	47	1.3	0	No
R3388	GF	W	Residential	65	60	36	37	36	38	35	36	38	38	1.8	0.5	No
R3388	F 1	W	Residential	65	60	37	38	38	40	37	38	39	40	1.6	0.4	No
R3390	GF	SW	Residential	65	60	44	44	44	45	43	43	45	45	1.3	-0.1	No
R3392	GF	W	Residential	65	60	36	37	37	39	35	37	38	39	1.9	0.6	No
R3392	F 1	W	Residential	65	60	37	38	38	40	37	38	39	40	1.6	0.3	No
R3396	GF	W	Residential	65	60	45	45	45	46	44	44	46	46	1.1	-0.3	No
R3396	F 1	W	Residential	65	60	45	45	45	46	44	44	46	46	1.2	-0.1	No
R3397	GF	SE	Residential	65	60	40	40	41	42	40	40	42	42	1	-0.3	No
R3398	GF	W	Residential	65	60	36	37	36	38	35	36	37	38	1.8	0.6	No
R3398	F 1	W	Residential	65	60	37	37	37	39	36	37	38	39	1.6	0.4	No
R3399	GF	W	Residential	65	60	45	46	46	47	45	45	47	47	1.4	0	No
R3399	F 1	W	Residential	65	60	46	46	46	48	45	46	48	48	1.3	0	No
R3400	GF	W	Residential	65	60	44	44	44	46	43	44	46	46	1.3	0	No
R3403	GF	W	Residential	65	60	36	37	37	38	35	36	38	38	1.7	0.5	No
R3403	F 1	W	Residential	65	60	37	38	38	39	36	37	39	39	1.5	0.3	No
R3405	GF	SW	Residential	65	60	43	43	44	45	43	43	45	45	1.2	-0.2	No
R3406	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.7	0.5	No
R3406	F 1	W	Residential	65	60	37	38	38	39	36	37	39	39	1.5	0.3	No
R3407	GF	S	Residential	65	60	44	44	44	45	43	44	45	45	1.3	-0.1	No
R3411	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.8	0.6	No
R3411	F 1	W	Residential	65	60	37	37	37	39	36	37	38	39	1.6	0.3	No
R3412	GF	NW	Residential	65	60	45	45	45	47	44	45	47	47	1.4	0	No
R3412	F 1	NW	Residential	65	60	46	47	47	48	46	46	48	48	1.3	0	No
R3413	GF	W	Industrial	n/a	n/a	40	41	41	42	40	40	42	42	1.3	0	No
R3414	GF	W	Residential	65	60	36	37	37	38	35	37	38	38	1.8	0.5	No
R3414	F 1	W	Residential	65	60	37	37	37	39	36	37	39	39	1.6	0.4	No
R3416	GF	SW	Residential	65	60	45	45	46	47	45	45	47	47	1.2	-0.1	No
R3421	GF	W	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0.1	No
R3421	F 1	W	Residential	65	60	46	46	46	47	45	45	47	47	1.3	0.1	No
R3422	GF	SW	Residential	65	60	41	42	42	43	41	41	43	43	1.3	0	No
R3426	GF	W	Residential	65	60	36	37	36	38	35	36	38	38	1.8	0.6	No
R3426	F 1	W	Residential	65	60	38	39	38	40	37	38	40	40	1.6	0.3	No
R3428	GF	NW	Residential	65	60	43	43	44	45	42	43	45	45	1.3	0	No
R3430	GF	S	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.1	No
R3430	F 1	S	Residential	65	60	45	45	45	47	44	45	47	47	1.3	0	No
R3432	GF	W	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0.1	No
R3433	GF	SE	Residential	65	60	41	40	41	42	40	40	42	42	1.1	-0.1	No
R3436	GF	NW	Residential	65	60	42	42	43	44	41	42	44	44	1.3	0	No
R3436	F 1	NW	Residential	65	60	45	46	46	47	45	45	47	47	1.2	0	No
R3438	GF	W	Residential	65	60	44	45	45	46	44	44	46	46	1.2	-0.1	No
R3440	GF	W	Residential	65	60	36	36	36	38	35	36	37	38	1.8	0.6	No
R3445	GF	W	Residential	65	60	44	44	45	46	43	44	46	46	1.3	0.1	No
R3446	GF	S	Residential	65	60	35	36	36	38	35	36	37	38	1.9	0.7	No
R3448	GF	S	Residential	65	60	36	36	36	38	35	36	37	38	1.6	0.4	No
R3448	F 1	S	Residential	65	60	39	39	39	41	39	39	41	41	1.1	-0.2	No
R3450	GF	SE	Residential	65	60	40	40	40	41	39	39	42	41	1.4	-0.1	No
R3451	GF	W	Residential	65	60	35	36	36	38	35	36	37	38	1.7	0.4	No
R3452	GF	W	Residential	65	60	43	43	44	45	42	43	45	45	1.3	0.1	No
R3454	GF	S	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0.1	No
R3457	GF	NW	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0.1	No
R3459	GF	W	Residential	65	60	43	43	44	45	43	43	45	45	1.1	-0.2	No
R3466	GF	NW	Residential	65	60	45	45	45	46	44	44	46	46	1.2	-0.1	No
R3466	F 1	NW	Residential	65	60	45	46	46	47	45	45	47	47	1.2	-0.1	No
R3467	GF	S	Residential	65	60	37	37	37	39	36	37	39	39	1.5	0.2	No
R3467	F 1	S	Residential	65	60	37	37	38	39	37	37	39	39	1.3	0	No
R3468	GF	NW	Residential	65	60	41	41	41	42	40	40	42	42	1.2	-0.1	No
R3468	F 1	NW	Residential	65	60	42	43	43	44	42	42	44	44	1.4	0.1	No
R3469	GF	W	Residential	65	60	45	45	45	46	44	44	46	46	1.3	0	No

Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	Increase (2023, with wall) Build-No build Day	Increase (2023, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3470	GF	W	Residential	65	60	36	37	37	38	35	36	38	38	1.8	0.6	No
R3470	F 1	W	Residential	65	60	37	37	37	39	36	37	38	39	1.7	0.4	No
R3471	GF	NW	Residential	65	60	43	43	43	45	42	43	44	44	1.3	0	No
R3471	F 1	NW	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0	No
R3475	GF	S	Residential	65	60	43	43	43	44	42	43	44	44	1.3	0.1	No
R3476	GF	W	Residential	65	60	36	37	37	38	36	37	38	38	1.7	0.4	No
R3478	GF	NW	Residential	65	60	44	44	44	45	43	43	45	45	1.3	0	No
R3481	GF	W	Residential	65	60	46	46	46	47	45	45	47	47	1.2	-0.1	No
R3482	GF	W	Residential	65	60	46	46	46	47	45	46	47	47	1.4	0	No
R3482	F 1	W	Residential	65	60	46	46	47	48	46	46	48	48	1.3	0	No
R3483	GF	SW	Residential	65	60	42	42	42	44	41	42	44	44	1.4	0.1	No
R3484	GF	W	Residential	65	60	45	45	45	46	44	44	46	46	1.3	0	No
R3486	GF	SW	Residential	65	60	40	41	41	42	40	40	42	42	1.5	0.2	No
R3487	GF	SE	Industrial	n/a	n/a	39	39	39	41	38	39	40	41	1.5	0.2	No
R3488	GF	W	Residential	65	60	36	37	36	38	35	36	37	38	1.8	0.6	No
R3494	GF	NW	Residential	65	60	42	43	43	44	42	42	44	44	1.3	0.1	No
R3494	F 1	NW	Residential	65	60	44	45	45	46	44	44	46	46	1.3	-0.1	No
R3496	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.3	0	No
R3496	F 1	W	Residential	65	60	43	43	44	45	43	43	45	45	1.3	0	No
R3498	GF	SE	Residential	65	60	39	39	40	41	39	39	41	41	1.3	-0.1	No
R3499	GF	W	Residential	65	60	36	36	36	38	35	36	37	38	1.7	0.5	No
R3499	F 1	W	Residential	65	60	39	39	40	41	39	39	41	41	1.2	-0.1	No
R3503	GF	NW	Residential	65	60	43	44	44	45	43	43	45	45	1.3	0	No
R3503	F 1	NW	Residential	65	60	46	46	46	48	45	46	48	48	1.2	-0.1	No
R3507	GF	NW	Residential	65	60	44	44	44	45	43	44	46	45	1.3	-0.1	No
R3507	F 1	NW	Residential	65	60	45	46	46	47	45	45	47	47	1.2	0	No
R3509	GF	W	Residential	65	60	36	37	37	39	36	37	38	39	1.7	0.4	No
R3509	F 1	W	Residential	65	60	34	35	35	36	34	35	36	36	1.5	0.2	No
R3513	GF	SE	Residential	65	60	38	39	39	40	38	38	40	40	1.6	0.2	No
R3517	GF	NW	Residential	65	60	42	43	43	44	42	42	44	44	1.2	0	No
R3520	GF	W	Residential	65	60	41	41	41	43	40	41	43	43	1.3	-0.1	No
R3523	GF	W	Residential	65	60	35	36	36	37	34	35	37	37	1.7	0.4	No
R3527	GF	NW	Residential	65	60	38	38	38	40	37	38	40	40	1.4	0.1	No
R3532	GF	NW	Residential	65	60	38	38	38	40	37	38	40	40	1.5	0.3	No
R3532	F 1	NW	Residential	65	60	44	44	44	46	43	44	45	46	1.4	0.2	No
R3535	GF	S	Residential	65	60	38	38	38	40	37	38	40	40	1.4	0.1	No
R3537	GF	SW	Residential	65	60	39	39	39	41	38	39	41	41	1.4	0.2	No
R3541	GF	SW	Residential	65	60	39	39	39	41	38	39	40	41	1.2	0.2	No
R3541	F 1	SW	Residential	65	60	41	41	41	42	40	40	42	42	1.1	0.1	No
R3548	GF	SW	Industrial	n/a	n/a	36	36	36	38	35	36	37	38	1.8	0.5	No
R3550	GF	W	Residential	65	60	36	37	37	38	35	36	38	38	1.8	0.5	No
R3552	GF	S	Residential	65	60	34	35	35	36	34	34	36	36	1.5	0.2	No
R3556	GF	SW	Residential	65	60	38	38	38	40	37	38	40	40	1.2	0	No
R3556	F 1	SW	Residential	65	60	38	39	39	40	38	38	40	40	1.2	-0.1	No
R3557	GF	S	Residential	65	60	37	37	37	39	36	37	39	39	1.5	0.3	No
R3561	GF	SW	Residential	65	60	38	38	38	40	37	38	39	40	1.6	0.3	No
R3561	F 1	SW	Residential	65	60	41	41	41	43	40	41	43	43	1.3	0	No
R3567	GF	W	Residential	65	60	36	37	37	38	36	37	38	38	1.6	0.3	No
R3567	F 1	W	Residential	65	60	40	40	40	41	39	39	41	41	1.3	0	No
R3569	GF	W	Residential	65	60	36	36	36	38	35	36	37	38	1.7	0.5	No
R3570	GF	SW	Residential	65	60	38	38	38	40	37	38	39	40	1.5	0.2	No
R3577	GF	S	Residential	65	60	35	36	35	37	34	35	36	37	1.8	0.6	No
R3578	GF	S	Residential	65	60	36	36	36	38	35	36	37	38	1.6	0.3	No
R3579	GF	NW	Residential	65	60	35	36	35	37	34	35	37	37	1.8	0.5	No
R3579	F 1	NW	Residential	65	60	37	38	38	39	37	37	39	39	1.6	0.3	No
R3586	GF	S	Residential	65	60	35	36	36	38	35	36	37	38	1.7	0.5	No
R3589	GF	NW	Residential	65	60	35	36	36	37	34	36	37	37	1.7	0.5	No
R3595	GF	SW	Residential	65	60	36	37	37	39	36	37	38	39	1.7	0.5	No
R3595	F 1	SW	Residential	65	60	39	39	39	41	38	39	41	41	1.5	0.2	No



Predicted operational noise results (LAeq)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAeq	Noise Criteria LAeq	2023 NoBuild Day (15hr)	2023 Build Day (15hr)	2033 NoBuild Day (15hr)	2033 Build Day (15hr)	2023 NoBuild Night (9hr)	2023 Build Night (9hr)	2033 NoBuild Night (9hr)	2033 Build Night (9hr)	Increase (2033, with wall) Build-No build Day	Increase (2033, with wall) Build-No build Night	Qualifies for additional mitigation?
				Day	Night	Leq,15hr	Leq,15hr	Leq,15hr	Leq,15hr	Leq,9hr	Leq,9hr	Leq,9hr	Leq,9hr	dB	dB	
R3597	GF	S	Residential	65	60	36	36	36	38	35	36	37	38	1.5	0.3	No
R3602	GF	S	Residential	65	60	34	34	34	36	33	34	35	36	1.7	0.5	No
R3602	F 1	S	Residential	65	60	36	37	37	38	36	36	38	38	1.5	0.2	No
R3609	GF	S	Residential	65	60	35	35	35	37	34	35	36	37	1.5	0.3	No

## Appendix D: Detailed Operational Noise Predictions ( $L_{Amax}$ )

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0010	GF	S	Residential	85	66	65	66	65	0.7	No
R0011	GF	N	Residential	85	67	67	67	67	2	No
R0012	GF	N	Residential	85	65	65	65	65	2	No
R0013	GF	S	Residential	85	64	64	64	64	1.3	No
R0014	GF	N	Residential	85	67	67	67	67	3	No
R0015	GF	S	Residential	85	65	65	65	65	1	No
R0017	GF	NE	Residential	85	66	66	66	66	1.9	No
R0018	GF	S	Residential	85	66	65	66	65	0.8	No
R0019	GF	N	Residential	85	66	66	66	66	1.9	No
R0020	GF	NE	Residential	85	64	64	64	64	1.7	No
R0021	GF	N	Residential	85	64	64	64	64	2.2	No
R0022	GF	E	Residential	85	67	66	67	66	1.1	No
R0023	GF	E	Residential	85	66	66	66	66	1.9	No
R0024	GF	E	Residential	85	68	68	68	68	1.6	No
R0025	GF	S	Residential	85	66	65	66	65	1	No
R0027	GF	E	Residential	85	65	65	65	65	1.9	No
R0028	GF	NE	Residential	85	65	65	65	65	0.1	No
R0029	GF	E	Residential	85	65	65	65	65	2.4	No
R0030	GF	E	Residential	85	68	68	68	68	1.5	No
R0031	GF	S	Residential	85	65	64	65	64	0.8	No
R0032	GF	E	Residential	85	68	68	68	68	1.9	No
R0033	GF	NE	Residential	85	66	66	65	66	1.8	No
R0034	GF	N	Residential	85	65	66	65	66	2.1	No
R0035	GF	SE	Residential	85	66	66	66	66	1.6	No
R0036	GF	E	Residential	85	67	67	67	67	2	No
R0037	GF	E	Residential	85	65	65	65	65	2	No
R0038	GF	E	Residential	85	66	66	66	66	1.5	No
R0039	GF	SE	Residential	85	64	64	64	67	1.9	No
R0039	F 1	SE	Residential	85	67	67	67	64	2.2	No
R0040	GF	E	Residential	85	67	67	67	67	1.3	No
R0041	GF	SE	Residential	85	65	65	66	65	0.3	No
R0043	GF	N	Residential	85	67	67	67	67	2.4	No
R0044	GF	S	Residential	85	65	65	65	65	1.8	No
R0045	GF	N	Residential	85	66	65	65	65	1.7	No
R0046	GF	NW	Residential	85	67	67	67	67	1.2	No
R0047	GF	N	Residential	85	67	67	67	67	1.3	No
R0048	GF	NW	Residential	85	64	65	64	65	1.9	No
R0050	GF	SE	Residential	85	67	67	67	67	2	No
R0051	GF	NW	Residential	85	67	67	67	67	2	No
R0052	GF	N	Residential	85	67	67	67	67	0.8	No
R0053	GF	E	Residential	85	66	66	66	66	0.8	No
R0054	GF	E	Residential	85	68	67	68	67	2.1	No
R0055	GF	E	Residential	85	64	64	64	64	2	No
R0055	F 1	E	Residential	85	68	68	68	68	1.9	No
R0056	GF	E	Residential	85	67	67	67	67	1.3	No
R0057	GF	E	Residential	85	67	67	67	67	1.4	No
R0058	GF	SE	Residential	85	68	68	68	68	1.6	No
R0059	GF	NE	Residential	85	66	65	65	65	0.1	No
R0060	GF	N	Residential	85	68	68	68	69	1.8	No
R0060	F 1	N	Residential	85	69	69	69	68	1.9	No
R0061	GF	E	Residential	85	67	67	67	67	2	No
R0062	GF	N	Residential	85	67	66	67	66	1.3	No
R0063	GF	E	Residential	85	67	67	67	67	1.7	No
R0064	GF	NE	Residential	85	65	64	65	64	1.2	No
R0065	GF	E	Residential	85	67	67	67	67	1.5	No
R0066	GF	E	Residential	85	69	68	69	68	2	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0067	GF	E	Residential	85	68	67	68	67	1.1	No
R0068	GF	E	Residential	85	68	68	68	68	1.6	No
R0069	GF	S	Residential	85	67	67	67	67	0.7	No
R0071	GF	NE	Residential	85	66	66	66	66	2.1	No
R0072	GF	W	Residential	85	64	64	64	64	1.8	No
R0074	GF	E	Residential	85	66	66	66	66	1.5	No
R0075	GF	N	Residential	85	68	68	68	68	0.8	No
R0075	F 1	N	Residential	85	71	70	71	70	0.9	No
R0076	GF	E	Residential	85	67	67	67	67	2.1	No
R0077	GF	NE	Residential	85	69	68	69	68	1.1	No
R0079	GF	N	Residential	85	65	65	65	65	1.6	No
R0080	GF	S	Residential	85	67	67	67	67	1.4	No
R0081	GF	SE	Residential	85	67	67	67	67	1.7	No
R0084	GF	E	Residential	85	66	66	66	66	2.3	No
R0085	GF	E	Residential	85	66	66	66	66	1.8	No
R0085	F 1	E	Residential	85	70	70	70	70	1.4	No
R0086	GF	NE	Residential	85	67	67	67	67	1.9	No
R0087	GF	E	Residential	85	68	68	68	68	1.3	No
R0089	GF	N	Residential	85	69	68	69	68	1.5	No
R0090	GF	N	Residential	85	65	65	66	65	1.5	No
R0090	F 1	N	Residential	85	69	69	70	69	0.8	No
R0091	GF	NE	Residential	85	67	67	67	67	0.8	No
R0092	GF	SE	Residential	85	68	67	68	67	0.5	No
R0093	GF	E	Residential	85	67	67	67	67	2.4	No
R0095	GF	E	Residential	85	68	68	68	68	1.9	No
R0096	GF	N	Residential	85	67	67	67	67	2.8	No
R0097	GF	E	Residential	85	68	68	68	67	1.1	No
R0098	GF	E	Residential	85	68	67	68	67	1.6	No
R0099	GF	E	Residential	85	66	66	66	66	1.1	No
R0101	GF	N	Residential	85	67	67	67	67	1.5	No
R0102	GF	E	Residential	85	69	68	69	68	1.5	No
R0103	GF	N	Residential	85	68	67	67	67	2.2	No
R0104	GF	N	Residential	85	67	67	67	67	1.7	No
R0105	GF	S	Residential	85	68	68	68	68	0.7	No
R0106	GF	S	Residential	85	65	65	65	65	1.5	No
R0107	GF	N	Residential	85	68	68	68	68	1.9	No
R0108	GF	NE	Residential	85	68	68	68	68	1.4	No
R0110	GF	N	Residential	85	67	67	67	67	1.7	No
R0111	GF	NE	Residential	85	69	69	69	69	1.6	No
R0112	GF	S	Residential	85	67	66	67	66	1.6	No
R0115	GF	N	Residential	85	65	65	65	65	1.8	No
R0115	F 1	N	Residential	85	69	69	69	69	2.2	No
R0116	GF	E	Residential	85	68	68	68	68	0.8	No
R0117	GF	N	Residential	85	70	69	70	69	1.7	No
R0118	GF	N	Residential	85	70	70	71	70	0.9	No
R0119	GF	SE	Residential	85	67	67	67	67	1.6	No
R0120	GF	E	Residential	85	69	69	69	69	1.7	No
R0121	GF	E	Residential	85	67	66	67	66	0.9	No
R0123	GF	E	Residential	85	68	68	68	68	2.5	No
R0124	GF	S	Residential	85	69	68	69	68	1.6	No
R0125	GF	E	Residential	85	68	68	68	68	1.7	No
R0126	GF	E	Residential	85	71	70	71	70	0.2	No
R0127	GF	SE	Residential	85	70	70	70	70	0.9	No
R0128	GF	E	Residential	85	68	67	68	67	0.9	No
R0129	GF	SE	Residential	85	65	65	65	65	1.8	No
R0130	GF	S	Residential	85	68	68	69	68	1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0131	GF	E	Residential	85	68	68	68	68	1.3	No
R0132	GF	E	Residential	85	68	68	68	68	1.6	No
R0133	GF	N	Residential	85	69	69	69	69	1.5	No
R0134	GF	E	Residential	85	70	70	70	70	0.5	No
R0135	GF	NW	Residential	85	70	70	70	70	1.7	No
R0137	GF	NE	Residential	85	70	69	70	69	2	No
R0138	GF	E	Residential	85	70	69	70	69	0	No
R0139	GF	S	Residential	85	69	68	69	68	-0.2	No
R0140	GF	NE	Residential	85	74	73	74	73	0	No
R0141	GF	N	Residential	85	69	69	69	69	1.2	No
R0142	GF	N	Residential	85	68	68	68	68	2	No
R0142	F 1	N	Residential	85	70	70	70	70	1.3	No
R0143	GF	SE	Residential	85	67	67	67	68	2.2	No
R0143	F 1	SE	Residential	85	69	68	68	67	2.1	No
R0144	GF	E	Residential	85	71	70	71	70	0	No
R0145	GF	S	Residential	85	63	63	63	63	1.7	No
R0146	GF	E	Residential	85	71	70	71	70	0.7	No
R0147	GF	N	Residential	85	63	63	63	63	1.3	No
R0148	GF	E	Residential	85	69	69	69	69	1.7	No
R0149	GF	NE	Residential	85	70	69	70	69	1.6	No
R0151	GF	E	Residential	85	69	69	69	69	1.7	No
R0151	F 1	E	Residential	85	71	71	71	71	1.6	No
R0152	GF	N	Residential	85	74	74	74	74	-0.1	No
R0153	GF	N	Residential	85	68	69	68	69	1.1	No
R0154	GF	N	Residential	85	67	66	67	66	0.7	No
R0155	GF	E	Residential	85	66	66	66	66	1.9	No
R0158	GF	E	Residential	85	70	70	70	70	1.6	No
R0159	GF	N	Residential	85	69	68	69	68	1.3	No
R0160	GF	NE	Residential	85	70	69	70	69	1.8	No
R0161	GF	E	Residential	85	70	69	70	69	2.2	No
R0163	GF	E	Residential	85	69	68	69	69	1.6	No
R0164	GF	E	Residential	85	68	68	69	70	1.1	No
R0164	F 1	E	Residential	85	71	70	71	68	1.7	No
R0165	GF	E	Residential	85	70	69	70	69	1.7	No
R0166	GF	E	Residential	85	69	69	69	69	2.3	No
R0168	GF	E	Residential	85	69	68	69	68	1.6	No
R0169	GF	S	Residential	85	68	68	69	68	0.5	No
R0170	GF	NE	Residential	85	75	74	75	74	0	No
R0171	GF	SE	Residential	85	68	68	68	69	0.9	No
R0171	F 1	SE	Residential	85	70	69	70	68	0.4	No
R0172	GF	N	Residential	85	68	68	68	68	1.7	No
R0174	GF	E	Residential	85	75	74	75	74	0	No
R0175	GF	E	Residential	85	67	67	67	67	1.6	No
R0176	GF	NE	Residential	85	69	69	69	69	1.8	No
R0177	GF	E	Residential	85	74	74	74	74	0.2	No
R0178	GF	N	Residential	85	67	67	67	67	1.2	No
R0179	GF	S	Residential	85	72	72	72	72	1.2	No
R0180	GF	N	Residential	85	69	68	69	68	1.5	No
R0181	GF	N	Residential	85	67	67	67	67	2.3	No
R0182	GF	E	Residential	85	74	73	74	73	0.1	No
R0183	GF	N	Residential	85	69	69	69	69	1.9	No
R0184	GF	E	Residential	85	69	69	69	69	1.4	No
R0185	GF	N	Residential	85	71	70	71	70	0.9	No
R0186	GF	SE	Residential	85	70	70	70	70	1.1	No
R0187	GF	E	Residential	85	73	71	73	71	0.1	No
R0188	GF	E	Residential	85	73	72	73	72	0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0189	GF	S	Residential	85	70	70	70	72	1.4	No
R0189	F 1	S	Residential	85	73	72	73	70	0.3	No
R0190	GF	N	Residential	85	68	67	67	67	1.1	No
R0190	F 1	N	Residential	85	71	70	71	70	1.1	No
R0191	GF	E	Residential	85	73	72	73	72	-0.1	No
R0192	GF	E	Residential	85	69	69	69	69	1.1	No
R0193	GF	NE	Residential	85	68	68	68	71	1.6	No
R0193	F 1	NE	Residential	85	71	71	71	68	1.1	No
R0195	GF	E	Residential	85	72	71	72	71	0.9	No
R0196	GF	E	Residential	85	69	69	69	69	2.1	No
R0197	GF	E	Residential	85	74	73	74	73	0.2	No
R0197	F 1	E	Residential	85	74	73	74	73	0.1	No
R0198	GF	E	Residential	85	68	68	68	68	2	No
R0199	GF	E	Residential	85	73	72	73	72	0.2	No
R0200	GF	N	Residential	85	66	67	66	70	2.4	No
R0200	F 1	N	Residential	85	71	70	71	67	1.2	No
R0201	GF	E	Residential	85	71	70	71	70	1.5	No
R0202	GF	E	Residential	85	73	72	73	73	0.9	No
R0202	F 1	E	Residential	85	74	73	74	72	0.3	No
R0203	GF	N	Residential	85	68	68	68	68	1.4	No
R0204	GF	E	Residential	85	71	71	71	71	1.1	No
R0205	GF	E	Residential	85	72	72	72	72	0.9	No
R0206	GF	S	Residential	85	71	71	71	71	1.2	No
R0207	GF	N	Residential	85	71	71	71	71	1.8	No
R0208	GF	E	Residential	85	67	67	67	67	1.5	No
R0208	F 1	E	Residential	85	71	70	71	70	2	No
R0209	GF	E	Residential	85	74	73	74	73	0.3	No
R0210	GF	E	Residential	85	71	71	71	71	1.3	No
R0211	GF	N	Residential	85	68	68	68	68	2	No
R0212	GF	E	Residential	85	74	72	74	72	0.9	No
R0213	GF	S	Residential	85	68	67	68	67	0.5	No
R0214	GF	E	Residential	85	73	72	73	72	1.4	No
R0215	GF	E	Residential	85	70	70	70	70	1.5	No
R0216	GF	E	Residential	85	72	71	72	74	0.7	No
R0216	F 1	E	Residential	85	75	73	75	73	0.2	No
R0216	F 2	E	Residential	85	76	74	76	71	0.2	No
R0217	GF	N	Residential	85	67	67	67	67	1.2	No
R0219	GF	E	Residential	85	71	70	71	70	0.7	No
R0220	GF	N	Residential	85	71	70	71	70	1	No
R0222	GF	N	Residential	85	66	65	66	70	2.1	No
R0222	F 1	N	Residential	85	71	70	71	65	1.9	No
R0223	GF	N	Residential	85	75	74	75	74	0	No
R0225	GF	E	Residential	85	72	72	72	72	1.7	No
R0225	F 1	E	Residential	85	75	74	75	74	0	No
R0226	GF	S	Residential	85	67	67	67	67	0.7	No
R0227	GF	E	Residential	85	68	68	68	68	1.6	No
R0229	GF	E	Residential	85	68	68	68	68	1.1	No
R0230	GF	N	Residential	85	70	69	70	69	1.5	No
R0231	GF	E	Residential	85	72	72	72	72	1	No
R0233	GF	SE	Residential	85	71	71	71	71	1.4	No
R0234	GF	E	Residential	85	71	71	71	71	0.5	No
R0235	GF	E	Residential	85	71	71	71	71	1.6	No
R0236	GF	NE	Residential	85	69	68	69	68	0.6	No
R0237	GF	NE	Residential	85	75	73	75	74	0	No
R0238	GF	E	Residential	85	72	71	72	71	0.3	No
R0239	GF	N	Residential	85	69	69	69	69	2.4	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0242	GF	N	Residential	85	66	66	66	66	1.8	No
R0243	GF	S	Residential	85	69	69	69	69	1.4	No
R0243	F 1	S	Residential	85	72	71	72	71	1.1	No
R0244	GF	S	Residential	85	69	69	69	69	2.3	No
R0246	GF	N	Residential	85	68	68	68	68	1.8	No
R0247	GF	S	Residential	85	71	71	71	71	2.1	No
R0249	GF	NE	Residential	85	74	73	74	73	0	No
R0250	GF	E	Residential	85	72	72	72	74	1.7	No
R0250	F 1	E	Residential	85	76	74	76	72	0.6	No
R0251	GF	E	Residential	85	73	72	73	74	1.8	No
R0251	F 1	E	Residential	85	76	74	76	72	0.3	No
R0252	GF	NE	Residential	85	68	68	68	68	1.1	No
R0254	GF	N	Residential	85	69	69	69	71	1.6	No
R0254	F 1	N	Residential	85	72	71	72	69	1.5	No
R0255	GF	E	Residential	85	73	73	73	73	1.2	No
R0258	GF	SE	Residential	85	69	69	69	69	1	No
R0259	GF	NE	Residential	85	75	74	75	74	0.2	No
R0260	GF	N	Residential	85	69	69	69	69	1.3	No
R0260	F 1	N	Residential	85	73	73	73	73	0.9	No
R0261	GF	E	Residential	85	70	70	70	70	0.7	No
R0262	GF	E	Residential	85	74	73	74	73	0.1	No
R0263	GF	E	Residential	85	70	70	70	70	2.1	No
R0264	GF	S	Residential	85	74	73	74	73	1	No
R0267	GF	E	Residential	85	73	72	73	72	0.9	No
R0268	GF	N	Residential	85	69	69	69	69	1.4	No
R0269	GF	N	Residential	85	66	66	66	66	1	No
R0270	GF	S	Residential	85	66	66	66	74	1.4	No
R0270	F 1	S	Residential	85	75	74	75	66	0.1	No
R0271	GF	E	Residential	85	72	71	72	71	0.2	No
R0271	F 1	E	Residential	85	75	74	75	74	1.2	No
R0273	GF	E	Residential	85	70	70	71	70	1.5	No
R0273	F 1	E	Residential	85	75	74	75	74	0.4	No
R0274	GF	N	Residential	85	69	69	69	69	1.9	No
R0276	GF	E	Residential	85	72	72	72	74	1.1	No
R0276	F 1	E	Residential	85	76	74	76	72	0.3	No
R0277	GF	NW	Educational institute	n/a	70	69	70	73	0.8	No
R0277	F 1	NW	Educational institute	n/a	74	73	74	69	0.6	No
R0280	GF	N	Residential	85	70	70	70	70	2	No
R0283	GF	E	Residential	85	70	70	70	74	2.3	No
R0283	F 1	E	Residential	85	76	74	76	70	0.4	No
R0284	GF	E	Residential	85	74	73	74	73	0.7	No
R0285	GF	E	Residential	85	73	73	73	73	0.9	No
R0285	F 1	E	Residential	85	76	74	76	74	0.4	No
R0288	GF	E	Residential	85	69	69	69	69	0.9	No
R0290	GF	N	Residential	85	68	69	69	71	2.1	No
R0290	F 1	N	Residential	85	71	71	71	69	1.7	No
R0291	GF	NW	Educational institute	n/a	71	71	71	70	1.3	No
R0292	GF	E	Residential	85	71	71	71	71	1.1	No
R0292	F 1	E	Residential	85	75	74	75	74	0.3	No
R0293	GF	N	Residential	85	64	64	64	64	0.5	No
R0294	GF	E	Residential	85	66	66	66	71	1.6	No
R0294	F 1	E	Residential	85	71	71	71	66	1.6	No
R0295	GF	E	Residential	85	72	71	72	74	1.2	No
R0295	F 1	E	Residential	85	75	74	75	71	0.2	No
R0301	GF	S	Residential	85	71	71	71	71	1.1	No
R0302	GF	SE	Educational institute	n/a	68	68	68	70	0.5	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0302	F 1	SE	Educational institute	n/a	71	70	71	68	-0.2	No
R0304	GF	E	Residential	85	69	69	69	69	2.3	No
R0305	GF	N	Residential	85	70	70	70	70	1.1	No
R0306	GF	E	Residential	85	69	69	69	69	2.2	No
R0307	GF	E	Residential	85	70	70	70	70	1.9	No
R0308	GF	N	Residential	85	69	69	69	69	2	No
R0309	GF	E	Residential	85	73	72	73	72	1	No
R0309	F 1	E	Residential	85	76	75	76	75	0.7	No
R0312	GF	N	Educational institute	n/a	71	71	71	71	1.6	No
R0314	GF	E	Residential	85	69	69	69	71	1.7	No
R0314	F 1	E	Residential	85	72	72	72	72	1.8	No
R0314	F 2	E	Residential	85	73	72	73	69	1	No
R0318	GF	E	Residential	85	73	72	73	72	0.7	No
R0319	GF	E	Residential	85	67	67	67	67	1.1	No
R0319	F 1	E	Residential	85	75	74	75	73	0.1	No
R0321	GF	N	Residential	85	68	68	68	68	1.6	No
R0323	GF	E	Residential	85	70	70	70	70	1.5	No
R0324	GF	E	Residential	85	73	73	73	74	1.1	No
R0324	F 1	E	Residential	85	76	74	76	73	0.2	No
R0325	GF	E	Residential	85	68	68	68	68	2.8	No
R0326	GF	E	Residential	85	73	73	73	73	1.4	No
R0327	GF	E	Residential	85	71	71	71	75	1.4	No
R0327	F 1	E	Residential	85	76	75	76	71	0.8	No
R0328	GF	E	Residential	85	74	73	74	73	1.2	No
R0328	F 1	E	Residential	85	76	74	76	74	0.2	No
R0329	GF	E	Educational institute	n/a	73	72	73	72	1.1	No
R0331	GF	S	Residential	85	72	72	72	75	1.2	No
R0331	F 1	S	Residential	85	77	75	77	72	0.7	No
R0332	GF	E	Residential	85	74	73	74	73	0.6	No
R0332	F 1	E	Residential	85	76	74	76	74	0.3	No
R0333	GF	N	Residential	85	67	67	67	67	1.9	No
R0334	GF	E	Residential	85	73	72	74	74	0.7	No
R0334	F 1	E	Residential	85	76	74	76	72	0.2	No
R0335	GF	S	Residential	85	67	67	67	67	2.1	No
R0337	GF	E	Residential	85	73	72	73	72	1.4	No
R0339	GF	E	Residential	85	68	68	68	71	1.7	No
R0339	F 1	E	Residential	85	72	71	72	68	1	No
R0339	F 2	E	Residential	85	75	74	76	74	0.7	No
R0339	F 3	E	Residential	85	76	75	77	75	0.1	No
R0340	GF	E	Educational institute	n/a	71	70	71	73	1.4	No
R0340	F 1	E	Educational institute	n/a	74	73	74	70	1.2	No
R0341	GF	E	Residential	85	73	72	73	72	1.7	No
R0343	GF	E	Residential	85	72	72	72	75	0.3	No
R0343	F 1	E	Residential	85	76	75	76	72	0.5	No
R0345	GF	E	Residential	85	73	72	73	73	0.7	No
R0345	F 1	E	Residential	85	75	73	75	71	0.4	No
R0348	GF	S	Residential	85	68	67	68	67	0.3	No
R0348	F 1	S	Residential	85	71	70	71	70	1.2	No
R0349	GF	E	Residential	85	73	72	73	74	0.9	No
R0349	F 1	E	Residential	85	76	74	76	72	0.2	No
R0353	GF	N	Residential	85	69	69	69	68	1.7	No
R0354	GF	N	Residential	85	69	69	69	72	1.8	No
R0354	F 1	N	Residential	85	73	72	73	69	1.1	No
R0355	GF	N	Residential	85	68	68	68	68	2.3	No
R0355	F 1	N	Residential	85	72	71	72	71	1.4	No
R0362	GF	E	Residential	85	66	66	66	66	1.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0363	GF	E	Educational institute	n/a	68	68	68	72	1	No
R0363	F 1	E	Educational institute	n/a	73	72	73	68	1.4	No
R0364	GF	N	Residential	85	69	69	69	69	1.6	No
R0365	GF	S	Residential	85	73	72	73	75	0.1	No
R0365	F 1	S	Residential	85	76	75	76	72	-0.2	No
R0366	GF	E	Residential	85	74	73	74	73	1	No
R0366	F 1	E	Residential	85	76	74	76	74	0.3	No
R0367	GF	E	Residential	85	70	69	70	69	1.7	No
R0368	GF	N	Residential	85	64	64	64	64	2	No
R0369	GF	N	Residential	85	69	68	69	68	1.1	No
R0375	GF	N	Residential	85	66	66	66	66	1.4	No
R0376	GF	N	Residential	85	67	67	67	67	1.3	No
R0377	GF	E	Residential	85	71	70	71	70	0.9	No
R0378	GF	E	Residential	85	71	71	71	71	1.2	No
R0379	GF	N	Residential	85	68	68	68	68	0.6	No
R0380	GF	E	Residential	85	73	73	73	73	1.4	No
R0380	F 1	E	Residential	85	76	74	76	74	0.6	No
R0382	GF	S	Residential	85	71	71	71	71	1.6	No
R0383	GF	E	Residential	85	72	71	72	71	1.2	No
R0383	F 1	E	Residential	85	75	74	75	74	0.2	No
R0384	GF	E	Residential	85	71	71	71	71	1.6	No
R0385	GF	N	Residential	85	69	69	69	69	1.6	No
R0385	F 1	N	Residential	85	72	71	72	71	1.4	No
R0386	GF	S	Residential	85	71	71	71	71	1	No
R0387	GF	S	Residential	85	71	70	71	70	0.3	No
R0387	F 1	S	Residential	85	76	75	76	75	0.1	No
R0388	GF	E	Residential	85	70	70	70	70	1.7	No
R0391	GF	N	Residential	85	69	69	69	69	1.3	No
R0392	GF	N	Residential	85	69	69	69	69	1.3	No
R0393	GF	E	Residential	85	74	72	74	72	0.3	No
R0393	F 1	E	Residential	85	76	74	76	74	-0.1	No
R0396	GF	E	Residential	85	69	69	69	69	1.6	No
R0397	GF	N	Residential	85	68	68	68	68	2.2	No
R0399	GF	E	Residential	85	70	70	70	70	2.3	No
R0401	GF	E	Residential	85	70	70	70	70	1.7	No
R0402	GF	NE	Residential	85	71	71	71	71	1	No
R0403	GF	E	Residential	85	74	73	74	73	1	No
R0404	GF	E	Residential	85	71	71	71	71	2.2	No
R0405	GF	E	Residential	85	73	73	73	75	0.6	No
R0405	F 1	E	Residential	85	76	75	76	72	0.3	No
R0408	GF	N	Residential	85	71	70	71	70	0.8	No
R0409	GF	E	Residential	85	72	71	72	71	1.5	No
R0410	GF	S	Residential	85	74	73	75	73	0.7	No
R0411	GF	E	Residential	85	75	73	75	73	0.4	No
R0411	F 1	E	Residential	85	76	75	76	75	0.2	No
R0412	GF	E	Residential	85	71	71	71	71	1.2	No
R0413	GF	E	Residential	85	66	66	66	73	1.1	No
R0413	F 1	E	Residential	85	73	73	73	75	0.1	No
R0413	F 2	E	Residential	85	77	75	77	66	0.6	No
R0414	GF	E	Residential	85	72	72	72	72	1	No
R0414	F 1	E	Residential	85	77	75	77	75	-0.1	No
R0416	GF	N	Residential	85	70	69	70	69	0.7	No
R0417	GF	E	Residential	85	73	73	73	73	1.3	No
R0418	GF	E	Residential	85	72	72	72	72	1.8	No
R0419	GF	S	Residential	85	74	73	74	75	0.5	No
R0419	F 1	S	Residential	85	76	75	76	73	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0420	GF	E	Residential	85	74	73	74	73	1	No
R0421	GF	N	Residential	85	70	70	70	70	1.6	No
R0421	F 1	N	Residential	85	72	71	72	71	1	No
R0422	GF	E	Residential	85	72	72	72	72	1.6	No
R0423	GF	NE	Residential	85	71	71	71	71	1.3	No
R0424	GF	N	Residential	85	69	69	69	69	1.1	No
R0425	GF	N	Residential	85	69	69	69	69	1	No
R0425	F 1	N	Residential	85	72	72	72	72	1.5	No
R0426	GF	N	Residential	85	70	69	70	69	1	No
R0427	GF	E	Residential	85	73	73	73	73	1.4	No
R0428	GF	SE	Residential	85	74	73	74	73	0.1	No
R0430	GF	E	Residential	85	71	71	71	71	1.5	No
R0434	GF	E	Residential	85	71	71	71	76	1.6	No
R0434	F 1	E	Residential	85	77	76	77	71	0.6	No
R0436	GF	N	Residential	85	68	68	68	68	1.9	No
R0436	F 1	N	Residential	85	70	70	70	70	1.3	No
R0437	GF	SE	Residential	85	71	71	71	71	0.9	No
R0438	GF	E	Active recreation	n/a	76	75	76	75	0	No
R0439	GF	E	Educational institute	n/a	71	71	71	73	1	No
R0439	F 1	E	Educational institute	n/a	74	73	74	71	1.1	No
R0441	GF	E	Residential	85	69	69	69	69	1.2	No
R0442	GF	N	Residential	85	72	72	72	72	0.9	No
R0443	GF	N	Residential	85	70	70	70	70	1.5	No
R0445	GF	N	Residential	85	70	70	70	69	1.5	No
R0446	GF	N	Residential	85	70	70	70	70	1.6	No
R0447	GF	SW	Residential	85	71	71	71	71	-0.1	No
R0448	GF	N	Residential	85	68	68	68	68	1.8	No
R0448	F 1	N	Residential	85	72	72	72	72	1.4	No
R0451	GF	N	Residential	85	70	70	70	70	1.4	No
R0452	GF	E	Residential	85	68	68	68	67	0.9	No
R0452	F 1	E	Residential	85	69	69	69	69	1.7	No
R0452	F 2	E	Residential	85	75	75	75	75	1.4	No
R0454	GF	E	Educational institute	n/a	71	71	71	72	0.4	No
R0454	F 1	E	Educational institute	n/a	74	72	74	71	0.5	No
R0455	GF	S	Residential	85	71	70	71	70	0.8	No
R0456	GF	E	Residential	85	69	69	69	69	1.7	No
R0457	GF	N	Residential	85	70	70	70	70	0.8	No
R0458	GF	S	Residential	85	70	70	70	70	1.5	No
R0460	GF	E	Residential	85	70	70	70	70	2.4	No
R0461	GF	E	Residential	85	74	73	74	73	1.6	No
R0463	GF	W	Residential	85	73	73	73	73	1.2	No
R0464	GF	E	Residential	85	70	70	70	70	1.5	No
R0465	GF	N	Residential	85	69	69	69	72	1.7	No
R0465	F 1	N	Residential	85	72	72	72	69	1.2	No
R0466	GF	N	Residential	85	72	72	72	72	1	No
R0467	GF	SW	Residential	85	72	71	72	71	0	No
R0468	GF	N	Residential	85	71	70	71	70	2.4	No
R0469	GF	NE	Educational institute	n/a	71	70	71	70	1.2	No
R0470	GF	S	Residential	85	70	70	70	70	1	No
R0471	GF	N	Residential	85	70	69	70	69	1.8	No
R0472	GF	N	Residential	85	70	70	70	70	1.2	No
R0473	GF	N	Residential	85	71	71	71	71	1.1	No
R0477	GF	E	Residential	85	73	73	73	73	1.4	No
R0478	GF	E	Residential	85	73	73	73	73	1	No
R0478	F 1	E	Residential	85	77	75	77	75	0.8	No
R0479	GF	E	Residential	85	71	71	71	71	1.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0482	GF	E	Residential	85	74	74	74	74	1.6	No
R0483	GF	E	Active recreation	n/a	73	72	73	73	0.5	No
R0483	F 1	E	Active recreation	n/a	74	73	74	72	0.7	No
R0484	GF	E	Residential	85	73	73	73	73	2	No
R0485	GF	E	Residential	85	74	73	74	73	1.4	No
R0485	F 1	E	Residential	85	76	75	76	74	0	No
R0487	GF	E	Residential	85	73	73	73	73	1.5	No
R0487	F 1	E	Residential	85	76	75	76	75	0.3	No
R0489	GF	S	Residential	85	70	70	70	70	0.9	No
R0490	GF	E	Residential	85	72	71	72	71	0.9	No
R0491	GF	E	Residential	85	73	73	73	73	1.6	No
R0492	GF	E	Residential	85	72	72	72	72	1.8	No
R0493	GF	S	Residential	85	74	73	74	75	1.3	No
R0493	F 1	S	Residential	85	77	75	77	73	0.5	No
R0495	GF	N	Residential	85	72	72	72	72	1.1	No
R0496	GF	E	Residential	85	71	71	71	71	1.3	No
R0497	GF	E	Residential	85	72	72	72	72	1.3	No
R0498	GF	SW	Residential	85	72	72	72	72	0	No
R0500	GF	E	Residential	85	73	73	73	75	1.8	No
R0500	F 1	E	Residential	85	77	75	77	73	0.8	No
R0501	GF	N	Residential	85	69	69	69	69	0.7	No
R0501	F 1	N	Residential	85	72	72	72	72	1.8	No
R0503	GF	N	Residential	85	70	70	70	70	1.8	No
R0503	F 1	N	Residential	85	72	72	72	72	0.8	No
R0504	GF	S	Residential	85	73	73	73	75	1.2	No
R0504	F 1	S	Residential	85	76	75	76	73	0.6	No
R0505	GF	E	Residential	85	73	72	73	75	-0.1	No
R0505	F 1	E	Residential	85	77	75	77	72	0.8	No
R0506	GF	E	Residential	85	73	72	73	72	1.5	No
R0507	GF	E	Residential	85	71	71	71	71	2.2	No
R0507	F 1	E	Residential	85	74	73	74	73	1.3	No
R0508	GF	N	Residential	85	67	66	67	66	1.3	No
R0509	GF	NE	Residential	85	71	70	71	70	0.6	No
R0512	GF	N	Residential	85	69	69	69	71	0.5	No
R0512	F 1	N	Residential	85	71	71	71	69	0.8	No
R0513	GF	E	Residential	85	71	71	71	70	1.6	No
R0514	GF	N	Residential	85	71	71	71	71	1.5	No
R0515	GF	E	Residential	85	70	70	70	70	0.9	No
R0516	GF	E	Educational institute	n/a	72	71	72	71	0.7	No
R0518	GF	S	Residential	85	72	72	72	72	0.7	No
R0519	GF	SE	Residential	85	73	72	73	72	1.6	No
R0520	GF	E	Residential	85	73	73	73	73	1.3	No
R0520	F 1	E	Residential	85	77	75	77	75	0.5	No
R0521	GF	E	Residential	85	72	72	72	72	1.7	No
R0521	F 1	E	Residential	85	77	76	77	76	1.1	No
R0522	GF	N	Residential	85	70	70	70	70	0.9	No
R0523	GF	E	Residential	85	73	73	73	73	2.1	No
R0524	GF	SE	Residential	85	71	71	71	71	1.5	No
R0525	GF	SE	Residential	85	71	71	71	71	1.8	No
R0526	GF	N	Residential	85	70	70	70	70	0.8	No
R0527	GF	SE	Residential	85	75	74	75	74	0.6	No
R0530	GF	N	Residential	85	74	74	74	74	1.5	No
R0533	GF	S	Residential	85	73	72	73	73	0.1	No
R0534	GF	SE	Residential	85	71	71	71	71	1.6	No
R0534	F 1	SE	Residential	85	76	75	76	75	0.5	No
R0535	GF	S	Residential	85	74	74	74	74	1.4	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0537	GF	N	Residential	85	72	71	72	71	0.8	No
R0537	F 1	N	Residential	85	74	73	74	73	0.9	No
R0538	GF	NE	Residential	85	70	69	70	69	1.5	No
R0539	GF	S	Residential	85	72	72	72	72	0.3	No
R0541	GF	E	Residential	85	70	70	70	70	2.5	No
R0542	GF	E	Residential	85	72	72	72	72	1	No
R0544	GF	S	Residential	85	70	70	70	70	0.9	No
R0545	GF	N	Residential	85	69	69	69	69	1	No
R0546	GF	E	Residential	85	73	73	73	73	1.9	No
R0547	GF	N	Residential	85	66	65	66	66	1	No
R0550	GF	E	Residential	85	72	72	72	72	0.9	No
R0551	GF	E	Residential	85	72	71	72	75	1	No
R0551	F 1	E	Residential	85	76	75	76	71	0.9	No
R0552	GF	N	Residential	85	70	70	70	70	1.2	No
R0553	GF	NE	Residential	85	68	68	68	68	1.6	No
R0554	GF	E	Residential	85	68	68	68	68	2.1	No
R0555	GF	S	Residential	85	73	72	73	72	0.6	No
R0555	F 1	S	Residential	85	75	75	75	75	-0.1	No
R0556	GF	N	Residential	85	71	71	71	71	1.3	No
R0557	GF	E	Residential	85	71	71	71	73	0.9	No
R0557	F 1	E	Residential	85	73	73	73	71	1	No
R0558	GF	E	Residential	85	72	72	72	72	1	No
R0559	GF	E	Residential	85	69	69	69	69	1.9	No
R0561	GF	E	Residential	85	73	73	73	73	1.2	No
R0563	GF	S	Residential	85	72	71	72	71	1.8	No
R0564	GF	NE	Residential	85	71	71	71	71	0.8	No
R0565	GF	N	Residential	85	72	72	72	72	1.1	No
R0566	GF	E	Residential	85	75	74	75	74	1.1	No
R0567	GF	E	Residential	85	71	71	71	71	0.9	No
R0568	GF	NE	Residential	85	71	71	71	71	1.1	No
R0569	GF	S	Residential	85	75	74	75	75	0.4	No
R0569	F 1	S	Residential	85	77	75	77	74	-0.1	No
R0572	GF	E	Residential	85	71	71	71	71	1.7	No
R0573	GF	E	Residential	85	72	72	72	72	1.6	No
R0574	GF	E	Residential	85	72	72	72	72	1.4	No
R0574	F 1	E	Residential	85	75	74	75	74	1	No
R0576	GF	E	Residential	85	72	72	72	72	2	No
R0576	F 1	E	Residential	85	77	76	77	76	1	No
R0577	GF	N	Residential	85	72	73	72	75	1	No
R0577	F 1	N	Residential	85	76	75	76	73	0.8	No
R0578	GF	E	Residential	85	70	69	70	69	1.7	No
R0579	GF	N	Residential	85	72	71	72	71	1.1	No
R0580	GF	NE	Residential	85	69	69	69	69	1.1	No
R0580	F 1	NE	Residential	85	72	71	72	71	0.4	No
R0580	F 2	NE	Residential	85	75	75	75	75	1	No
R0582	GF	N	Residential	85	70	70	70	70	1.1	No
R0584	GF	S	Residential	85	72	72	72	72	0.9	No
R0585	GF	S	Residential	85	73	72	73	72	1	No
R0587	GF	E	Residential	85	70	70	70	70	1.7	No
R0589	GF	E	Residential	85	72	72	72	72	1.6	No
R0590	GF	E	Residential	85	72	72	72	75	2	No
R0590	F 1	E	Residential	85	76	75	76	72	0.8	No
R0591	GF	E	Residential	85	72	72	72	72	1.9	No
R0592	GF	E	Residential	85	73	73	73	75	1.7	No
R0592	F 1	E	Residential	85	77	75	77	73	0.6	No
R0593	GF	N	Residential	85	69	70	69	70	1.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0594	GF	S	Residential	85	75	75	75	75	1.5	No
R0594	F 1	S	Residential	85	77	75	77	75	0.1	No
R0595	GF	SW	Residential	85	70	69	70	69	0.7	No
R0596	GF	E	Residential	85	73	72	73	72	1.6	No
R0598	GF	N	Residential	85	72	72	72	72	0.8	No
R0600	GF	E	Residential	85	68	68	68	68	1.6	No
R0601	GF	N	Residential	85	72	71	72	71	1.5	No
R0603	GF	E	Residential	85	69	69	69	69	1.2	No
R0604	GF	E	Residential	85	72	72	72	72	1.7	No
R0606	GF	E	Residential	85	73	72	73	72	0.3	No
R0609	GF	E	Residential	85	74	73	74	73	1.3	No
R0609	F 1	E	Residential	85	77	75	77	75	0	No
R0610	GF	E	Residential	85	71	71	71	71	1.7	No
R0611	GF	N	Residential	85	71	71	71	72	2.3	No
R0611	F 1	N	Residential	85	73	72	73	71	1.8	No
R0613	GF	N	Residential	85	72	72	72	72	1.1	No
R0614	GF	E	Residential	85	74	73	74	73	1.5	No
R0615	GF	E	Residential	85	71	71	71	71	1.9	No
R0617	GF	E	Residential	85	70	70	70	70	2.1	No
R0620	GF	E	Residential	85	75	73	75	73	1.4	No
R0622	GF	N	Residential	85	72	72	72	72	1.3	No
R0624	GF	S	Residential	85	73	72	73	72	0.9	No
R0626	GF	S	Residential	85	73	73	73	73	1.4	No
R0628	GF	NE	Residential	85	71	70	71	70	0.8	No
R0629	GF	E	Residential	85	70	70	70	70	2	No
R0630	GF	SW	Residential	85	71	70	71	70	0.6	No
R0632	GF	SE	Residential	85	70	70	70	70	1.6	No
R0633	GF	E	Residential	85	72	72	72	72	1.7	No
R0634	GF	S	Residential	85	75	74	75	74	1.3	No
R0634	F 1	S	Residential	85	76	75	76	75	0.4	No
R0635	GF	NW	Residential	85	68	68	68	68	2.3	No
R0636	GF	E	Residential	85	71	71	71	71	0.8	No
R0637	GF	N	Residential	85	72	72	72	72	2	No
R0638	GF	NE	Residential	85	73	73	73	76	1.2	No
R0638	F 1	NE	Residential	85	77	76	77	73	0	No
R0640	GF	E	Residential	85	72	72	72	72	1.9	No
R0640	F 1	E	Residential	85	77	76	77	76	1.1	No
R0642	GF	N	Residential	85	71	71	71	71	1.6	No
R0643	GF	E	Residential	85	70	70	70	70	1.1	No
R0645	GF	S	Residential	85	70	70	70	75	1.6	No
R0645	F 1	S	Residential	85	76	75	76	70	0.5	No
R0646	GF	E	Residential	85	73	73	73	73	1.7	No
R0647	GF	N	Residential	85	73	73	73	73	0.7	No
R0648	GF	NE	Residential	85	71	70	71	70	1.4	No
R0648	F 1	NE	Residential	85	74	72	74	72	0.9	No
R0650	GF	N	Residential	85	72	72	72	72	1.7	No
R0652	GF	E	Residential	85	72	72	72	76	1.7	No
R0652	F 1	E	Residential	85	77	76	77	72	0.7	No
R0653	GF	E	Residential	85	71	70	71	70	1	No
R0654	GF	E	Residential	85	71	71	71	75	1.6	No
R0654	F 1	E	Residential	85	76	75	76	71	0.8	No
R0655	GF	N	Residential	85	72	72	72	72	1.4	No
R0657	GF	S	Residential	85	73	72	73	72	1.3	No
R0658	GF	N	Residential	85	72	72	72	72	1.2	No
R0662	GF	NE	Residential	85	73	73	73	73	0.9	No
R0664	GF	S	Residential	85	75	74	75	75	0.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0664	F 1	S	Residential	85	76	75	77	74	0.1	No
R0665	GF	E	Residential	85	71	71	71	71	1.2	No
R0666	GF	E	Residential	85	72	72	72	72	1.5	No
R0667	GF	N	Residential	85	72	72	72	72	1.5	No
R0668	GF	E	Residential	85	71	71	71	71	1.7	No
R0669	GF	E	Residential	85	70	70	70	70	2	No
R0670	GF	E	Residential	85	72	72	72	72	1.7	No
R0672	GF	S	Residential	85	74	73	74	73	0.7	No
R0673	GF	E	Residential	85	69	70	69	70	1.4	No
R0674	GF	S	Residential	85	72	71	72	71	1.1	No
R0676	GF	E	Residential	85	68	68	68	68	1.6	No
R0676	F 1	E	Residential	85	73	73	73	75	1.3	No
R0676	F 2	E	Residential	85	76	75	76	73	0.4	No
R0677	GF	E	Residential	85	68	68	68	68	2	No
R0677	F 1	E	Residential	85	73	73	73	73	1.3	No
R0678	GF	SE	Residential	85	71	71	71	71	1	No
R0680	GF	E	Residential	85	71	71	71	71	1.6	No
R0680	F 1	E	Residential	85	75	75	75	75	0.9	No
R0681	GF	E	Residential	85	71	71	71	71	1.7	No
R0682	GF	S	Residential	85	72	72	72	72	0.7	No
R0684	GF	E	Residential	85	71	71	71	71	1.1	No
R0685	GF	E	Residential	85	73	73	73	73	1.6	No
R0686	GF	E	Residential	85	72	72	72	72	2.1	No
R0687	GF	E	Residential	85	73	72	73	72	-0.2	No
R0688	GF	N	Residential	85	72	72	72	72	1	No
R0689	GF	E	Residential	85	69	68	69	68	1.4	No
R0690	GF	S	Residential	85	72	72	72	72	1	No
R0691	GF	E	Residential	85	70	70	70	70	1.7	No
R0693	GF	SE	Active recreation	n/a	72	71	72	71	0.4	No
R0694	GF	E	Residential	85	73	73	73	73	1.7	No
R0694	F 1	E	Residential	85	78	77	78	77	0	No
R0695	GF	NE	Residential	85	73	73	73	73	2	No
R0696	GF	NE	Residential	85	73	73	73	73	1.1	No
R0697	GF	S	Residential	85	71	71	71	71	1.9	No
R0699	GF	SE	Residential	85	69	69	69	69	1.5	No
R0700	GF	E	Residential	85	72	72	72	72	0.8	No
R0701	GF	E	Residential	85	71	71	71	71	1.3	No
R0703	GF	E	Residential	85	71	71	71	71	2.2	No
R0703	F 1	E	Residential	85	76	75	76	75	1.3	No
R0706	GF	E	Residential	85	72	72	72	75	1	No
R0706	F 1	E	Residential	85	76	75	76	72	1.1	No
R0708	GF	S	Residential	85	70	70	70	70	2.2	No
R0709	GF	E	Residential	85	73	73	73	73	2	No
R0709	F 1	E	Residential	85	76	75	76	75	1.1	No
R0710	GF	E	Residential	85	72	72	72	72	1.5	No
R0711	GF	E	Residential	85	73	72	73	72	1.9	No
R0712	GF	E	Residential	85	73	73	73	73	2	No
R0714	GF	SE	Residential	85	73	73	73	73	2.1	No
R0715	GF	N	Residential	85	73	73	73	73	0.6	No
R0716	GF	E	Residential	85	74	73	74	73	1.6	No
R0717	GF	E	Residential	85	72	72	72	72	2.2	No
R0718	GF	N	Residential	85	69	69	69	69	1.3	No
R0719	GF	E	Residential	85	73	73	73	73	1.3	No
R0721	GF	S	Residential	85	73	72	73	72	1.3	No
R0723	GF	E	Residential	85	74	73	74	73	1.9	No
R0724	GF	E	Residential	85	74	73	74	73	1.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0725	GF	E	Residential	85	73	72	73	72	1.4	No
R0726	GF	E	Residential	85	74	73	73	73	1.8	No
R0727	GF	SW	Residential	85	70	70	70	70	1.6	No
R0729	GF	NE	Residential	85	74	74	74	74	1	No
R0730	GF	S	Residential	85	67	68	67	68	2.2	No
R0730	F 1	S	Residential	85	73	73	73	73	1.6	No
R0731	GF	N	Residential	85	73	73	73	73	1.1	No
R0732	GF	E	Residential	85	73	73	73	73	2	No
R0733	GF	S	Residential	85	72	72	72	72	1.5	No
R0734	GF	E	Residential	85	74	74	74	74	1.6	No
R0734	F 1	E	Residential	85	77	76	77	76	0.7	No
R0737	GF	E	Residential	85	73	73	73	76	1.6	No
R0737	F 1	E	Residential	85	77	76	77	73	0.9	No
R0739	GF	E	Residential	85	72	72	72	73	1.2	No
R0739	F 1	E	Residential	85	74	73	74	75	1.1	No
R0739	F 2	E	Residential	85	75	75	75	72	1.1	No
R0741	GF	N	Residential	85	73	72	73	73	0.8	No
R0741	F 1	N	Residential	85	74	73	74	72	0.7	No
R0742	GF	E	Residential	85	73	72	73	72	1.7	No
R0742	F 1	E	Residential	85	76	75	76	75	1.3	No
R0745	GF	S	Residential	85	72	72	72	76	1	No
R0745	F 1	S	Residential	85	77	76	77	72	0.2	No
R0746	GF	N	Residential	85	70	70	70	70	0.3	No
R0748	GF	S	Residential	85	72	72	72	72	1.4	No
R0751	GF	E	Commercial	n/a	72	71	72	71	1.5	No
R0752	GF	SE	Residential	85	73	72	73	72	1.4	No
R0753	GF	E	Residential	85	72	72	72	75	1.5	No
R0753	F 1	E	Residential	85	76	75	76	72	1.7	No
R0754	GF	E	Residential	85	71	70	71	70	0.8	No
R0756	GF	NE	Residential	85	73	73	73	73	1.5	No
R0759	GF	N	Residential	85	72	72	72	72	1.2	No
R0760	GF	S	Residential	85	72	72	72	72	0.9	No
R0761	GF	S	Residential	85	77	77	77	77	0	No
R0762	GF	E	Residential	85	71	71	71	71	1.8	No
R0762	F 1	E	Residential	85	75	74	75	74	1.2	No
R0766	GF	E	Residential	85	72	72	72	72	1.4	No
R0768	GF	S	Residential	85	72	72	72	76	1.2	No
R0768	F 1	S	Residential	85	77	76	77	72	0.5	No
R0769	GF	E	Residential	85	71	71	71	71	1.8	No
R0771	GF	E	Residential	85	71	71	71	71	0.6	No
R0771	F 1	E	Residential	85	73	73	73	73	0.7	No
R0773	GF	E	Residential	85	71	71	71	71	0.5	No
R0774	GF	E	Residential	85	71	71	71	77	0.9	No
R0774	F 1	E	Residential	85	77	77	77	71	0.8	No
R0775	GF	W	Residential	85	71	71	71	71	1.8	No
R0778	GF	S	Residential	85	74	73	74	73	1.3	No
R0778	F 1	S	Residential	85	76	75	76	75	0.6	No
R0778	F 2	S	Residential	85	77	76	77	76	0.1	No
R0779	GF	S	Residential	85	72	71	72	71	2.4	No
R0780	GF	E	Residential	85	71	70	71	75	1.6	No
R0780	F 1	E	Residential	85	75	75	75	70	1.4	No
R0781	GF	N	Residential	85	73	72	73	72	0.7	No
R0782	GF	E	Residential	85	70	70	70	70	2.1	No
R0783	GF	N	Active recreation	n/a	76	75	76	75	0.1	No
R0784	GF	E	Residential	85	69	69	69	69	1.5	No
R0787	GF	E	Residential	85	71	71	71	71	2	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0788	GF	S	Residential	85	73	72	73	72	1.1	No
R0791	GF	E	Residential	85	68	69	68	75	1.3	No
R0791	F 1	E	Residential	85	76	75	76	69	0.8	No
R0792	GF	SE	Residential	85	73	73	73	73	0.7	No
R0793	GF	E	Residential	85	70	70	70	70	2	No
R0794	GF	SE	Residential	85	70	71	70	72	0.8	No
R0794	F 1	SE	Residential	85	71	72	72	71	1.1	No
R0795	GF	E	Residential	85	72	72	72	72	1.9	No
R0798	GF	E	Residential	85	70	70	70	70	2.4	No
R0799	GF	N	Residential	85	72	72	72	72	1.6	No
R0800	GF	W	Residential	85	68	67	68	67	-0.3	No
R0802	GF	S	Residential	85	78	78	78	78	0	No
R0803	GF	N	Residential	85	72	72	72	72	1.3	No
R0804	GF	N	Residential	85	70	70	70	70	1	No
R0805	GF	E	Residential	85	72	72	72	72	1.5	No
R0807	GF	E	Residential	85	70	70	70	70	0.3	No
R0807	F 1	E	Residential	85	73	72	73	72	0.9	No
R0808	GF	N	Residential	85	73	73	73	73	0.9	No
R0811	GF	S	Residential	85	70	70	70	70	1	No
R0811	F 1	S	Residential	85	75	74	75	74	1.2	No
R0812	GF	NE	Residential	85	75	74	75	75	0	No
R0814	GF	SE	Residential	85	74	73	74	73	0.2	No
R0815	GF	E	Residential	85	73	73	73	73	1.6	No
R0816	GF	S	Residential	85	71	71	71	71	1	No
R0816	F 1	S	Residential	85	74	73	74	74	0.1	No
R0817	GF	E	Residential	85	75	74	75	76	-0.2	No
R0817	F 1	E	Residential	85	77	76	77	74	-0.3	No
R0819	GF	E	Residential	85	70	70	70	70	1.7	No
R0820	GF	S	Residential	85	65	66	65	66	2.5	No
R0820	F 1	S	Residential	85	72	71	72	71	1.4	No
R0821	GF	E	Residential	85	71	71	71	71	2	No
R0822	GF	SE	Residential	85	74	73	74	73	-0.1	No
R0823	GF	N	Residential	85	73	72	73	72	0.6	No
R0823	F 1	N	Residential	85	75	74	75	74	0.4	No
R0825	GF	E	Residential	85	71	71	71	71	2.5	No
R0825	F 1	E	Residential	85	76	75	76	75	1	No
R0826	GF	E	Residential	85	72	72	72	72	0.6	No
R0827	GF	E	Residential	85	67	67	67	72	2.8	No
R0827	F 1	E	Residential	85	72	72	72	67	1.8	No
R0828	GF	E	Residential	85	71	71	71	71	2	No
R0829	GF	E	Residential	85	72	72	72	72	1.5	No
R0831	GF	E	Residential	85	71	71	71	71	1.8	No
R0832	GF	N	Residential	85	73	73	73	73	1.1	No
R0833	GF	N	Residential	85	73	72	73	72	0.8	No
R0834	GF	E	Residential	85	72	72	72	72	1.5	No
R0835	GF	S	Residential	85	73	73	73	73	0.5	No
R0838	GF	E	Residential	85	71	71	71	71	1.7	No
R0839	GF	E	Residential	85	72	72	72	72	1.3	No
R0840	GF	E	Residential	85	72	72	72	72	1.4	No
R0841	GF	NE	Residential	85	72	72	72	72	0.8	No
R0843	GF	SE	Residential	85	74	74	74	74	0.1	No
R0844	GF	E	Residential	85	71	71	71	71	1.9	No
R0845	GF	N	Residential	85	72	72	72	72	1.2	No
R0846	GF	E	Residential	85	73	72	73	72	0.8	No
R0847	GF	N	Residential	85	73	73	73	73	0.9	No
R0849	GF	E	Residential	85	71	71	71	71	1.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0850	GF	SE	Residential	85	79	79	79	79	0.1	No
R0851	GF	NE	Active recreation	n/a	79	79	79	79	0	No
R0855	GF	NE	Residential	85	81	80	81	80	0.1	No
R0856	GF	SE	Residential	85	75	74	75	74	-0.4	No
R0857	GF	E	Residential	85	73	72	73	72	0.9	No
R0859	GF	E	Residential	85	71	71	71	71	1.8	No
R0860	GF	E	Residential	85	75	75	75	78	1.1	No
R0860	F 1	E	Residential	85	79	78	79	75	0.8	No
R0863	GF	E	Residential	85	73	72	73	72	0.2	No
R0864	GF	E	Residential	85	74	73	74	73	1.7	No
R0865	GF	E	Residential	85	73	73	73	73	0.8	No
R0867	GF	N	Residential	85	73	73	73	73	1.1	No
R0868	GF	SE	Residential	85	72	72	72	72	0.1	No
R0869	GF	E	Residential	85	73	73	73	73	0.6	No
R0871	GF	E	Residential	85	72	72	72	72	1.3	No
R0872	GF	E	Residential	85	72	72	72	72	1.4	No
R0873	GF	E	Residential	85	66	66	66	66	2.2	No
R0874	GF	NE	Residential	85	73	73	73	73	1.7	No
R0875	GF	NE	Residential	85	73	72	73	72	0.6	No
R0876	GF	E	Residential	85	72	71	72	71	1.5	No
R0878	GF	NW	Residential	85	66	66	66	66	2.2	No
R0878	F 1	NW	Residential	85	70	70	70	70	1.9	No
R0879	GF	SE	Residential	85	72	71	72	72	0.3	No
R0879	F 1	SE	Residential	85	75	74	75	74	-0.2	No
R0880	GF	S	Residential	85	74	73	74	73	-0.2	No
R0881	GF	S	Residential	85	72	72	72	72	1.3	No
R0882	GF	NE	Residential	85	73	73	73	75	1	No
R0882	F 1	NE	Residential	85	77	75	77	73	0.3	No
R0883	GF	NE	Residential	85	79	79	79	79	0.1	No
R0883	F 1	NE	Residential	85	79	79	79	78	0.1	No
R0884	GF	S	Residential	85	71	71	72	71	1.1	No
R0885	GF	SE	Residential	85	76	75	76	75	-0.2	No
R0886	GF	E	Residential	85	73	73	73	73	1.8	No
R0891	GF	N	Residential	85	73	73	73	73	1	No
R0893	GF	N	Residential	85	74	73	73	73	1	No
R0894	GF	N	Residential	85	73	72	73	75	0.4	No
R0894	F 1	N	Residential	85	76	75	76	72	1.2	No
R0895	GF	E	Residential	85	71	71	71	77	0.3	No
R0895	F 1	E	Residential	85	72	72	72	71	0.6	No
R0895	F 2	E	Residential	85	74	74	74	74	0.4	No
R0895	F 3	E	Residential	85	77	77	77	72	1.1	No
R0897	GF	E	Residential	85	69	69	69	69	1.3	No
R0899	GF	E	Residential	85	73	73	73	73	1.9	No
R0900	GF	E	Residential	85	74	74	74	74	1.9	No
R0902	GF	E	Residential	85	69	69	69	69	1.5	No
R0902	F 1	E	Residential	85	75	75	75	75	1	No
R0905	GF	SE	Residential	85	81	81	81	81	0	No
R0906	GF	S	Residential	85	72	72	72	72	0.1	No
R0908	GF	S	Residential	85	76	75	76	76	0	No
R0909	GF	E	Residential	85	73	72	73	72	0.5	No
R0911	GF	S	Residential	85	70	70	70	70	1.1	No
R0911	F 1	S	Residential	85	76	75	76	75	0.7	No
R0914	GF	E	Residential	85	74	74	74	76	1.1	No
R0914	F 1	E	Residential	85	77	76	77	74	-0.1	No
R0916	GF	E	Residential	85	70	70	71	75	0.6	No
R0916	F 1	E	Residential	85	73	72	73	72	0.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0916	F 2	E	Residential	85	75	75	75	70	1.1	No
R0917	GF	S	Residential	85	75	74	74	74	1.8	No
R0917	F 1	S	Residential	85	77	76	77	76	0.4	No
R0918	GF	N	Residential	85	73	74	73	76	1.1	No
R0918	F 1	N	Residential	85	76	76	76	74	1	No
R0919	GF	E	Residential	85	72	72	72	72	2.5	No
R0920	GF	E	Residential	85	72	72	72	72	2.2	No
R0921	GF	E	Residential	85	74	74	74	76	0.8	No
R0921	F 1	E	Residential	85	77	76	77	74	-0.1	No
R0923	GF	E	Residential	85	75	74	75	74	-0.6	No
R0924	GF	E	Residential	85	69	69	69	69	1.9	No
R0925	GF	SE	Residential	85	77	76	77	76	0.1	No
R0926	GF	E	Residential	85	72	72	72	72	2.3	No
R0927	GF	N	Residential	85	74	73	74	73	0	No
R0928	GF	S	Residential	85	72	71	72	71	0.2	No
R0933	GF	SE	Residential	85	81	80	81	80	0	No
R0935	GF	E	Residential	85	70	71	70	71	2	No
R0936	GF	E	Residential	85	73	73	73	73	1.1	No
R0937	GF	E	Residential	85	66	67	66	67	1.9	No
R0940	GF	S	Residential	85	74	74	74	74	0.2	No
R0941	GF	N	Residential	85	73	73	73	73	0.9	No
R0942	GF	N	Residential	85	74	74	74	74	0.8	No
R0943	GF	N	Residential	85	71	70	71	72	0.7	No
R0943	F 1	N	Residential	85	73	72	73	75	0	No
R0943	F 2	N	Residential	85	76	75	76	70	0.1	No
R0945	GF	E	Residential	85	75	74	75	74	0	No
R0947	GF	S	Residential	85	72	72	72	72	0.7	No
R0948	GF	E	Residential	85	71	72	71	72	1.4	No
R0949	GF	E	Residential	85	74	73	74	73	1.1	No
R0949	F 1	E	Residential	85	76	75	76	75	0.8	No
R0950	GF	S	Residential	85	72	72	72	72	0.5	No
R0951	GF	E	Residential	85	74	74	74	74	0.8	No
R0953	GF	E	Residential	85	72	72	72	72	1.9	No
R0954	GF	N	Residential	85	71	71	71	71	1.1	No
R0956	GF	E	Residential	85	70	70	70	70	2.1	No
R0958	GF	E	Residential	85	72	72	72	72	1.5	No
R0959	GF	E	Residential	85	72	72	72	76	1.7	No
R0959	F 1	E	Residential	85	77	76	77	72	0.9	No
R0961	GF	E	Residential	85	74	73	74	73	0.8	No
R0964	GF	E	Residential	85	70	70	70	73	1.1	No
R0964	F 1	E	Residential	85	74	73	74	74	1.6	No
R0964	F 2	E	Residential	85	75	74	75	70	0.7	No
R0965	GF	S	Residential	85	73	73	73	73	1.6	No
R0966	GF	E	Residential	85	73	73	73	73	0.9	No
R0968	GF	E	Residential	85	74	73	74	73	1.1	No
R0968	F 1	E	Residential	85	76	75	76	75	0.6	No
R0969	GF	E	Residential	85	71	71	71	71	1.9	No
R0972	GF	E	Residential	85	71	71	71	71	1.5	No
R0972	F 1	E	Residential	85	76	75	76	75	0.9	No
R0973	GF	S	Residential	85	74	74	74	74	0	No
R0974	GF	N	Residential	85	74	74	74	74	0.9	No
R0976	GF	SE	Residential	85	80	80	80	80	0	No
R0977	GF	E	Residential	85	71	71	71	71	1.5	No
R0978	GF	E	Residential	85	71	71	71	71	1.7	No
R0979	GF	E	Residential	85	74	74	74	74	0.8	No
R0980	GF	N	Residential	85	74	73	74	73	1.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R0982	GF	SE	Residential	85	74	74	74	74	0.6	No
R0983	GF	E	Residential	85	68	69	68	71	1.6	No
R0983	F 1	E	Residential	85	71	71	71	69	1.5	No
R0984	GF	E	Residential	85	73	73	73	73	1.6	No
R0984	F 1	E	Residential	85	76	75	76	75	0.9	No
R0985	GF	N	Residential	85	73	73	73	73	0.8	No
R0986	GF	E	Residential	85	74	73	74	76	1.7	No
R0986	F 1	E	Residential	85	76	75	76	73	0.5	No
R0986	F 2	E	Residential	85	77	76	77	75	0.6	No
R0987	GF	N	Residential	85	73	73	73	73	0.8	No
R0990	GF	N	Residential	85	74	74	74	74	1.6	No
R0991	GF	E	Residential	85	73	73	73	73	1.8	No
R0991	F 1	E	Residential	85	77	76	77	76	0.9	No
R0994	GF	E	Residential	85	74	74	74	74	1.5	No
R0994	F 1	E	Residential	85	76	76	76	76	0.7	No
R0995	GF	E	Residential	85	72	72	72	72	1.3	No
R0996	GF	E	Residential	85	74	74	74	74	0.5	No
R0997	GF	S	Residential	85	72	72	72	72	1.3	No
R1000	GF	E	Residential	85	71	71	71	71	1.6	No
R1001	GF	E	Residential	85	72	72	72	72	1.6	No
R1002	GF	S	Residential	85	75	75	75	75	1	No
R1002	F 1	S	Residential	85	77	76	77	76	0.7	No
R1003	GF	E	Residential	85	74	73	74	76	2.1	No
R1003	F 1	E	Residential	85	77	76	77	73	0.9	No
R1007	GF	E	Residential	85	74	73	74	73	0.2	No
R1009	GF	N	Residential	85	73	73	73	73	1	No
R1011	GF	E	Residential	85	74	74	74	74	0.9	No
R1012	GF	NE	Residential	85	81	80	81	80	0	No
R1013	GF	E	Residential	85	77	76	77	76	0	No
R1014	GF	S	Residential	85	70	71	70	71	1.7	No
R1016	GF	E	Residential	85	74	74	74	74	2	No
R1018	GF	N	Residential	85	71	71	71	71	1.3	No
R1018	F 1	N	Residential	85	77	77	77	77	0.9	No
R1019	GF	E	Residential	85	67	67	67	67	2.6	No
R1020	GF	W	Residential	85	70	71	70	71	1.8	No
R1021	GF	E	Residential	85	74	74	74	74	1.9	No
R1022	GF	N	Residential	85	74	73	74	73	0.8	No
R1023	GF	S	Residential	85	73	73	73	73	1	No
R1023	F 1	S	Residential	85	78	77	78	77	0.7	No
R1024	GF	E	Residential	85	74	74	74	79	0.6	No
R1024	F 1	E	Residential	85	78	77	78	77	0.1	No
R1024	F 2	E	Residential	85	79	79	79	74	0.1	No
R1027	GF	SE	Residential	85	74	74	74	74	0.2	No
R1028	GF	N	Residential	85	73	73	73	73	1	No
R1029	GF	E	Residential	85	76	75	76	75	0	No
R1031	GF	S	Residential	85	73	73	73	73	0.7	No
R1032	GF	E	Residential	85	74	73	74	73	1.6	No
R1033	GF	E	Residential	85	72	71	71	76	1.7	No
R1033	F 1	E	Residential	85	77	76	77	71	1	No
R1034	GF	SE	Residential	85	81	81	81	81	0	No
R1035	GF	S	Residential	85	72	72	72	72	1.6	No
R1036	GF	SE	Residential	85	73	73	73	73	0	No
R1036	F 1	SE	Residential	85	75	75	75	77	0	No
R1036	F 2	SE	Residential	85	78	77	78	75	0.1	No
R1039	GF	E	Residential	85	69	69	69	69	1.9	No
R1042	GF	N	Residential	85	74	74	74	74	0.9	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1043	GF	E	Residential	85	81	80	81	80	0	No
R1044	GF	E	Residential	85	71	71	71	71	1.1	No
R1045	GF	E	Residential	85	73	72	73	72	1.8	No
R1045	F 1	E	Residential	85	76	75	76	75	1.1	No
R1047	GF	E	Residential	85	75	73	75	73	-0.1	No
R1048	GF	E	Residential	85	75	74	75	74	0.5	No
R1048	F 1	E	Residential	85	77	77	78	77	0.1	No
R1048	F 2	E	Residential	85	79	78	79	78	0	No
R1049	GF	E	Residential	85	72	72	72	74	0.5	No
R1049	F 1	E	Residential	85	75	74	75	72	0.1	No
R1050	GF	E	Residential	85	71	72	71	72	2.3	No
R1050	F 1	E	Residential	85	76	75	76	75	1.4	No
R1052	GF	SE	Residential	85	74	74	74	74	0.5	No
R1053	GF	E	Residential	85	81	80	81	80	0	No
R1054	GF	E	Residential	85	68	68	68	68	1.3	No
R1054	F 1	E	Residential	85	73	73	73	73	1.6	No
R1055	GF	SE	Residential	85	73	72	73	74	0.9	No
R1055	F 1	SE	Residential	85	74	74	74	77	1.2	No
R1055	F 2	SE	Residential	85	77	77	77	79	1	No
R1055	F 3	SE	Residential	85	79	79	79	72	0.9	No
R1057	GF	S	Residential	85	73	73	73	73	2	No
R1058	GF	E	Residential	85	72	72	72	75	2	No
R1058	F 1	E	Residential	85	76	75	76	72	1.3	No
R1059	GF	E	Residential	85	72	72	72	72	1	No
R1060	GF	E	Residential	85	81	80	81	80	0	No
R1061	GF	S	Residential	85	71	71	71	71	1.8	No
R1062	GF	N	Residential	85	74	74	74	79	1.1	No
R1062	F 1	N	Residential	85	79	78	79	78	0.6	No
R1062	F 2	N	Residential	85	80	79	80	74	0.4	No
R1063	GF	E	Residential	85	74	73	74	73	1.1	No
R1064	GF	E	Residential	85	75	74	75	77	1.3	No
R1064	F 1	E	Residential	85	78	77	78	74	0.3	No
R1064	F 2	E	Residential	85	79	78	79	78	0	No
R1065	GF	S	Residential	85	79	78	79	78	0	No
R1066	GF	E	Residential	85	81	80	81	80	0	No
R1067	GF	S	Residential	85	73	73	73	73	0.2	No
R1068	GF	N	Residential	85	72	73	72	73	1.1	No
R1070	GF	S	Residential	85	70	70	70	70	1.1	No
R1071	GF	SE	Residential	85	75	75	75	77	0.5	No
R1071	F 1	SE	Residential	85	78	77	78	74	0.2	No
R1072	GF	E	Residential	85	73	73	73	76	1.9	No
R1072	F 1	E	Residential	85	77	76	77	73	1	No
R1074	GF	E	Residential	85	77	77	77	77	0.1	No
R1078	GF	E	Residential	85	70	70	70	74	1.9	No
R1078	F 1	E	Residential	85	75	74	75	70	1	No
R1079	GF	E	Residential	85	79	78	79	78	0.1	No
R1082	GF	N	Residential	85	79	79	79	79	0.1	No
R1082	F 1	N	Residential	85	79	79	79	79	0.1	No
R1083	GF	E	Residential	85	76	75	76	75	0.8	No
R1084	GF	E	Residential	85	70	70	70	70	1.6	No
R1091	GF	E	Residential	85	73	73	73	73	0.7	No
R1092	GF	E	Residential	85	71	71	71	71	1.2	No
R1093	GF	N	Residential	85	74	74	74	74	1	No
R1094	GF	E	Residential	85	75	75	75	75	0.4	No
R1095	GF	N	Residential	85	73	73	73	73	0.1	No
R1097	GF	SE	Residential	85	74	74	74	74	0.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1101	GF	N	Residential	85	75	75	75	75	0	No
R1102	GF	E	Residential	85	71	71	71	71	1.4	No
R1104	GF	S	Residential	85	73	73	73	73	0.9	No
R1107	GF	N	Residential	85	75	73	75	73	0.1	No
R1108	GF	E	Residential	85	80	80	80	80	0.1	No
R1116	GF	SE	Residential	85	74	74	74	74	0.3	No
R1117	GF	S	Residential	85	74	74	74	74	1.1	No
R1119	GF	S	Residential	85	73	72	73	72	0.7	No
R1119	F 1	S	Residential	85	77	76	77	76	0.2	No
R1120	GF	E	Residential	85	74	73	74	78	1.4	No
R1120	F 1	E	Residential	85	79	78	79	73	0.6	No
R1121	GF	E	Residential	85	74	74	74	74	1.6	No
R1124	GF	E	Residential	85	73	73	73	73	1.6	No
R1125	GF	E	Residential	85	71	71	71	71	2	No
R1127	GF	E	Residential	85	73	73	73	78	1.7	No
R1127	F 1	E	Residential	85	79	78	79	73	0.5	No
R1128	GF	E	Residential	85	75	75	75	75	0.2	No
R1130	GF	E	Residential	85	74	73	74	73	1.6	No
R1132	GF	S	Residential	85	74	74	74	74	1.1	No
R1133	GF	E	Residential	85	71	71	71	71	1.3	No
R1133	F 1	E	Residential	85	75	75	75	75	1.1	No
R1135	GF	E	Residential	85	74	74	74	74	2.2	No
R1135	F 1	E	Residential	85	78	77	78	77	1.7	No
R1137	GF	E	Residential	85	74	74	74	74	1	No
R1139	GF	N	Residential	85	75	74	75	74	0.1	No
R1140	GF	E	Residential	85	71	71	71	71	1.2	No
R1142	GF	S	Residential	85	73	73	73	73	0.4	No
R1143	GF	E	Residential	85	72	72	72	72	0.9	No
R1144	GF	W	Residential	85	68	68	68	68	0.6	No
R1144	F 1	W	Residential	85	75	75	75	75	1.2	No
R1146	GF	SE	Residential	85	75	75	75	75	0.5	No
R1147	GF	S	Residential	85	72	72	72	72	0.5	No
R1148	GF	E	Residential	85	74	74	74	78	2.3	No
R1148	F 1	E	Residential	85	78	78	79	74	1.1	No
R1149	GF	E	Residential	85	74	73	74	73	1.2	No
R1152	GF	E	Residential	85	80	80	80	80	0.2	No
R1152	F 1	E	Residential	85	81	80	81	80	0.1	No
R1153	GF	SE	Residential	85	74	74	74	74	0.8	No
R1154	GF	E	Residential	85	75	75	75	75	0.7	No
R1156	GF	E	Residential	85	70	70	70	73	1.3	No
R1156	F 1	E	Residential	85	74	73	74	70	0.5	No
R1158	GF	S	Residential	85	68	68	68	73	1.9	No
R1158	F 1	S	Residential	85	75	73	75	68	0.4	No
R1160	GF	S	Residential	85	74	74	74	74	0.5	No
R1161	GF	E	Residential	85	76	76	76	76	0.6	No
R1163	GF	E	Residential	85	75	75	75	75	0.9	No
R1166	GF	W	Residential	85	68	67	68	67	0.9	No
R1166	F 1	W	Residential	85	72	72	72	72	1.5	No
R1168	GF	SE	Residential	85	75	75	75	75	0.9	No
R1171	GF	E	Residential	85	70	70	70	74	1.9	No
R1171	F 1	E	Residential	85	74	74	74	70	1.1	No
R1172	GF	NE	Residential	85	76	76	76	76	0.5	No
R1174	GF	E	Residential	85	71	71	71	71	1.1	No
R1174	F 1	E	Residential	85	75	75	75	75	1	No
R1175	GF	S	Residential	85	70	70	70	73	1.5	No
R1175	F 1	S	Residential	85	73	73	73	70	1.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1176	GF	E	Residential	85	73	73	73	73	1.4	No
R1176	F 1	E	Residential	85	77	76	77	76	0.8	No
R1177	GF	E	Residential	85	73	73	73	73	1.7	No
R1178	GF	S	Residential	85	76	75	76	75	0.9	No
R1178	F 1	S	Residential	85	77	77	77	77	0.8	No
R1179	GF	S	Commercial	n/a	74	74	74	74	1.1	No
R1180	GF	E	Residential	85	73	73	73	77	1.4	No
R1180	F 1	E	Residential	85	77	77	77	73	0.6	No
R1181	GF	E	Residential	85	76	75	76	75	0.6	No
R1182	GF	N	Residential	85	81	81	81	81	0	No
R1182	F 1	N	Residential	85	81	81	81	81	0.1	No
R1183	GF	S	Residential	85	76	75	76	75	0	No
R1184	GF	E	Residential	85	76	75	76	75	1	No
R1185	GF	E	Residential	85	77	76	77	77	0.3	No
R1186	GF	S	Residential	85	67	67	67	67	-0.1	No
R1186	F 1	S	Residential	85	68	68	68	68	0	No
R1187	GF	E	Residential	85	74	74	74	74	0.8	No
R1188	GF	E	Residential	85	76	75	76	75	0.5	No
R1189	GF	E	Residential	85	76	75	76	75	0.9	No
R1191	GF	W	Residential	85	68	67	68	67	-0.3	No
R1191	F 1	W	Residential	85	69	68	69	68	0.1	No
R1191	F 2	W	Residential	85	69	69	69	68	0	No
R1191	F 3	W	Residential	85	69	68	69	69	1.7	No
R1192	GF	NE	Residential	85	75	74	75	74	0	No
R1193	GF	E	Residential	85	73	73	73	76	1.2	No
R1193	F 1	E	Residential	85	77	76	77	73	1	No
R1195	GF	E	Residential	85	80	79	80	79	0	No
R1198	GF	S	Residential	85	75	74	75	74	0.7	No
R1200	GF	E	Residential	85	73	73	73	76	1.5	No
R1200	F 1	E	Residential	85	77	76	77	73	0.9	No
R1201	GF	E	Residential	85	73	73	73	73	1.3	No
R1202	GF	E	Residential	85	78	77	78	77	0	No
R1203	GF	E	Residential	85	73	73	73	73	1.4	No
R1205	GF	E	Residential	85	75	75	75	75	0.7	No
R1208	GF	E	Residential	85	75	75	75	75	1.8	No
R1212	GF	E	Residential	85	75	75	75	75	0.4	No
R1213	GF	SE	Residential	85	76	76	76	79	0.3	No
R1213	F 1	SE	Residential	85	78	78	78	76	0.7	No
R1213	F 2	SE	Residential	85	79	79	79	78	0.7	No
R1215	GF	E	Residential	85	74	74	74	74	0.8	No
R1217	GF	E	Residential	85	73	72	73	72	1.9	No
R1217	F 1	E	Residential	85	77	76	77	76	1.2	No
R1220	GF	NE	Residential	85	75	75	75	75	0.2	No
R1221	GF	N	Residential	85	75	75	75	75	0.9	No
R1223	GF	E	Residential	85	73	73	73	73	1.9	No
R1227	GF	N	Residential	85	65	66	65	66	1.1	No
R1227	F 1	N	Residential	85	67	67	67	67	1.6	No
R1228	GF	E	Residential	85	72	72	72	72	2.2	No
R1230	GF	E	Residential	85	77	77	77	77	0.3	No
R1231	GF	S	Residential	85	74	74	74	74	0.5	No
R1233	GF	E	Residential	85	76	75	76	75	0	No
R1234	GF	E	Residential	85	74	74	74	74	1.5	No
R1237	GF	E	Residential	85	72	72	72	72	2.1	No
R1238	GF	E	Residential	85	71	71	71	75	2.5	No
R1238	F 1	E	Residential	85	76	75	76	71	1.6	No
R1239	GF	E	Residential	85	71	72	71	72	2.3	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1239	F 1	E	Residential	85	76	75	76	75	1.6	No
R1239	F 2	E	Residential	85	79	78	79	78	0.7	No
R1240	GF	S	Residential	85	75	74	75	74	0.1	No
R1241	GF	E	Residential	85	76	76	76	76	0.2	No
R1248	GF	E	Residential	85	79	78	79	78	-0.1	No
R1249	GF	E	Residential	85	75	75	75	75	0.7	No
R1250	GF	E	Residential	85	77	77	77	77	0.6	No
R1251	GF	E	Residential	85	74	74	74	74	0.6	No
R1252	GF	E	Residential	85	77	76	77	76	0.1	No
R1253	GF	NE	Residential	85	76	75	76	75	0.4	No
R1254	GF	E	Residential	85	74	74	74	74	1.4	No
R1256	GF	E	Residential	85	77	77	77	77	0.3	No
R1259	GF	E	Residential	85	74	73	74	73	0	No
R1260	GF	S	Residential	85	75	75	75	75	1.3	No
R1260	F 1	S	Residential	85	77	77	77	77	0.5	No
R1261	GF	N	Residential	85	74	74	74	74	0.6	No
R1261	F 1	N	Residential	85	78	78	78	78	1	No
R1262	GF	E	Residential	85	77	77	77	77	0.3	No
R1263	GF	E	Residential	85	76	76	76	76	0.4	No
R1265	GF	E	Residential	85	76	76	76	76	0.3	No
R1267	GF	E	Residential	85	75	75	75	75	1.2	No
R1267	F 1	E	Residential	85	79	79	79	79	0.5	No
R1270	GF	NW	Residential	85	75	74	75	77	0	No
R1270	F 1	NW	Residential	85	78	77	78	75	-0.1	No
R1272	GF	E	Residential	85	75	75	75	74	1.3	No
R1273	GF	E	Residential	85	68	68	68	68	2.9	No
R1273	F 1	E	Residential	85	70	71	70	71	2.6	No
R1274	GF	E	Residential	85	72	72	72	72	1.9	No
R1275	GF	E	Residential	85	75	75	75	75	1.6	No
R1276	GF	E	Residential	85	72	71	72	71	0.8	No
R1276	F 1	E	Residential	85	74	73	74	73	0.7	No
R1277	GF	E	Residential	85	71	71	71	72	0.1	No
R1277	F 1	E	Residential	85	73	72	73	71	0.5	No
R1280	GF	E	Residential	85	78	77	78	77	0.5	No
R1282	GF	SE	Residential	85	78	78	78	78	-0.1	No
R1285	GF	S	Residential	85	75	74	75	74	0.3	No
R1286	GF	E	Residential	85	70	69	70	69	-0.3	No
R1286	F 1	E	Residential	85	72	71	72	71	0.6	No
R1288	GF	E	Residential	85	75	74	75	74	1.3	No
R1288	F 1	E	Residential	85	79	78	79	78	0.9	No
R1290	GF	E	Residential	85	73	73	73	79	1.4	No
R1290	F 1	E	Residential	85	75	74	75	74	0.9	No
R1290	F 2	E	Residential	85	77	77	77	77	0.9	No
R1290	F 3	E	Residential	85	79	79	79	73	1	No
R1291	GF	E	Residential	85	74	74	74	74	1.5	No
R1291	F 1	E	Residential	85	78	77	78	77	0.9	No
R1292	GF	E	Residential	85	77	77	77	77	0.6	No
R1293	GF	SE	Residential	85	77	77	77	76	0.3	No
R1294	GF	NE	Residential	85	77	77	77	77	0.3	No
R1295	GF	SE	Residential	85	79	79	79	79	0.6	No
R1295	F 1	SE	Residential	85	81	81	81	81	0.6	No
R1298	GF	S	Residential	85	78	78	78	78	0	No
R1299	GF	N	Residential	85	74	75	74	75	0.9	No
R1302	GF	E	Residential	85	74	74	74	74	1.6	No
R1303	GF	E	Residential	85	67	68	67	71	2.3	No
R1303	F 1	E	Residential	85	70	71	70	68	2.2	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1303	F 2	E	Residential	85	75	75	75	75	1.5	No
R1304	GF	E	Residential	85	73	73	73	73	1.8	No
R1307	GF	N	Residential	85	77	76	77	76	0	No
R1308	GF	E	Residential	85	77	76	77	76	0.4	No
R1309	GF	E	Residential	85	78	77	78	77	0.3	No
R1312	GF	S	Residential	85	74	74	74	74	0.4	No
R1313	GF	E	Residential	85	78	77	78	80	0.9	No
R1313	F 1	E	Residential	85	81	80	81	83	0.2	No
R1313	F 2	E	Residential	85	84	83	84	76	0.1	No
R1315	GF	E	Residential	85	73	73	73	73	1.7	No
R1317	GF	E	Residential	85	74	73	74	73	1.8	No
R1323	GF	E	Residential	85	77	76	77	76	0.5	No
R1324	GF	S	Residential	85	76	75	76	75	0.4	No
R1325	GF	E	Residential	85	78	77	78	77	0.5	No
R1325	F 1	E	Residential	85	81	81	81	81	0	No
R1326	GF	E	Residential	85	74	74	74	74	1.7	No
R1329	GF	S	Residential	85	78	78	78	78	0	No
R1331	GF	E	Residential	85	78	78	78	78	0.6	No
R1331	F 1	E	Residential	85	81	81	81	81	0.2	No
R1332	GF	E	Residential	85	78	77	78	77	0.7	No
R1333	GF	E	Residential	85	72	72	72	72	2.1	No
R1334	GF	E	Residential	85	80	80	80	83	0	No
R1334	F 1	E	Residential	85	82	81	82	80	0	No
R1334	F 2	E	Residential	85	84	83	84	81	0	No
R1335	GF	E	Residential	85	77	77	77	77	0.2	No
R1335	F 1	E	Residential	85	81	80	81	83	0.2	No
R1335	F 2	E	Residential	85	84	83	84	80	-0.1	No
R1336	GF	S	Residential	85	74	74	74	74	1.4	No
R1337	GF	E	Residential	85	77	76	77	76	0.5	No
R1338	GF	E	Residential	85	78	77	78	77	0.4	No
R1339	GF	E	Residential	85	72	72	72	72	2.3	No
R1340	GF	E	Residential	85	77	76	77	76	0	No
R1342	GF	NE	Residential	85	79	79	79	79	-0.2	No
R1345	GF	E	Residential	85	77	77	77	77	0.2	No
R1347	GF	E	Residential	85	78	77	78	77	-0.2	No
R1349	GF	E	Residential	85	71	72	71	72	2.1	No
R1351	GF	E	Residential	85	70	71	70	71	2.4	No
R1354	GF	E	Residential	85	76	76	76	75	0.2	No
R1356	GF	S	Residential	85	79	78	79	78	0.2	No
R1359	GF	E	Residential	85	78	77	78	77	0.3	No
R1361	GF	E	Residential	85	77	77	77	77	0.4	No
R1362	GF	S	Residential	85	68	68	68	68	0.7	No
R1362	F 1	S	Residential	85	71	71	71	71	2.3	No
R1363	GF	S	Residential	85	71	71	71	76	1.1	No
R1363	F 1	S	Residential	85	77	76	77	71	0.8	No
R1364	GF	E	Residential	85	75	75	75	75	1.2	No
R1364	F 1	E	Residential	85	80	79	80	79	0.5	No
R1365	GF	E	Residential	85	70	71	70	71	1.9	No
R1369	GF	E	Residential	85	80	79	80	79	0	No
R1371	GF	E	Residential	85	71	71	71	71	1.6	No
R1371	F 1	E	Residential	85	75	75	75	75	1	No
R1372	GF	E	Residential	85	79	79	79	79	0.1	No
R1373	GF	N	Residential	85	78	78	78	80	0.7	No
R1373	F 1	N	Residential	85	80	80	80	78	0.8	No
R1374	GF	SE	Residential	85	81	81	81	81	0.1	No
R1374	F 1	SE	Residential	85	82	82	82	82	0	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1375	GF	E	Residential	85	76	76	76	80	0.7	No
R1375	F 1	E	Residential	85	81	80	81	76	0.4	No
R1376	GF	E	Residential	85	76	76	76	76	0.8	No
R1377	GF	E	Residential	85	80	79	80	79	0.4	No
R1378	GF	E	Residential	85	78	78	78	78	0.8	No
R1380	GF	E	Residential	85	78	77	78	77	0.2	No
R1381	GF	E	Residential	85	71	71	71	71	2.1	No
R1384	GF	E	Residential	85	73	73	73	73	2	No
R1385	GF	E	Residential	85	74	74	74	74	1.8	No
R1387	GF	E	Residential	85	77	77	77	77	0.6	No
R1388	GF	E	Residential	85	75	75	75	75	1.3	No
R1389	GF	E	Residential	85	79	78	79	78	0.2	No
R1390	GF	SE	Residential	85	81	81	81	81	0.2	No
R1390	F 1	SE	Residential	85	82	82	82	82	0.3	No
R1393	GF	N	Residential	85	77	77	77	77	0.5	No
R1394	GF	SE	Residential	85	79	78	79	78	0	No
R1395	GF	S	Residential	85	71	72	71	72	1.7	No
R1396	GF	E	Residential	85	78	78	78	78	0.1	No
R1397	GF	E	Residential	85	78	78	78	78	0	No
R1399	GF	E	Residential	85	79	79	80	79	-0.4	No
R1400	GF	E	Residential	85	74	74	74	74	1.6	No
R1401	GF	E	Residential	85	76	76	76	76	0.7	No
R1404	GF	E	Residential	85	73	73	73	73	2.1	No
R1405	GF	E	Residential	85	73	73	73	73	1.6	No
R1406	GF	E	Residential	85	79	78	79	79	0.4	No
R1407	GF	E	Residential	85	73	73	73	73	1.6	No
R1408	GF	SE	Residential	85	79	79	79	79	0.1	No
R1410	GF	E	Residential	85	79	79	79	79	0.3	No
R1411	GF	E	Residential	85	72	73	72	73	1.5	No
R1413	GF	E	Residential	85	74	74	74	74	1.3	No
R1414	GF	E	Residential	85	72	73	72	73	1.9	No
R1415	GF	NE	Residential	85	79	79	79	79	0.2	No
R1417	GF	S	Residential	85	75	74	75	74	1.5	No
R1418	GF	N	Residential	85	78	78	78	78	0.9	No
R1419	GF	N	Residential	85	78	77	78	77	0	No
R1420	GF	NE	Residential	85	78	78	78	78	0	No
R1421	GF	E	Residential	85	78	78	78	78	0	No
R1422	GF	SE	Residential	85	78	78	78	78	0.1	No
R1424	GF	E	Residential	85	80	80	80	80	0.1	No
R1424	F 1	E	Residential	85	83	82	83	82	0	No
R1425	GF	S	Residential	85	73	73	73	73	2	No
R1426	GF	E	Residential	85	73	73	73	77	1.5	No
R1426	F 1	E	Residential	85	78	77	78	73	0.8	No
R1427	GF	E	Residential	85	78	78	78	78	0.1	No
R1428	GF	E	Residential	85	81	81	81	81	0.1	No
R1429	GF	NE	Residential	85	79	79	79	79	-0.1	No
R1431	GF	S	Residential	85	73	73	73	73	1	No
R1431	F 1	S	Residential	85	76	76	76	76	0.8	No
R1431	F 2	S	Residential	85	78	79	78	79	1	No
R1433	GF	SE	Residential	85	81	81	81	81	0.2	No
R1434	GF	E	Residential	85	79	78	79	83	0	No
R1434	F 1	E	Residential	85	83	83	83	78	-0.1	No
R1437	GF	E	Residential	85	73	73	73	73	1.8	No
R1437	F 1	E	Residential	85	78	78	78	78	0.8	No
R1438	GF	N	Residential	85	79	79	79	79	0.9	No
R1438	F 1	N	Residential	85	81	81	81	81	1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1439	GF	S	Residential	85	68	69	68	78	1.8	No
R1439	F 1	S	Residential	85	73	73	73	73	1.6	No
R1439	F 2	S	Residential	85	78	78	78	69	0.9	No
R1441	GF	E	Residential	85	82	82	82	82	0	No
R1447	GF	E	Residential	85	70	68	70	71	0.1	No
R1447	F 1	E	Residential	85	71	71	72	68	0.6	No
R1448	GF	E	Residential	85	79	79	79	79	0.1	No
R1450	GF	E	Residential	85	79	78	79	78	-0.1	No
R1451	GF	E	Residential	85	79	78	79	78	-0.1	No
R1452	GF	E	Residential	85	74	74	74	74	1.4	No
R1453	GF	E	Residential	85	80	80	80	80	0.1	No
R1455	GF	NE	Residential	85	82	81	82	81	-0.2	No
R1456	GF	E	Residential	85	74	74	74	74	1.7	No
R1457	GF	E	Residential	85	65	66	65	69	2.3	No
R1457	F 1	E	Residential	85	69	69	69	66	0	No
R1459	GF	N	Residential	85	78	78	78	78	-0.1	No
R1461	GF	E	Residential	85	72	73	72	73	1.7	No
R1461	F 1	E	Residential	85	77	78	77	78	0.8	No
R1462	GF	E	Residential	85	75	74	75	74	1.4	No
R1463	GF	E	Residential	85	78	78	78	78	0.5	No
R1464	GF	E	Active recreation	n/a	84	83	84	83	0	No
R1464	F 1	E	Active recreation	n/a	84	83	84	83	0	No
R1465	GF	E	Residential	85	81	80	81	80	-0.3	No
R1466	GF	E	Residential	85	67	68	67	72	2	No
R1466	F 1	E	Residential	85	69	69	69	74	1.4	No
R1466	F 2	E	Residential	85	72	72	72	68	0.2	No
R1466	F 3	E	Residential	85	75	74	75	69	2	No
R1469	GF	E	Residential	85	82	82	82	82	0	No
R1471	GF	E	Residential	85	74	74	74	74	1.7	No
R1471	F 1	E	Residential	85	78	77	78	77	0.5	No
R1472	GF	NE	Residential	85	81	81	81	81	0	No
R1473	GF	E	Residential	85	68	68	68	71	1.4	No
R1473	F 1	E	Residential	85	69	69	69	69	1.7	No
R1473	F 2	E	Residential	85	71	71	71	74	0.6	No
R1473	F 3	E	Residential	85	74	74	74	68	2.1	No
R1474	GF	NE	Residential	85	81	80	81	80	-0.1	No
R1475	GF	E	Residential	85	72	73	72	73	1.8	No
R1475	F 1	E	Residential	85	78	78	78	78	0.4	No
R1479	GF	S	Residential	85	81	80	81	80	0	No
R1479	F 1	S	Residential	85	82	81	82	81	0.1	No
R1480	GF	E	Residential	85	68	68	68	69	1.6	No
R1480	F 1	E	Residential	85	69	69	69	71	1.8	No
R1480	F 2	E	Residential	85	70	71	70	68	2.1	No
R1480	F 3	E	Residential	85	75	75	75	75	1.9	No
R1481	GF	E	Residential	85	80	79	80	79	0	No
R1483	GF	E	Residential	85	79	78	79	78	0.5	No
R1484	GF	E	Industrial	n/a	70	71	70	71	1.7	No
R1485	GF	E	Residential	85	77	76	77	76	0.9	No
R1487	GF	E	Residential	85	76	76	76	76	0.3	No
R1490	GF	E	Residential	85	87	87	87	87	0	No
R1490	F 1	E	Residential	85	88	87	88	87	0	No
R1491	GF	E	Residential	85	81	81	81	81	0	No
R1492	GF	E	Residential	85	87	87	87	87	0.1	No
R1494	GF	E	Residential	85	75	75	75	74	1.6	No
R1495	GF	S	Residential	85	81	81	81	81	0	No
R1496	GF	E	Residential	85	81	81	81	81	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1497	GF	E	Residential	85	74	74	74	74	1.8	No
R1499	GF	N	Residential	85	73	73	73	73	0.8	No
R1503	GF	E	Residential	85	83	83	83	83	-0.2	No
R1505	GF	E	Residential	85	84	83	84	83	0.1	No
R1506	GF	E	Residential	85	75	75	75	80	1.6	No
R1506	F 1	E	Residential	85	81	80	81	75	0.6	No
R1508	GF	E	Residential	85	83	83	83	83	0	No
R1509	GF	SE	Residential	85	83	83	83	83	0	No
R1510	GF	N	Residential	85	80	79	80	79	0	No
R1512	GF	E	Residential	85	75	75	75	75	2.2	No
R1512	F 1	E	Residential	85	81	80	81	80	0.6	No
R1513	GF	E	Residential	85	73	74	73	74	1.8	No
R1516	GF	E	Residential	85	75	75	75	80	1.6	No
R1516	F 1	E	Residential	85	81	80	81	75	0.5	No
R1517	GF	S	Residential	85	80	79	80	79	0.1	No
R1517	F 1	S	Residential	85	82	82	82	82	0.2	No
R1519	GF	E	Residential	85	82	82	82	82	-0.2	No
R1522	GF	E	Residential	85	83	83	83	83	-0.1	No
R1524	GF	E	Residential	85	74	74	74	74	2.3	No
R1524	F 1	E	Residential	85	80	80	80	80	0.7	No
R1526	GF	E	Residential	85	81	81	81	81	0.2	No
R1528	GF	E	Residential	85	73	73	73	73	1.5	No
R1528	F 1	E	Residential	85	80	79	80	79	0.8	No
R1529	GF	E	Residential	85	73	74	73	74	1.3	No
R1530	GF	NE	Residential	85	83	83	83	83	-0.1	No
R1532	GF	S	Residential	85	76	76	76	76	1.4	No
R1533	GF	E	Residential	85	74	74	74	74	0.7	No
R1535	GF	E	Residential	85	82	81	82	81	-0.1	No
R1536	GF	E	Residential	85	82	81	82	81	-0.1	No
R1538	GF	E	Residential	85	73	73	73	73	1.1	No
R1540	GF	E	Residential	85	84	84	84	91	0.1	No
R1540	F 1	E	Residential	85	89	88	88	84	0	No
R1540	F 2	E	Residential	85	91	91	91	91	0	No
R1540	F 3	E	Residential	85	91	91	91	88	0.2	No
R1541	GF	E	Residential	85	75	75	75	75	2	No
R1542	GF	E	Residential	85	72	73	73	73	2.2	No
R1542	F 1	E	Residential	85	77	77	77	77	0.8	No
R1543	GF	E	Residential	85	86	86	86	86	0	No
R1544	GF	E	Residential	85	80	80	80	80	0.1	No
R1544	F 1	E	Residential	85	82	81	82	81	0.2	No
R1545	GF	SW	Residential	85	81	81	81	81	0.1	No
R1546	GF	E	Residential	85	75	75	75	80	0.8	No
R1546	F 1	E	Residential	85	80	80	80	75	0.6	No
R1547	GF	E	Residential	85	83	83	83	83	0.2	No
R1548	GF	S	Residential	85	74	74	74	74	0.9	No
R1548	F 1	S	Residential	85	77	78	77	78	0.7	No
R1550	GF	E	Residential	85	76	76	76	76	0.6	No
R1551	GF	E	Residential	85	86	86	86	86	0.1	No
R1552	GF	S	Active recreation	n/a	83	83	83	83	0	No
R1553	GF	S	Residential	85	76	75	76	75	1.1	No
R1554	GF	E	Residential	85	75	75	75	75	0.8	No
R1555	GF	S	Residential	85	75	75	75	80	0.8	No
R1555	F 1	S	Residential	85	80	80	80	75	0.9	No
R1556	GF	N	Residential	85	83	83	83	83	0.1	No
R1557	GF	S	Residential	85	83	83	83	83	0	No
R1559	GF	S	Residential	85	75	75	75	75	0.6	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1560	GF	E	Residential	85	85	85	85	85	0.1	No
R1562	GF	E	Residential	85	73	73	73	73	1.2	No
R1563	GF	E	Residential	85	74	73	74	73	0.8	No
R1563	F 1	E	Residential	85	77	76	77	76	1.6	No
R1563	F 2	E	Residential	85	80	80	80	80	1.2	No
R1563	F 3	E	Residential	85	81	81	81	81	1	No
R1565	GF	E	Residential	85	84	83	84	83	0.1	No
R1566	GF	E	Residential	85	72	72	72	72	1.9	No
R1567	GF	E	Residential	85	83	83	83	83	0.2	No
R1568	GF	E	Residential	85	73	73	73	79	1.6	No
R1568	F 1	E	Residential	85	76	76	76	73	1.7	No
R1568	F 2	E	Residential	85	79	79	79	76	1.2	No
R1569	GF	E	Residential	85	75	76	75	76	1.5	No
R1569	F 1	E	Residential	85	78	78	78	81	1.3	No
R1569	F 2	E	Residential	85	81	81	81	78	1.1	No
R1569	F 3	E	Residential	85	82	82	82	82	1	No
R1570	GF	S	Residential	85	73	73	73	73	1.7	No
R1571	GF	E	Residential	85	78	78	78	83	0.8	No
R1571	F 1	E	Residential	85	83	83	83	78	0.4	No
R1572	GF	S	Residential	85	81	80	81	80	0.1	No
R1574	GF	N	Residential	85	83	83	83	83	-0.1	No
R1575	GF	N	Residential	85	69	69	69	69	1.4	No
R1576	GF	E	Residential	85	80	79	80	79	0.2	No
R1577	GF	E	Residential	85	74	74	74	74	1.2	No
R1577	F 1	E	Residential	85	79	79	79	79	0.5	No
R1578	GF	E	Residential	85	79	79	79	79	0.4	No
R1580	GF	E	Residential	85	80	79	80	79	0.6	No
R1581	GF	E	Residential	85	79	78	79	78	0.8	No
R1582	GF	S	Residential	85	80	80	80	80	0.1	No
R1583	GF	E	Residential	85	74	75	74	75	1.2	No
R1583	F 1	E	Residential	85	80	80	80	80	0.9	No
R1585	GF	S	Residential	85	73	73	73	73	1.4	No
R1587	GF	E	Residential	85	80	79	80	79	0.5	No
R1591	GF	E	Residential	85	85	85	85	85	-0.1	No
R1592	GF	E	Residential	85	72	73	73	73	1.6	No
R1592	F 1	E	Residential	85	75	76	76	76	1.8	No
R1592	F 2	E	Residential	85	79	78	79	78	1.2	No
R1592	F 3	E	Residential	85	80	80	80	80	1	No
R1593	GF	E	Residential	85	75	75	75	82	1.4	No
R1593	F 1	E	Residential	85	77	77	77	77	1.2	No
R1593	F 2	E	Residential	85	80	81	80	80	1.2	No
R1593	F 3	E	Residential	85	82	82	82	75	1.1	No
R1594	GF	NE	Residential	85	91	91	91	91	0	No
R1595	GF	E	Residential	85	93	93	93	93	0	No
R1596	GF	E	Residential	85	78	77	78	77	0.6	No
R1596	F 1	E	Residential	85	83	83	83	83	0.7	No
R1598	GF	E	Residential	85	79	79	79	83	0.6	No
R1598	F 1	E	Residential	85	83	83	83	79	0.7	No
R1599	GF	E	Residential	85	80	79	80	79	0.5	No
R1601	GF	S	Residential	85	81	81	81	81	0.1	No
R1602	GF	E	Residential	85	72	72	72	78	2.1	No
R1602	F 1	E	Residential	85	76	75	76	75	1.8	No
R1602	F 2	E	Residential	85	78	78	78	72	1.5	No
R1602	F 3	E	Residential	85	80	80	80	80	1.1	No
R1603	GF	S	Residential	85	73	73	73	73	1.2	No
R1604	GF	E	Residential	85	77	77	77	77	1.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1605	GF	S	Residential	85	76	77	76	77	1	No
R1605	F 1	S	Residential	85	80	80	80	80	1	No
R1607	GF	E	Residential	85	84	83	84	83	0	No
R1609	GF	E	Residential	85	77	77	77	77	0.5	No
R1611	GF	E	Residential	85	79	79	79	82	0.6	No
R1611	F 1	E	Residential	85	82	82	82	79	0.6	No
R1612	GF	E	Residential	85	92	92	92	92	0	No
R1613	GF	E	Residential	85	77	77	77	77	0.6	No
R1614	GF	E	Residential	85	79	79	79	83	0.3	No
R1614	F 1	E	Residential	85	83	83	83	79	0.5	No
R1615	GF	E	Residential	85	79	79	79	79	0.7	No
R1616	GF	E	Residential	85	94	93	94	93	0	No
R1621	GF	E	Residential	85	77	77	77	77	0.7	No
R1621	F 1	E	Residential	85	83	83	83	83	0.5	No
R1622	GF	E	Residential	85	73	72	73	72	1.1	No
R1622	F 1	E	Residential	85	76	76	76	76	1.6	No
R1622	F 2	E	Residential	85	78	78	78	78	1.3	No
R1623	GF	SE	Residential	85	93	93	93	93	0	No
R1624	GF	E	Residential	85	92	92	92	92	0	No
R1625	GF	E	Residential	85	77	77	77	78	1.4	No
R1626	GF	N	Residential	85	85	85	85	85	0	No
R1627	GF	S	Residential	85	81	80	81	80	0	No
R1627	F 1	S	Residential	85	81	80	81	80	0.1	No
R1628	GF	E	Residential	85	93	93	93	93	0	No
R1631	GF	E	Residential	85	88	88	89	88	0	No
R1633	GF	N	Residential	85	88	87	88	87	0	No
R1634	GF	E	Residential	85	72	71	72	74	1.7	No
R1634	F 1	E	Residential	85	75	74	75	71	1	No
R1637	GF	E	Residential	85	77	77	77	80	0.7	No
R1637	F 1	E	Residential	85	80	80	80	83	0.4	No
R1637	F 2	E	Residential	85	83	83	83	77	0.6	No
R1640	GF	E	Residential	85	77	77	77	83	0.7	No
R1640	F 1	E	Residential	85	81	81	81	77	0.7	No
R1640	F 2	E	Residential	85	83	83	83	81	0.7	No
R1641	GF	E	Educational institute	n/a	91	91	91	92	0	No
R1641	F 1	E	Educational institute	n/a	93	92	93	91	0	No
R1642	GF	E	Residential	85	93	93	93	93	-0.1	No
R1643	GF	E	Residential	85	77	78	77	78	0.7	No
R1644	GF	E	Residential	85	79	79	79	79	0.7	No
R1646	GF	E	Residential	85	72	72	72	72	0.8	No
R1647	GF	E	Residential	85	81	80	81	82	0.6	No
R1647	F 1	E	Residential	85	83	82	83	80	0.7	No
R1649	GF	S	Educational institute	n/a	83	83	83	89	0	No
R1649	F 1	S	Educational institute	n/a	88	88	88	88	0	No
R1649	F 2	S	Educational institute	n/a	89	89	89	83	0	No
R1650	GF	S	Residential	85	78	78	78	80	0.8	No
R1650	F 1	S	Residential	85	80	80	80	78	0.9	No
R1652	GF	E	Residential	85	76	77	76	82	0.7	No
R1652	F 1	E	Residential	85	82	82	82	77	0.6	No
R1653	GF	E	Residential	85	94	94	94	94	0	No
R1655	GF	E	Residential	85	94	94	94	94	0	No
R1656	GF	E	Residential	85	94	94	94	94	0	No
R1657	GF	NE	Residential	85	88	88	88	88	0	No
R1662	GF	E	Residential	85	77	77	77	80	1.3	No
R1662	F 1	E	Residential	85	81	80	81	77	0.8	No
R1663	GF	N	Residential	85	89	89	89	89	0	No

Predicted operational noise results (LAmx)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmx	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1669	GF	E	Residential	85	77	77	77	77	1.3	No
R1671	GF	E	Residential	85	94	94	94	94	0	No
R1672	GF	E	Residential	85	94	94	94	94	0	No
R1673	GF	E	Educational institute	n/a	93	93	93	93	0	No
R1673	F 1	E	Educational institute	n/a	93	93	93	93	0	No
R1675	GF	E	Residential	85	77	76	77	76	1.4	No
R1679	GF	S	Residential	85	81	80	81	80	0.3	No
R1681	GF	E	Residential	85	77	77	77	77	0.5	No
R1682	GF	E	Residential	85	79	79	79	84	0.5	No
R1682	F 1	E	Residential	85	84	84	84	79	0.6	No
R1683	GF	S	Educational institute	n/a	85	85	85	91	-0.1	No
R1683	F 1	S	Educational institute	n/a	91	91	91	85	0	No
R1685	GF	E	Residential	85	79	79	79	79	0.7	No
R1685	F 1	E	Residential	85	84	85	84	85	0.5	No
R1686	GF	E	Residential	85	94	94	94	94	0	No
R1687	GF	E	Residential	85	79	79	79	79	0.5	No
R1691	GF	E	Residential	85	80	80	80	80	0.7	No
R1692	GF	E	Residential	85	79	79	79	79	0.6	No
R1693	GF	E	Residential	85	94	94	94	94	0	No
R1695	GF	E	Residential	85	80	80	80	80	0.5	No
R1695	F 1	E	Residential	85	86	86	86	86	0.6	No
R1698	GF	E	Residential	85	80	80	80	85	0.6	No
R1698	F 1	E	Residential	85	84	85	85	80	0.7	No
R1703	GF	E	Residential	85	82	82	82	82	0.5	No
R1705	GF	E	Educational institute	n/a	95	95	95	95	0	No
R1706	GF	E	Residential	85	82	83	82	83	0.7	No
R1707	GF	E	Residential	85	94	94	94	94	0	No
R1711	GF	E	Residential	85	82	82	82	82	0.7	No
R1711	F 1	E	Residential	85	86	86	86	86	0.8	No
R1712	GF	S	Industrial	n/a	82	81	82	81	0	No
R1712	F 1	S	Industrial	n/a	82	81	82	81	0	No
R1713	GF	E	Residential	85	81	81	81	81	0.6	No
R1713	F 1	E	Residential	85	85	85	85	85	0.6	No
R1714	GF	E	Residential	85	81	81	81	81	0.8	No
R1714	F 1	E	Residential	85	85	85	85	85	0.7	No
R1716	GF	S	Residential	85	78	78	78	78	1	No
R1716	F 1	S	Residential	85	81	81	81	81	1	No
R1717	GF	E	Residential	85	79	78	79	78	0.4	No
R1717	F 1	E	Residential	85	85	85	85	85	0.7	No
R1721	GF	E	Residential	85	79	79	79	79	0.7	No
R1721	F 1	E	Residential	85	84	85	84	85	0.7	No
R1724	GF	W	Residential	85	69	68	69	68	0.8	No
R1724	F 1	W	Residential	85	72	71	72	71	0.4	No
R1728	GF	W	Residential	85	70	69	70	69	1	No
R1728	F 1	W	Residential	85	73	72	73	72	-0.4	No
R1729	GF	E	Residential	85	81	81	81	81	0.7	No
R1732	GF	E	Residential	85	82	82	82	82	0.6	No
R1733	GF	E	Residential	85	70	71	70	71	1.8	No
R1733	F 1	E	Residential	85	75	75	75	75	1.9	No
R1733	F 2	E	Residential	85	81	80	81	80	1.1	No
R1734	GF	E	Residential	85	73	73	73	73	0.9	No
R1734	F 1	E	Residential	85	76	76	76	76	1.2	No
R1734	F 2	E	Residential	85	79	79	79	79	0.9	No
R1734	F 3	E	Residential	85	81	81	81	81	1	No
R1735	GF	S	Residential	85	80	81	80	83	0.6	No
R1735	F 1	S	Residential	85	83	83	83	81	0.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1736	GF	E	Residential	85	76	76	76	77	0.5	No
R1736	F 1	E	Residential	85	77	77	77	76	0.5	No
R1737	GF	E	Residential	85	72	72	72	79	1.3	No
R1737	F 1	E	Residential	85	75	75	75	72	1.5	No
R1737	F 2	E	Residential	85	80	79	80	75	1.3	No
R1739	GF	E	Educational institute	n/a	94	94	94	94	0	No
R1739	F 1	E	Educational institute	n/a	94	94	94	94	0	No
R1740	GF	E	Residential	85	78	78	78	78	0.9	No
R1742	GF	E	Residential	85	74	74	74	81	0.3	No
R1742	F 1	E	Residential	85	76	76	76	74	0.2	No
R1742	F 2	E	Residential	85	79	79	79	76	0.3	No
R1742	F 3	E	Residential	85	81	81	81	79	0.9	No
R1743	GF	E	Residential	85	79	80	79	80	0.6	No
R1750	GF	S	Residential	85	79	79	79	81	0.7	No
R1750	F 1	S	Residential	85	81	81	81	79	0.6	No
R1753	GF	E	Residential	85	69	70	69	74	1.9	No
R1753	F 1	E	Residential	85	73	74	73	70	1.5	No
R1755	GF	E	Residential	85	76	77	76	77	1.1	No
R1756	GF	S	Residential	85	80	80	80	80	0.5	No
R1757	GF	E	Residential	85	73	73	73	73	0.5	No
R1757	F 1	E	Residential	85	75	75	75	77	0.4	No
R1757	F 2	E	Residential	85	77	77	77	75	0.7	No
R1757	F 3	E	Residential	85	80	80	80	80	1.5	No
R1758	GF	S	Residential	85	79	79	79	83	0.8	No
R1758	F 1	S	Residential	85	82	83	82	79	0.7	No
R1759	GF	E	Residential	85	70	71	70	71	2	No
R1759	F 1	E	Residential	85	75	75	75	75	1.8	No
R1760	GF	E	Residential	85	77	78	77	77	1	No
R1762	GF	E	Residential	85	83	83	83	83	0.3	No
R1764	GF	E	Residential	85	84	84	84	88	0.4	No
R1764	F 1	E	Residential	85	88	88	88	84	0.6	No
R1766	GF	E	Residential	85	78	78	78	78	1.1	No
R1767	GF	W	Industrial	n/a	99	112	99	112	13.2	No
R1767	F 1	W	Industrial	n/a	99	113	99	113	14	No
R1769	GF	S	Residential	85	78	78	78	78	0.2	No
R1774	GF	E	Residential	85	78	79	78	79	1.1	No
R1779	GF	W	Industrial	n/a	102	114	102	116	12.3	No
R1779	F 1	W	Industrial	n/a	102	116	102	114	13.8	No
R1784	GF	N	Residential	85	70	71	70	71	1.1	No
R1784	F 1	N	Residential	85	73	74	73	74	1.7	No
R1789	GF	E	Commercial	n/a	91	90	91	91	0.1	No
R1789	F 1	E	Commercial	n/a	91	91	91	90	0.3	No
R1789	F 2	E	Commercial	n/a	91	91	91	91	0.3	No
R1790	GF	E	Residential	85	82	82	82	82	0.4	No
R1790	F 1	E	Residential	85	87	87	87	87	0.5	No
R1794	GF	N	Residential	85	80	80	80	80	0.6	No
R1795	GF	E	Residential	85	82	82	82	82	0.4	No
R1795	F 1	E	Residential	85	87	88	87	88	0.6	No
R1798	GF	S	Residential	85	77	78	77	81	0.9	No
R1798	F 1	S	Residential	85	80	81	80	78	0.9	No
R1801	GF	N	Residential	85	79	79	79	79	0.5	No
R1803	GF	E	Residential	85	82	82	82	82	0.5	No
R1808	GF	E	Residential	85	83	83	83	83	0.6	No
R1808	F 1	E	Residential	85	87	88	87	88	0.7	No
R1809	GF	S	Residential	85	80	81	80	81	0.8	No
R1810	GF	E	Residential	85	84	84	84	84	0.7	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1810	F 1	E	Residential	85	88	88	88	88	0.6	No
R1813	GF	E	Residential	85	82	82	82	82	0.5	No
R1814	GF	W	Industrial	n/a	97	98	97	98	2.2	No
R1814	F 1	W	Industrial	n/a	97	98	97	98	2.5	No
R1815	GF	E	Residential	85	71	71	71	71	2.2	No
R1815	F 1	E	Residential	85	76	76	76	76	1.9	No
R1818	GF	E	Residential	85	71	72	71	77	1.9	No
R1818	F 1	E	Residential	85	76	77	76	72	2.4	No
R1820	GF	S	Residential	85	76	76	76	76	0.7	No
R1821	GF	E	Residential	85	85	85	85	85	0.5	No
R1821	F 1	E	Residential	85	88	88	88	88	0.7	No
R1824	GF	E	Residential	85	85	85	85	85	0.6	No
R1825	GF	S	Residential	85	79	79	79	79	0.9	No
R1828	GF	E	Residential	85	84	85	84	85	0.6	No
R1830	GF	NW	Industrial	n/a	97	100	97	100	3.9	No
R1830	F 1	NW	Industrial	n/a	97	100	97	100	4.2	No
R1830	F 2	NW	Industrial	n/a	97	100	97	100	4	No
R1830	F 3	NW	Industrial	n/a	96	99	96	99	3.4	No
R1831	GF	N	Residential	85	72	72	72	72	0.1	No
R1831	F 1	N	Residential	85	74	75	74	75	1.5	No
R1836	GF	E	Residential	85	85	85	85	85	0.7	No
R1839	GF	E	Residential	85	84	85	84	85	0.7	No
R1840	GF	E	Residential	85	85	85	85	88	0.6	No
R1840	F 1	E	Residential	85	87	88	87	85	0.8	No
R1841	GF	E	Residential	85	85	85	85	85	0.7	No
R1843	GF	E	Residential	85	85	85	85	85	0.8	No
R1843	F 1	E	Residential	85	87	87	87	87	0.7	No
R1845	GF	E	Residential	85	83	84	83	88	0.8	No
R1845	F 1	E	Residential	85	86	87	86	87	0.8	No
R1845	F 2	E	Residential	85	87	88	87	84	0.8	No
R1846	GF	S	Residential	85	77	78	77	78	1	No
R1846	F 1	S	Residential	85	80	80	80	80	1.2	No
R1847	GF	E	Residential	85	83	83	83	83	0.9	No
R1849	GF	E	Residential	85	80	81	80	83	0.8	No
R1849	F 1	E	Residential	85	82	83	82	81	1	No
R1850	GF	E	Industrial	n/a	74	75	74	78	1.8	No
R1850	F 1	E	Industrial	n/a	77	77	77	76	2	No
R1852	GF	E	Residential	85	81	82	81	82	0.9	No
R1854	GF	E	Residential	85	79	79	79	82	0.3	No
R1854	F 1	E	Residential	85	81	82	81	84	0.9	No
R1854	F 2	E	Residential	85	84	84	84	85	1.1	No
R1854	F 3	E	Residential	85	85	85	85	79	1	No
R1857	GF	E	Residential	85	82	82	82	82	0.6	No
R1858	GF	E	Residential	85	79	79	79	83	0.9	No
R1858	F 1	E	Residential	85	82	83	82	79	1	No
R1861	GF	W	Industrial	n/a	99	121	99	121	21.9	No
R1863	GF	E	Residential	85	82	82	81	84	0.7	No
R1863	F 1	E	Residential	85	84	84	84	86	0.6	No
R1863	F 2	E	Residential	85	86	86	86	81	0.9	No
R1864	GF	E	Residential	85	79	79	79	79	1	No
R1864	F 1	E	Residential	85	81	81	81	81	1	No
R1864	F 2	E	Residential	85	81	81	81	81	1.1	No
R1866	GF	E	Residential	85	81	81	81	81	0.8	No
R1866	F 1	E	Residential	85	84	85	84	85	0.7	No
R1874	GF	E	Residential	85	80	80	80	84	0.9	No
R1874	F 1	E	Residential	85	83	84	83	80	1.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R1875	GF	E	Residential	85	80	79	80	82	0.9	No
R1875	F 1	E	Residential	85	82	82	82	79	1.1	No
R1875	F 2	E	Residential	85	85	85	85	85	1.2	No
R1876	GF	E	Residential	85	80	81	80	80	0.9	No
R1879	GF	E	Residential	85	79	79	79	82	0.8	No
R1879	F 1	E	Residential	85	82	82	82	85	1.1	No
R1879	F 2	E	Residential	85	84	85	84	79	1.1	No
R1885	GF	E	Residential	85	79	79	79	82	1.4	No
R1885	F 1	E	Residential	85	82	82	82	79	1.2	No
R1889	GF	E	Residential	85	81	82	81	82	0.9	No
R1889	F 1	E	Residential	85	84	84	84	84	0.8	No
R1892	GF	NW	Industrial	n/a	96	100	96	100	4.9	No
R1893	GF	E	Residential	85	81	81	81	81	0.4	No
R1899	GF	E	Residential	85	83	83	83	83	0.6	No
R1903	GF	E	Residential	85	84	84	84	84	0.6	No
R1906	GF	E	Industrial	n/a	94	95	94	95	0.3	No
R1907	GF	E	Residential	85	84	85	84	85	0.6	No
R1910	GF	E	Industrial	n/a	79	80	79	80	1.9	No
R1913	GF	E	Residential	85	85	85	85	85	0.7	No
R1916	GF	E	Residential	85	80	80	80	80	0.7	No
R1916	F 1	E	Residential	85	82	82	82	82	0.9	No
R1918	GF	E	Residential	85	86	86	86	86	0.6	No
R1920	GF	E	Residential	85	85	85	85	85	0.7	No
R1923	GF	W	Industrial	n/a	97	102	97	102	6.2	No
R1926	GF	E	Residential	85	88	89	88	89	0.6	No
R1929	GF	E	Residential	85	88	89	88	89	0.7	No
R1934	GF	E	Residential	85	86	86	86	86	0.6	No
R1942	GF	S	Residential	85	85	86	85	86	0.5	No
R1945	GF	N	Residential	85	81	81	81	81	0.5	No
R1947	GF	NW	Industrial	n/a	92	92	92	92	0.7	No
R1951	GF	W	Industrial	n/a	86	86	86	86	0.6	No
R1953	GF	E	Residential	85	85	86	85	89	0.6	No
R1953	F 1	E	Residential	85	88	89	88	86	0.7	No
R1959	GF	N	Residential	85	78	79	78	79	0.6	No
R1959	F 1	N	Residential	85	83	83	83	83	0.3	No
R1960	GF	E	Residential	85	85	86	85	86	0.7	No
R1963	GF	S	Residential	85	85	86	85	86	0.6	No
R1967	GF	E	Residential	85	86	87	86	87	0.6	No
R1967	F 1	E	Residential	85	88	89	88	89	0.8	No
R1967	F 2	E	Residential	85	89	90	89	90	0.8	No
R1974	GF	E	Residential	85	82	83	82	83	0.4	No
R1980	GF	E	Residential	85	83	83	83	83	0.6	No
R1980	F 1	E	Residential	85	86	86	86	86	0.7	No
R1982	GF	E	Residential	85	82	83	82	83	0.9	No
R1983	GF	E	Residential	85	81	81	81	81	0.7	No
R1983	F 1	E	Residential	85	85	85	85	85	0.9	No
R1987	GF	N	Industrial	n/a	86	87	86	88	0.7	No
R1987	F 1	N	Industrial	n/a	88	88	88	87	0.7	No
R1995	GF	E	Residential	85	81	82	81	82	1	No
R1995	F 1	E	Residential	85	84	84	84	84	1	No
R1996	GF	S	Residential	85	84	85	84	85	0.8	No
R2003	GF	E	Residential	85	82	83	82	83	1	No
R2003	F 1	E	Residential	85	84	85	84	85	1	No
R2006	GF	E	Residential	85	83	83	83	83	0.6	No
R2009	GF	E	Residential	85	82	82	82	82	0.6	No
R2014	GF	E	Residential	85	81	81	81	81	0.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2015	GF	E	Residential	85	83	84	83	84	0.7	No
R2015	F 1	E	Residential	85	87	87	87	87	0.6	No
R2016	GF	E	Residential	85	89	89	89	89	0.6	No
R2024	GF	E	Residential	85	86	87	86	87	0.5	No
R2024	F 1	E	Residential	85	87	88	87	89	0.6	No
R2024	F 2	E	Residential	85	88	89	88	88	0.7	No
R2024	F 3	E	Residential	85	89	89	89	89	0.8	No
R2026	GF	E	Residential	85	87	87	87	89	0.7	No
R2026	F 1	E	Residential	85	87	88	87	88	0.8	No
R2026	F 2	E	Residential	85	89	89	89	87	0.9	No
R2028	GF	E	Industrial	n/a	94	94	94	94	0.4	No
R2031	GF	E	Residential	85	83	84	83	86	1	No
R2031	F 1	E	Residential	85	85	85	85	84	1.2	No
R2031	F 2	E	Residential	85	86	86	86	87	1.2	No
R2034	GF	S	Residential	85	86	86	86	88	0.5	No
R2034	F 1	S	Residential	85	88	88	88	86	0.6	No
R2038	GF	NW	Industrial	n/a	83	82	83	82	0.3	No
R2040	GF	E	Residential	85	85	85	85	85	0.5	No
R2051	GF	E	Residential	85	87	87	87	87	0.3	No
R2055	GF	E	Residential	85	94	95	94	95	0.5	No
R2055	F 1	E	Residential	85	94	95	94	95	0.6	No
R2055	F 2	E	Residential	85	94	95	94	95	0.5	No
R2061	GF	E	Residential	85	94	94	94	94	0.6	No
R2064	GF	E	Residential	85	85	86	85	86	0.5	No
R2070	GF	E	Residential	85	94	94	94	94	0.5	No
R2070	F 1	E	Residential	85	94	94	94	94	0.6	No
R2072	GF	S	Residential	85	85	85	85	85	0.4	No
R2073	GF	E	Residential	85	86	87	86	87	0.6	No
R2075	GF	NW	Industrial	n/a	82	81	82	81	0.2	No
R2081	GF	E	Residential	85	94	94	94	95	0.5	No
R2081	F 1	E	Residential	85	94	95	94	94	0.6	No
R2083	GF	E	Residential	85	94	95	94	95	0.5	No
R2085	GF	NW	Industrial	n/a	86	86	86	87	0.4	No
R2087	GF	E	Residential	85	94	94	94	94	0.6	No
R2087	F 1	E	Residential	85	94	94	94	94	0.6	No
R2087	F 2	E	Residential	85	94	94	94	94	0.7	No
R2087	F 3	E	Residential	85	94	94	94	94	0.8	No
R2088	GF	E	Residential	85	94	94	94	94	0.6	No
R2088	F 1	E	Residential	85	94	94	94	94	0.6	No
R2088	F 2	E	Residential	85	94	94	94	94	0.6	No
R2088	F 3	E	Residential	85	94	94	94	94	0.8	No
R2090	GF	W	Industrial	n/a	79	79	79	79	0	No
R2092	GF	E	Residential	85	95	95	95	95	0.4	No
R2093	GF	E	Residential	85	94	95	94	95	0.5	No
R2102	GF	N	Industrial	n/a	78	78	78	78	0.1	No
R2106	GF	NW	Industrial	n/a	87	87	87	88	0.4	No
R2106	F 1	NW	Industrial	n/a	87	87	87	87	0.4	No
R2106	F 2	NW	Industrial	n/a	87	88	87	87	0.4	No
R2109	GF	W	Residential	85	95	95	95	95	0.3	No
R2109	F 1	W	Residential	85	95	95	95	95	0.3	No
R2110	GF	E	Residential	85	94	94	94	94	0.5	No
R2112	GF	E	Residential	85	92	93	92	93	0.6	No
R2114	GF	E	Residential	85	94	94	94	94	0.6	No
R2118	GF	E	Residential	85	94	94	94	94	0.6	No
R2118	F 1	E	Residential	85	94	94	94	94	0.6	No
R2121	GF	NW	Industrial	n/a	81	80	81	80	-0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2122	GF	W	Residential	85	94	88	94	88	-5.8	No
R2122	F 1	W	Residential	85	94	89	94	89	-4.8	No
R2125	GF	E	Commercial	n/a	93	94	93	94	0.7	No
R2125	F 1	E	Commercial	n/a	94	94	94	94	0.6	No
R2128	GF	W	Residential	85	94	88	94	88	-6.4	No
R2128	F 1	W	Residential	85	94	88	94	88	-6.1	No
R2134	GF	SW	Industrial	n/a	82	81	82	81	0	No
R2135	GF	W	Residential	85	94	87	94	87	-7	No
R2137	GF	SW	Industrial	n/a	77	76	77	80	0.1	No
R2137	F 1	SW	Industrial	n/a	80	80	80	76	0.1	No
R2138	GF	W	Residential	85	94	86	94	86	-6.7	No
R2140	GF	W	Residential	85	94	87	94	87	-6	No
R2140	F 1	W	Residential	85	94	89	94	89	-4.3	No
R2142	GF	W	Residential	85	90	89	90	89	-1.1	No
R2142	F 1	W	Residential	85	91	89	91	89	-1.2	No
R2146	GF	W	Residential	85	94	86	94	86	-8.1	No
R2146	F 1	W	Residential	85	94	87	94	87	-6	No
R2149	GF	W	Residential	85	95	86	95	86	-8	No
R2149	F 1	W	Residential	85	94	88	94	88	-5.1	No
R2152	GF	W	Residential	85	94	85	94	92	-8.1	No
R2152	F 1	W	Residential	85	94	88	94	85	-5.3	No
R2152	F 2	W	Residential	85	94	92	94	88	-1.9	No
R2157	GF	SW	Industrial	n/a	77	77	77	77	0.2	No
R2157	F 1	SW	Industrial	n/a	78	77	78	77	0.2	No
R2158	GF	W	Residential	85	95	87	95	87	-7.3	No
R2159	GF	W	Residential	85	94	85	94	85	-8.2	No
R2161	GF	W	Residential	85	94	85	94	85	-7.9	No
R2166	GF	W	Residential	85	94	86	94	86	-7.2	No
R2172	GF	S	Residential	85	88	89	88	89	0.6	No
R2175	GF	S	Residential	85	86	83	86	83	-2.8	No
R2176	GF	W	Residential	85	94	85	94	85	-8.2	No
R2178	GF	W	Residential	85	94	86	94	86	-7.3	No
R2181	GF	W	Residential	85	94	86	94	86	-7.2	No
R2181	F 1	W	Residential	85	94	88	94	88	-4.9	No
R2183	GF	W	Industrial	n/a	76	76	76	76	0.1	No
R2184	GF	W	Residential	85	94	86	94	86	-7.1	No
R2184	F 1	W	Residential	85	94	88	94	88	-4.8	No
R2185	GF	W	Residential	85	89	90	89	90	0.5	No
R2189	GF	NW	Industrial	n/a	77	77	77	77	0	No
R2192	GF	W	Residential	85	94	85	94	85	-7.3	No
R2194	GF	W	Residential	85	94	85	94	87	-7.8	No
R2194	F 1	W	Residential	85	94	87	94	85	-6.4	No
R2195	GF	NW	Industrial	n/a	85	85	85	85	0.3	No
R2196	GF	W	Residential	85	83	82	83	82	-1.2	No
R2198	GF	W	Residential	85	84	82	84	82	-2.6	No
R2200	GF	W	Residential	85	84	81	84	81	-2.5	No
R2201	GF	W	Residential	85	94	86	94	86	-7.4	No
R2201	F 1	W	Residential	85	94	87	94	87	-5.7	No
R2203	GF	S	Residential	85	87	88	87	88	0.6	No
R2205	GF	S	Residential	85	87	85	87	85	-1.7	No
R2208	GF	W	Residential	85	94	86	94	86	-7.1	No
R2208	F 1	W	Residential	85	94	88	94	88	-5.7	No
R2212	GF	W	Residential	85	94	86	94	86	-7.1	No
R2216	GF	NW	Industrial	n/a	76	75	76	81	0.3	No
R2216	F 1	NW	Industrial	n/a	81	81	81	75	0	No
R2218	GF	W	Residential	85	88	85	88	85	-2.3	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2220	GF	W	Residential	85	95	89	95	90	-4.8	No
R2220	F 1	W	Residential	85	95	90	95	89	-3.3	No
R2222	GF	W	Residential	85	84	81	84	81	-2.4	No
R2223	GF	W	Residential	85	88	88	88	88	0.6	No
R2225	GF	S	Residential	85	83	80	83	80	-2.7	No
R2226	GF	W	Residential	85	83	82	83	82	-1	No
R2229	GF	W	Residential	85	94	87	94	88	-6.4	No
R2229	F 1	W	Residential	85	94	88	94	87	-5	No
R2231	GF	W	Residential	85	87	87	87	87	0.6	No
R2231	F 1	W	Residential	85	89	87	89	87	-1.2	No
R2231	F 2	W	Residential	85	89	87	89	87	-1.7	No
R2235	GF	SW	Industrial	n/a	75	75	75	78	1.7	No
R2235	F 1	SW	Industrial	n/a	78	78	78	75	0.8	No
R2236	GF	S	Residential	85	86	79	86	79	-6.8	No
R2236	F 1	S	Residential	85	87	82	87	82	-4.9	No
R2237	GF	W	Residential	85	94	86	94	86	-7.5	No
R2237	F 1	W	Residential	85	94	88	94	88	-6.1	No
R2238	GF	W	Residential	85	85	81	85	81	-3.2	No
R2239	GF	W	Residential	85	94	87	94	87	-6.6	No
R2241	GF	W	Residential	85	87	84	87	84	-2.7	No
R2243	GF	W	Residential	85	87	83	87	85	-3.4	No
R2243	F 1	W	Residential	85	88	85	88	83	-2.8	No
R2246	GF	W	Residential	85	86	81	86	81	-4.9	No
R2247	GF	W	Residential	85	94	86	94	86	-6.9	No
R2247	F 1	W	Residential	85	94	89	94	89	-5	No
R2249	GF	W	Residential	85	86	82	86	84	-4.1	No
R2249	F 1	W	Residential	85	88	84	88	82	-3.8	No
R2253	GF	W	Residential	85	82	81	82	81	-0.5	No
R2254	GF	W	Residential	85	95	85	95	85	-9.1	No
R2255	GF	W	Residential	85	94	85	94	85	-7.9	No
R2256	GF	W	Residential	85	85	81	85	85	-3.3	No
R2256	F 1	W	Residential	85	88	85	88	81	-3.2	No
R2258	GF	W	Residential	85	84	81	84	81	-2.9	No
R2261	GF	W	Residential	85	86	81	86	81	-4.1	No
R2262	GF	W	Residential	85	95	85	95	85	-9.5	No
R2263	GF	NW	Industrial	n/a	72	71	72	75	0.2	No
R2263	F 1	NW	Industrial	n/a	76	75	76	71	-0.1	No
R2264	GF	W	Residential	85	83	80	83	83	-1.8	No
R2264	F 1	W	Residential	85	88	83	88	87	-4.3	No
R2264	F 2	W	Residential	85	90	87	90	81	-3.6	No
R2267	GF	W	Residential	85	83	80	83	80	-2.1	No
R2267	F 1	W	Residential	85	87	83	87	83	-4.2	No
R2271	GF	W	Residential	85	94	84	94	84	-9.9	No
R2272	GF	W	Residential	85	84	81	84	81	-2.8	No
R2274	GF	W	Residential	85	85	80	85	80	-4	No
R2277	GF	W	Residential	85	94	86	94	87	-8.3	No
R2277	F 1	W	Residential	85	94	87	94	86	-6.9	No
R2279	GF	W	Residential	85	83	80	83	80	-2.7	No
R2280	GF	W	Residential	85	83	80	83	80	-2.4	No
R2281	GF	N	Residential	85	82	80	82	80	-2.3	No
R2283	GF	W	Residential	85	83	80	83	83	-1.2	No
R2283	F 1	W	Residential	85	86	83	86	80	-2.8	No
R2284	GF	S	Residential	85	87	82	87	82	-4.7	No
R2285	GF	W	Residential	85	82	80	82	82	-1	No
R2285	F 1	W	Residential	85	86	82	86	80	-3.3	No
R2286	GF	NW	Industrial	n/a	76	75	76	79	1.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2286	F 1	NW	Industrial	n/a	80	79	80	75	1	No
R2288	GF	S	Residential	85	85	82	85	82	-3.4	No
R2289	GF	W	Residential	85	94	86	94	86	-7.8	No
R2289	F 1	W	Residential	85	94	87	94	87	-7	No
R2289	F 2	W	Residential	85	94	91	94	91	-3.4	No
R2289	F 3	W	Residential	85	94	94	94	94	-0.3	No
R2289	F 4	W	Residential	85	94	94	94	94	0	No
R2290	GF	NW	Industrial	n/a	73	72	73	72	1.8	No
R2291	GF	W	Residential	85	83	80	83	80	-2.7	No
R2291	F 1	W	Residential	85	86	82	86	82	-3.1	No
R2294	GF	W	Residential	85	94	86	94	86	-8	No
R2294	F 1	W	Residential	85	94	87	94	87	-6.3	No
R2295	GF	S	Residential	85	85	82	85	82	-3.4	No
R2296	GF	S	Residential	85	78	77	78	77	-1.5	No
R2296	F 1	S	Residential	85	84	79	84	79	-4.1	No
R2297	GF	W	Residential	85	85	79	85	81	-5.6	No
R2297	F 1	W	Residential	85	86	81	86	84	-4.2	No
R2297	F 2	W	Residential	85	88	84	88	79	-3.3	No
R2299	GF	W	Residential	85	84	83	84	82	-1	No
R2299	F 1	W	Residential	85	84	82	84	83	-0.8	No
R2300	GF	W	Residential	85	83	78	83	81	-4.2	No
R2300	F 1	W	Residential	85	85	81	85	78	-4.2	No
R2301	GF	NE	Industrial	n/a	75	75	75	75	0.1	No
R2304	GF	W	Residential	85	85	80	85	80	-5	No
R2305	GF	S	Residential	85	85	81	85	81	-4.1	No
R2306	GF	S	Residential	85	85	81	85	81	-4.2	No
R2307	GF	S	Residential	85	86	80	86	80	-5.7	No
R2307	F 1	S	Residential	85	87	83	87	85	-4.2	No
R2307	F 2	S	Residential	85	88	85	88	83	-3.2	No
R2307	F 3	S	Residential	85	88	87	88	87	-1.3	No
R2308	GF	W	Residential	85	84	81	84	81	-2.5	No
R2311	GF	W	Residential	85	92	86	92	88	-5.8	No
R2311	F 1	W	Residential	85	92	88	92	86	-4.3	No
R2312	GF	S	Residential	85	83	83	83	83	0.4	No
R2312	F 1	S	Residential	85	84	84	84	84	0.4	No
R2313	GF	N	Residential	85	84	81	84	81	-3.2	No
R2316	GF	W	Residential	85	84	81	84	81	-2	No
R2317	GF	W	Residential	85	84	81	84	81	-1.7	No
R2317	F 1	W	Residential	85	86	83	86	83	-2.5	No
R2319	GF	W	Residential	85	93	91	93	91	-1.9	No
R2319	F 1	W	Residential	85	93	92	93	92	-1.7	No
R2319	F 2	W	Residential	85	93	93	93	93	-0.8	No
R2321	GF	W	Residential	85	83	81	83	81	-1.5	No
R2322	GF	W	Residential	85	83	80	83	80	-2.5	No
R2324	GF	SW	Active recreation	n/a	73	75	73	75	2.9	No
R2325	GF	W	Residential	85	83	78	83	78	-4.5	No
R2325	F 1	W	Residential	85	85	81	85	81	-3.6	No
R2326	GF	W	Industrial	n/a	71	70	71	75	0.7	No
R2326	F 1	W	Industrial	n/a	76	75	76	70	0.6	No
R2327	GF	W	Residential	85	84	81	84	81	-2.7	No
R2328	GF	W	Residential	85	82	80	82	80	-2.2	No
R2328	F 1	W	Residential	85	86	82	86	82	-2.9	No
R2330	GF	W	Residential	85	83	79	83	82	-4.7	No
R2330	F 1	W	Residential	85	85	82	85	79	-3.6	No
R2331	GF	W	Residential	85	83	79	83	82	-2.7	No
R2331	F 1	W	Residential	85	86	82	86	79	-2.8	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2332	GF	W	Residential	85	86	82	86	82	-3.9	No
R2333	GF	W	Residential	85	83	80	83	80	-2.7	No
R2335	GF	W	Residential	85	81	79	81	81	-1.9	No
R2335	F 1	W	Residential	85	85	81	85	79	-3.4	No
R2336	GF	W	Residential	85	82	80	82	79	-2.1	No
R2337	GF	S	Residential	85	84	79	84	84	-5.2	No
R2337	F 1	S	Residential	85	87	82	87	82	-4.2	No
R2337	F 2	S	Residential	85	88	84	88	79	-3.5	No
R2337	F 3	S	Residential	85	88	85	88	85	-2.6	No
R2338	GF	S	Residential	85	83	80	83	80	-3.5	No
R2339	GF	W	Residential	85	85	81	85	81	-3.3	No
R2339	F 1	W	Residential	85	87	83	87	83	-4	No
R2341	GF	W	Residential	85	81	78	81	78	-2.2	No
R2342	GF	N	Residential	85	86	81	86	81	-4.7	No
R2343	GF	W	Residential	85	79	78	79	80	-1.1	No
R2343	F 1	W	Residential	85	84	80	84	78	-3.4	No
R2348	GF	W	Residential	85	84	81	84	81	-3	No
R2349	GF	W	Residential	85	79	77	79	77	-1.6	No
R2350	GF	W	Residential	85	86	81	86	81	-4.1	No
R2350	F 1	W	Residential	85	88	83	88	83	-4.4	No
R2353	GF	W	Residential	85	84	81	84	81	-3.7	No
R2353	F 1	W	Residential	85	87	83	87	83	-4.4	No
R2354	GF	W	Residential	85	79	77	79	77	-1.4	No
R2356	GF	W	Residential	85	79	77	79	77	-1	No
R2356	F 1	W	Residential	85	82	79	82	79	-2.3	No
R2358	GF	S	Residential	85	79	76	79	76	-2.3	No
R2359	GF	W	Residential	85	78	77	78	77	0.6	No
R2360	GF	W	Residential	85	78	77	78	77	0.4	No
R2361	GF	S	Residential	85	77	76	77	76	-0.2	No
R2362	GF	W	Residential	85	78	77	78	77	0.2	No
R2363	GF	W	Residential	85	83	80	83	80	-3.5	No
R2364	GF	S	Residential	85	75	75	75	75	0.1	No
R2366	GF	NW	Industrial	n/a	77	77	77	77	0.6	No
R2371	GF	W	Residential	85	79	77	79	77	-2	No
R2372	GF	W	Residential	85	82	79	82	79	-3.4	No
R2375	GF	W	Residential	85	82	78	82	78	-4.1	No
R2378	GF	S	Residential	85	85	78	85	78	-7.7	No
R2378	F 1	S	Residential	85	86	79	86	80	-6.6	No
R2378	F 2	S	Residential	85	86	80	86	79	-6.1	No
R2380	GF	S	Residential	85	79	76	79	76	-2.8	No
R2381	GF	N	Residential	85	78	75	78	75	-2.8	No
R2381	F 1	N	Residential	85	80	77	80	77	-3.2	No
R2382	GF	W	Residential	85	82	78	82	82	-4.1	No
R2382	F 1	W	Residential	85	84	80	84	80	-3.9	No
R2382	F 2	W	Residential	85	86	82	86	78	-3.9	No
R2383	GF	W	Residential	85	78	77	78	77	-1	No
R2383	F 1	W	Residential	85	82	79	82	79	-2.3	No
R2384	GF	N	Residential	85	76	75	76	75	-0.2	No
R2385	GF	W	Residential	85	79	77	79	77	-1.9	No
R2387	GF	W	Residential	85	78	77	78	77	-0.8	No
R2387	F 1	W	Residential	85	83	79	83	79	-3	No
R2389	GF	W	Residential	85	80	80	80	80	0.9	No
R2389	F 1	W	Residential	85	83	81	83	81	-0.2	No
R2390	GF	W	Residential	85	78	77	78	77	-0.8	No
R2392	GF	N	Residential	85	75	73	75	73	-1.1	No
R2392	F 1	N	Residential	85	79	75	79	75	-2.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2392	F 2	N	Residential	85	81	77	81	77	-3.8	No
R2393	GF	W	Residential	85	78	76	78	77	-1.4	No
R2393	F 1	W	Residential	85	82	77	82	76	-3.5	No
R2394	GF	S	Residential	85	84	76	84	79	-7.4	No
R2394	F 1	S	Residential	85	84	78	84	76	-6.2	No
R2394	F 2	S	Residential	85	84	79	84	80	-5.3	No
R2394	F 3	S	Residential	85	85	80	85	78	-4.9	No
R2395	GF	W	Residential	85	79	77	79	77	-1.6	No
R2396	GF	SW	Active recreation	n/a	72	74	72	74	2.8	No
R2398	GF	W	Residential	85	77	76	77	76	1.2	No
R2398	F 1	W	Residential	85	82	80	82	80	-1.2	No
R2399	GF	N	Residential	85	77	75	77	75	-0.7	No
R2400	GF	NW	Industrial	n/a	76	75	76	75	0.6	No
R2402	GF	S	Residential	85	79	76	79	76	-2.2	No
R2402	F 1	S	Residential	85	82	79	82	79	-3	No
R2404	GF	W	Residential	85	79	77	79	79	-1.9	No
R2404	F 1	W	Residential	85	82	79	82	77	-2.8	No
R2405	GF	W	Residential	85	80	78	80	78	-2	No
R2405	F 1	W	Residential	85	83	79	83	79	-3.5	No
R2406	GF	N	Residential	85	76	74	76	74	-1.5	No
R2407	GF	W	Residential	85	78	77	78	77	-0.2	No
R2407	F 1	W	Residential	85	83	79	83	80	-2.4	No
R2409	GF	W	Residential	85	81	78	81	78	-2.8	No
R2411	GF	W	Residential	85	81	78	81	80	-2.4	No
R2411	F 1	W	Residential	85	84	80	84	81	-3.9	No
R2411	F 2	W	Residential	85	85	81	85	78	-3.6	No
R2412	GF	W	Residential	85	78	77	78	77	-0.4	No
R2413	GF	W	Residential	85	79	76	79	76	-1.8	No
R2414	GF	W	Residential	85	81	77	81	77	-3.1	No
R2415	GF	NW	Industrial	n/a	79	78	79	78	0.2	No
R2416	GF	W	Residential	85	81	78	81	81	-2.9	No
R2416	F 1	W	Residential	85	84	80	84	78	-3.7	No
R2416	F 2	W	Residential	85	85	81	85	80	-3.7	No
R2417	GF	N	Residential	85	74	75	74	75	1.9	No
R2417	F 1	N	Residential	85	76	77	76	77	2	No
R2417	F 2	N	Residential	85	78	80	78	80	2.5	No
R2418	GF	N	Residential	85	77	74	77	74	-2.7	No
R2418	F 1	N	Residential	85	81	77	81	77	-2.8	No
R2421	GF	W	Residential	85	79	76	79	79	-2.6	No
R2421	F 1	W	Residential	85	82	79	82	76	-3.5	No
R2422	GF	N	Residential	85	81	75	81	75	-6.1	No
R2423	GF	W	Active recreation	n/a	83	83	83	83	0.2	No
R2425	GF	W	Residential	85	81	78	81	79	-2.8	No
R2425	F 1	W	Residential	85	83	79	83	78	-4	No
R2426	GF	W	Residential	85	77	76	77	76	-0.3	No
R2427	GF	N	Residential	85	76	74	76	74	-1.3	No
R2428	GF	W	Residential	85	77	75	77	75	-2	No
R2429	GF	S	Residential	85	77	75	77	78	-1.7	No
R2429	F 1	S	Residential	85	80	78	80	75	-2	No
R2430	GF	W	Residential	85	79	76	79	78	-2.4	No
R2430	F 1	W	Residential	85	82	78	82	76	-3.5	No
R2432	GF	W	Residential	85	78	76	78	76	-2.1	No
R2436	GF	N	Residential	85	73	74	73	74	0.8	No
R2436	F 1	N	Residential	85	75	76	75	76	0.8	No
R2437	GF	S	Residential	85	79	73	79	73	-5.7	No
R2437	F 1	S	Residential	85	80	75	80	75	-4.4	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2440	GF	S	Residential	85	75	75	75	77	0	No
R2440	F 1	S	Residential	85	80	77	80	75	-2.4	No
R2442	GF	S	Residential	85	73	73	73	73	0.6	No
R2443	GF	S	Residential	85	76	74	76	74	-1.6	No
R2444	GF	N	Residential	85	77	74	77	77	-2.8	No
R2444	F 1	N	Residential	85	81	77	81	74	-3.1	No
R2447	GF	W	Residential	85	77	75	77	75	-1	No
R2448	GF	S	Residential	85	76	73	76	73	-2.8	No
R2448	F 1	S	Residential	85	79	76	79	76	-2.1	No
R2449	GF	N	Residential	85	76	73	76	74	-1.9	No
R2450	GF	W	Residential	85	77	76	77	76	-0.4	No
R2451	GF	W	Residential	85	75	76	75	81	1.5	No
R2451	F 1	W	Residential	85	77	78	77	76	1.7	No
R2451	F 2	W	Residential	85	79	81	79	82	1.8	No
R2451	F 3	W	Residential	85	81	82	81	78	1.8	No
R2452	GF	W	Residential	85	77	75	77	75	-0.9	No
R2453	GF	S	Residential	85	77	75	77	75	-1.5	No
R2454	GF	S	Residential	85	77	77	77	77	0.9	No
R2454	F 1	S	Residential	85	78	77	78	77	0.7	No
R2455	GF	N	Residential	85	76	73	76	73	-2.9	No
R2457	GF	W	Residential	85	77	75	77	75	-1.4	No
R2457	F 1	W	Residential	85	81	78	81	79	-2.3	No
R2457	F 2	W	Residential	85	83	79	83	78	-2.8	No
R2458	GF	W	Residential	85	75	74	75	74	-1.1	No
R2459	GF	NW	Active recreation	n/a	72	73	72	73	3.4	No
R2460	GF	S	Residential	85	76	75	76	75	-0.6	No
R2461	GF	S	Residential	85	80	74	80	77	-6.2	No
R2461	F 1	S	Residential	85	81	75	81	75	-4.9	No
R2461	F 2	S	Residential	85	81	77	81	74	-3.6	No
R2463	GF	S	Residential	85	80	75	80	77	-4	No
R2463	F 1	S	Residential	85	82	77	82	75	-4.4	No
R2464	GF	N	Residential	85	77	74	77	74	-2.4	No
R2464	F 1	N	Residential	85	79	75	79	75	-3.3	No
R2465	GF	W	Residential	85	78	76	78	78	-1.8	No
R2465	F 1	W	Residential	85	81	78	82	76	-2.5	No
R2468	GF	S	Residential	85	77	75	77	75	-1.2	No
R2470	GF	N	Residential	85	73	72	73	72	-0.7	No
R2470	F 1	N	Residential	85	77	74	77	74	-2.4	No
R2471	GF	N	Residential	85	78	72	78	77	-5.8	No
R2471	F 1	N	Residential	85	81	77	81	72	-4.3	No
R2473	GF	W	Residential	85	79	79	79	80	0.5	No
R2473	F 1	W	Residential	85	80	80	80	79	0.6	No
R2475	GF	N	Residential	85	75	73	75	73	-1.5	No
R2476	GF	S	Residential	85	76	73	76	73	-2.3	No
R2476	F 1	S	Residential	85	79	76	79	76	-1.7	No
R2477	GF	W	Residential	85	77	74	77	74	-2.2	No
R2477	F 1	W	Residential	85	80	76	80	76	-3.1	No
R2477	F 2	W	Residential	85	83	78	83	78	-4	No
R2478	GF	W	Residential	85	75	76	75	80	1.5	No
R2478	F 1	W	Residential	85	76	78	76	76	1.7	No
R2478	F 2	W	Residential	85	77	80	77	78	2.3	No
R2478	F 3	W	Residential	85	79	81	79	81	2.3	No
R2479	GF	N	Residential	85	73	71	73	71	-1	No
R2482	GF	W	Residential	85	80	75	80	75	-4.6	No
R2482	F 1	W	Residential	85	82	77	82	77	-4.3	No
R2484	GF	W	Residential	85	77	75	77	75	-1.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2485	GF	S	Residential	85	78	73	78	75	-4.7	No
R2485	F 1	S	Residential	85	79	75	79	73	-4.2	No
R2485	F 2	S	Residential	85	81	77	81	77	-3.6	No
R2486	GF	W	Residential	85	77	77	77	77	1.1	No
R2488	GF	N	Residential	85	73	76	73	77	3.1	No
R2488	F 1	N	Residential	85	74	77	74	76	3	No
R2488	F 2	N	Residential	85	74	77	74	77	3	No
R2488	F 3	N	Residential	85	76	79	76	79	2.7	No
R2490	GF	W	Residential	85	76	74	76	74	-1.5	No
R2491	GF	N	Residential	85	78	71	78	71	-6.3	No
R2491	F 1	N	Residential	85	80	75	80	75	-4.6	No
R2492	GF	W	Residential	85	75	76	75	76	3	No
R2492	F 1	W	Residential	85	76	77	76	77	2.8	No
R2492	F 2	W	Residential	85	77	79	77	79	2.9	No
R2492	F 3	W	Residential	85	79	81	79	81	2.3	No
R2494	GF	W	Residential	85	76	74	76	74	-1	No
R2494	F 1	W	Residential	85	79	76	79	77	-1.6	No
R2495	GF	N	Residential	85	76	74	76	74	-2.5	No
R2495	F 1	N	Residential	85	79	76	79	76	-2.9	No
R2496	GF	W	Residential	85	76	74	76	74	-0.9	No
R2500	GF	S	Residential	85	75	72	75	72	-2.2	No
R2500	F 1	S	Residential	85	78	76	78	76	-2.1	No
R2505	GF	W	Residential	85	75	74	75	74	-0.4	No
R2506	GF	S	Residential	85	76	72	76	72	-3.9	No
R2506	F 1	S	Residential	85	79	75	79	75	-3	No
R2506	F 2	S	Residential	85	81	77	81	77	-3.4	No
R2507	GF	S	Residential	85	77	73	77	76	-4.1	No
R2507	F 1	S	Residential	85	79	76	79	73	-3.2	No
R2508	GF	N	Residential	85	76	73	76	73	-1.9	No
R2508	F 1	N	Residential	85	78	75	78	75	-2.8	No
R2509	GF	S	Residential	85	79	79	79	79	0.2	No
R2512	GF	S	Residential	85	80	80	80	80	0.3	No
R2512	F 1	S	Residential	85	80	80	80	80	0.4	No
R2513	GF	N	Residential	85	77	70	77	71	-6.4	No
R2513	F 1	N	Residential	85	78	72	78	72	-6.3	No
R2516	GF	S	Residential	85	75	74	75	74	-0.1	No
R2519	GF	S	Residential	85	76	73	76	73	-2.8	No
R2521	GF	W	Residential	85	75	74	76	74	-1	No
R2522	GF	S	Residential	85	76	72	76	76	-4.1	No
R2522	F 1	S	Residential	85	79	75	79	72	-3.2	No
R2522	F 2	S	Residential	85	81	76	81	75	-3.9	No
R2523	GF	W	Residential	85	77	75	77	75	-1.3	No
R2524	GF	W	Residential	85	76	74	76	74	-1.1	No
R2525	GF	N	Residential	85	73	76	73	77	2.7	No
R2525	F 1	N	Residential	85	74	76	74	76	2.5	No
R2525	F 2	N	Residential	85	74	76	74	76	2.3	No
R2525	F 3	N	Residential	85	74	77	74	76	2.4	No
R2526	GF	W	Residential	85	78	76	78	76	0.1	No
R2528	GF	W	Residential	85	77	76	77	76	1	No
R2529	GF	W	Residential	85	77	75	77	78	-1.7	No
R2529	F 1	W	Residential	85	79	76	79	75	-2.3	No
R2529	F 2	W	Residential	85	82	78	82	76	-2.9	No
R2530	GF	W	Residential	85	76	74	76	74	-0.2	No
R2533	GF	W	Residential	85	75	75	75	75	1.1	No
R2535	GF	W	Residential	85	79	75	79	75	-2.8	No
R2536	GF	W	Residential	85	76	75	76	78	0.9	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2536	F 1	W	Residential	85	80	78	80	75	-0.2	No
R2538	GF	S	Residential	85	76	73	76	73	-1.6	No
R2538	F 1	S	Residential	85	78	75	78	75	-2.1	No
R2540	GF	W	Residential	85	73	73	73	73	2.3	No
R2540	F 1	W	Residential	85	80	79	80	79	0.3	No
R2541	GF	W	Residential	85	76	75	76	75	1.1	No
R2541	F 1	W	Residential	85	79	77	79	77	-0.2	No
R2542	GF	W	Residential	85	77	74	77	74	-1.6	No
R2542	F 1	W	Residential	85	80	76	80	76	-2.2	No
R2543	GF	S	Residential	85	80	80	80	80	0.3	No
R2543	F 1	S	Residential	85	80	80	80	80	0.4	No
R2544	GF	W	Residential	85	75	74	75	76	1.1	No
R2544	F 1	W	Residential	85	78	76	78	74	0.1	No
R2545	GF	W	Residential	85	76	75	76	75	0.8	No
R2548	GF	S	Residential	85	77	71	77	71	-5.3	No
R2550	GF	W	Residential	85	76	74	76	74	-0.1	No
R2551	GF	N	Residential	85	73	75	73	76	2.7	No
R2551	F 1	N	Residential	85	73	76	73	76	2.8	No
R2551	F 2	N	Residential	85	73	76	73	75	2.8	No
R2552	GF	S	Residential	85	74	72	74	72	-0.9	No
R2553	GF	W	Residential	85	74	73	74	73	-0.6	No
R2555	GF	W	Residential	85	75	73	75	73	-1.3	No
R2556	GF	NW	Industrial	n/a	76	75	76	77	-0.5	No
R2556	F 1	NW	Industrial	n/a	78	77	78	75	-0.2	No
R2557	GF	W	Residential	85	77	74	77	74	-2.2	No
R2561	GF	W	Residential	85	76	74	76	74	-0.8	No
R2562	GF	N	Residential	85	70	69	70	69	-0.1	No
R2562	F 1	N	Residential	85	75	73	75	73	0.3	No
R2563	GF	S	Residential	85	78	77	78	78	0.3	No
R2563	F 1	S	Residential	85	79	78	79	77	-0.1	No
R2564	GF	N	Residential	85	73	71	73	73	-1.1	No
R2564	F 1	N	Residential	85	76	73	76	71	-2.4	No
R2565	GF	W	Residential	85	75	73	75	73	-1.4	No
R2566	GF	N	Residential	85	69	69	69	72	0.5	No
R2566	F 1	N	Residential	85	69	70	70	69	0	No
R2566	F 2	N	Residential	85	70	70	70	69	0.2	No
R2566	F 3	N	Residential	85	71	72	72	70	0.5	No
R2567	GF	W	Residential	85	69	70	69	72	1.3	No
R2567	F 1	W	Residential	85	71	72	71	70	1.8	No
R2568	GF	W	Residential	85	76	74	76	74	-1.7	No
R2570	GF	S	Residential	85	68	68	68	68	0.9	No
R2570	F 1	S	Residential	85	70	70	70	70	1.4	No
R2571	GF	S	Residential	85	74	72	74	75	-1.6	No
R2571	F 1	S	Residential	85	79	75	79	72	-1.9	No
R2572	GF	W	Residential	85	75	72	75	72	-1.8	No
R2572	F 1	W	Residential	85	79	75	79	75	-2.2	No
R2573	GF	S	Residential	85	72	71	72	71	-0.9	No
R2575	GF	S	Residential	85	74	71	74	73	-2	No
R2575	F 1	S	Residential	85	76	73	76	75	-1.5	No
R2575	F 2	S	Residential	85	79	75	79	76	-2.5	No
R2575	F 3	S	Residential	85	81	76	81	71	-3.7	No
R2578	GF	N	Residential	85	75	69	75	69	-5.8	No
R2578	F 1	N	Residential	85	76	70	76	70	-5.7	No
R2578	F 2	N	Residential	85	76	70	76	70	-5.3	No
R2578	F 3	N	Residential	85	76	71	76	71	-4.2	No
R2579	GF	W	Residential	85	71	72	71	72	2.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2580	GF	W	Residential	85	76	73	76	73	-1.6	No
R2581	GF	N	Residential	85	72	74	72	74	2	No
R2581	F 1	N	Residential	85	73	76	73	76	2.3	No
R2583	GF	W	Residential	85	76	74	76	74	-1.4	No
R2586	GF	S	Residential	85	79	80	79	80	0.2	No
R2586	F 1	S	Residential	85	80	80	80	80	0.3	No
R2587	GF	N	Residential	85	72	70	72	70	-1	No
R2587	F 1	N	Residential	85	75	72	75	72	-2	No
R2589	GF	S	Residential	85	75	74	75	74	-0.4	No
R2590	GF	E	Residential	85	68	67	68	67	1.5	No
R2592	GF	W	Residential	85	76	74	76	74	-1.4	No
R2592	F 1	W	Residential	85	79	75	79	75	-2.8	No
R2594	GF	W	Residential	85	70	70	70	70	1.7	No
R2594	F 1	W	Residential	85	71	72	71	72	2	No
R2594	F 2	W	Residential	85	72	72	72	72	2	No
R2595	GF	S	Residential	85	76	71	76	71	-4.7	No
R2599	GF	W	Residential	85	73	73	73	77	0.8	No
R2599	F 1	W	Residential	85	77	77	77	73	0.7	No
R2601	GF	W	Residential	85	70	70	70	70	1	No
R2601	F 1	W	Residential	85	71	72	71	72	1.7	No
R2603	GF	N	Residential	85	72	71	72	71	-0.8	No
R2603	F 1	N	Residential	85	76	73	76	73	-2.7	No
R2607	GF	W	Residential	85	76	74	76	74	-1.5	No
R2607	F 1	W	Residential	85	79	75	79	75	-3.2	No
R2607	F 2	W	Residential	85	81	76	81	76	-3.3	No
R2609	GF	W	Residential	85	75	73	75	75	-0.9	No
R2609	F 1	W	Residential	85	78	75	78	76	-1.7	No
R2609	F 2	W	Residential	85	80	76	80	73	-3	No
R2611	GF	N	Residential	85	73	71	73	71	-1	No
R2612	GF	W	Residential	85	69	70	69	70	1.2	No
R2612	F 1	W	Residential	85	70	71	70	71	1.2	No
R2613	GF	N	Residential	85	72	72	72	74	0.4	No
R2613	F 1	N	Residential	85	74	74	74	72	0.4	No
R2614	GF	S	Residential	85	74	73	74	73	0.7	No
R2615	GF	W	Residential	85	76	74	76	76	-1.4	No
R2615	F 1	W	Residential	85	79	76	79	74	-2.3	No
R2616	GF	W	Residential	85	70	70	70	70	1.3	No
R2618	GF	S	Residential	85	73	72	73	76	0.9	No
R2618	F 1	S	Residential	85	77	76	77	72	0.5	No
R2619	GF	W	Residential	85	70	71	70	71	1.8	No
R2622	GF	N	Residential	85	74	73	74	73	-1.1	No
R2624	GF	W	Residential	85	75	73	75	73	-1.4	No
R2625	GF	S	Residential	85	74	72	74	72	-0.3	No
R2625	F 1	S	Residential	85	78	77	78	77	0.1	No
R2628	GF	W	Residential	85	76	74	76	74	-0.2	No
R2628	F 1	W	Residential	85	79	76	79	76	-1.6	No
R2629	GF	W	Residential	85	75	73	75	73	0.2	No
R2629	F 1	W	Residential	85	78	75	78	75	-1.1	No
R2631	GF	W	Residential	85	76	73	76	73	-1.3	No
R2631	F 1	W	Residential	85	78	75	78	75	-2	No
R2632	GF	N	Residential	85	71	73	72	73	1.6	No
R2632	F 1	N	Residential	85	72	74	72	74	1.5	No
R2633	GF	N	Residential	85	73	71	73	71	-1.5	No
R2635	GF	W	Residential	85	74	72	74	72	-1	No
R2637	GF	N	Residential	85	73	71	73	71	-1.6	No
R2640	GF	S	Residential	85	75	72	75	72	-1.9	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2642	GF	W	Residential	85	74	73	74	73	-0.4	No
R2643	GF	W	Residential	85	75	73	75	73	-1	No
R2643	F 1	W	Residential	85	78	74	78	74	-2.6	No
R2644	GF	S	Residential	85	73	72	73	72	0.8	No
R2646	GF	W	Residential	85	75	73	75	73	-1	No
R2649	GF	W	Residential	85	75	73	75	75	-2	No
R2649	F 1	W	Residential	85	77	75	77	73	-2.2	No
R2650	GF	N	Residential	85	68	69	68	71	1	No
R2650	F 1	N	Residential	85	70	71	70	69	1.4	No
R2652	GF	S	Residential	85	76	74	76	74	-1.7	No
R2654	GF	W	Residential	85	72	72	72	72	0.5	No
R2654	F 1	W	Residential	85	73	73	73	73	0.6	No
R2656	GF	W	Residential	85	75	73	75	73	-0.5	No
R2660	GF	S	Residential	85	68	69	68	69	1.1	No
R2660	F 1	S	Residential	85	70	71	70	71	1.5	No
R2662	GF	N	Residential	85	74	71	74	71	-2.2	No
R2663	GF	NW	Residential	85	73	71	73	71	-1.4	No
R2665	GF	NW	Active recreation	n/a	71	71	71	71	2.9	No
R2667	GF	SW	Residential	85	75	73	75	73	-1	No
R2667	F 1	SW	Residential	85	77	74	77	74	-1.3	No
R2670	GF	S	Residential	85	75	75	75	76	0.5	No
R2670	F 1	S	Residential	85	76	76	76	75	0.4	No
R2671	GF	W	Residential	85	72	71	72	71	-0.8	No
R2671	F 1	W	Residential	85	77	74	77	74	-2.1	No
R2672	GF	S	Residential	85	73	71	73	71	-1	No
R2672	F 1	S	Residential	85	77	73	77	74	-2.4	No
R2675	GF	S	Residential	85	72	72	72	72	1.6	No
R2678	GF	W	Residential	85	72	72	72	77	1.6	No
R2678	F 1	W	Residential	85	77	77	77	72	0.7	No
R2681	GF	S	Residential	85	73	71	73	74	-1.8	No
R2681	F 1	S	Residential	85	78	74	78	71	-2.4	No
R2682	GF	W	Residential	85	75	70	75	73	-3.9	No
R2682	F 1	W	Residential	85	76	73	76	71	-1.8	No
R2685	GF	W	Residential	85	75	70	75	70	-4	No
R2685	F 1	W	Residential	85	76	73	76	73	-1.2	No
R2686	GF	W	Residential	85	71	71	71	71	2	No
R2686	F 1	W	Residential	85	77	76	77	76	0.5	No
R2687	GF	W	Residential	85	74	69	74	69	-4.5	No
R2687	F 1	W	Residential	85	75	72	75	73	-2.7	No
R2687	F 2	W	Residential	85	76	73	76	72	-2.1	No
R2689	GF	W	Residential	85	70	70	70	72	0.1	No
R2689	F 1	W	Residential	85	73	70	73	70	-2.1	No
R2689	F 2	W	Residential	85	75	72	75	70	-2.9	No
R2691	GF	W	Residential	85	71	71	71	76	2.3	No
R2691	F 1	W	Residential	85	76	76	76	71	0.6	No
R2694	GF	W	Industrial	n/a	78	78	78	78	0.1	No
R2696	GF	S	Educational institute	n/a	69	69	69	69	1.6	No
R2697	GF	W	Residential	85	71	71	71	71	1.5	No
R2698	GF	W	Residential	85	69	70	69	72	1.6	No
R2698	F 1	W	Residential	85	72	70	72	70	-0.1	No
R2698	F 2	W	Residential	85	74	72	74	70	-2	No
R2699	GF	N	Residential	85	73	71	73	71	-1.3	No
R2699	F 1	N	Residential	85	76	73	76	73	-2.3	No
R2700	GF	S	Residential	85	72	72	73	72	0.7	No
R2701	GF	W	Residential	85	71	71	71	71	2.1	No
R2701	F 1	W	Residential	85	76	75	76	75	0.7	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2702	GF	NW	Active recreation	n/a	71	71	71	71	1.3	No
R2703	GF	W	Residential	85	70	71	70	71	2.2	No
R2703	F 1	W	Residential	85	75	74	75	74	0.1	No
R2704	GF	W	Residential	85	71	71	71	75	2.6	No
R2704	F 1	W	Residential	85	76	75	76	71	0.8	No
R2706	GF	W	Educational institute	n/a	69	69	69	71	1.6	No
R2706	F 1	W	Educational institute	n/a	70	70	70	70	1.6	No
R2706	F 2	W	Educational institute	n/a	71	71	71	69	1.9	No
R2708	GF	W	Residential	85	70	71	70	76	2.8	No
R2708	F 1	W	Residential	85	77	76	77	71	0.6	No
R2711	GF	W	Residential	85	70	71	70	75	2.2	No
R2711	F 1	W	Residential	85	77	75	77	71	-0.6	No
R2715	GF	S	Residential	85	74	72	74	72	-1.1	No
R2716	GF	W	Residential	85	74	72	74	72	-1.2	No
R2716	F 1	W	Residential	85	77	74	77	74	-2.3	No
R2717	GF	S	Residential	85	73	72	73	72	-0.6	No
R2717	F 1	S	Residential	85	77	73	76	73	-1.8	No
R2718	GF	S	Commercial	n/a	80	80	80	80	0.2	No
R2718	F 1	S	Commercial	n/a	80	80	80	80	0.3	No
R2719	GF	S	Residential	85	72	71	72	71	-0.1	No
R2719	F 1	S	Residential	85	76	73	76	73	-1.1	No
R2719	F 2	S	Residential	85	79	75	79	75	-2.2	No
R2720	GF	S	Residential	85	72	72	72	72	0.2	No
R2723	GF	N	Residential	85	74	71	74	71	-2.4	No
R2723	F 1	N	Residential	85	75	72	75	72	-2.8	No
R2724	GF	W	Educational institute	n/a	69	70	69	70	1.8	No
R2725	GF	W	Residential	85	72	71	72	71	-0.8	No
R2725	F 1	W	Residential	85	77	73	77	73	-1.9	No
R2726	GF	S	Residential	85	74	71	74	71	-1.6	No
R2728	GF	W	Residential	85	71	71	71	71	0.4	No
R2731	GF	S	Residential	85	73	72	73	72	0.7	No
R2734	GF	W	Residential	85	72	71	72	74	0.1	No
R2734	F 1	W	Residential	85	75	72	75	71	-1.6	No
R2734	F 2	W	Residential	85	78	74	78	72	-2.9	No
R2735	GF	W	Residential	85	71	71	71	71	1	No
R2736	GF	S	Residential	85	72	71	72	71	0.6	No
R2738	GF	S	Residential	85	71	70	71	70	-0.1	No
R2738	F 1	S	Residential	85	75	73	75	73	-1.5	No
R2740	GF	W	Commercial	n/a	79	79	79	79	0.2	No
R2740	F 1	W	Commercial	n/a	79	79	79	79	0.3	No
R2742	GF	S	Residential	85	73	70	73	70	-2.5	No
R2743	GF	W	Residential	85	73	72	73	72	-0.5	No
R2744	GF	W	Residential	85	72	71	72	71	0.5	No
R2745	GF	W	Residential	85	73	72	73	72	0.2	No
R2745	F 1	W	Residential	85	76	73	76	73	-1	No
R2747	GF	W	Residential	85	72	71	72	71	0.4	No
R2747	F 1	W	Residential	85	76	73	76	73	-2.1	No
R2747	F 2	W	Residential	85	79	75	79	75	-2.7	No
R2749	GF	S	Residential	85	70	70	70	70	1.6	No
R2751	GF	W	Educational institute	n/a	70	70	70	71	1	No
R2751	F 1	W	Educational institute	n/a	71	71	71	71	1.1	No
R2752	GF	S	Residential	85	72	72	72	72	0.9	No
R2752	F 1	S	Residential	85	75	75	75	75	0.4	No
R2754	GF	W	Residential	85	72	71	72	71	0.4	No
R2754	F 1	W	Residential	85	76	73	76	73	-0.7	No
R2755	GF	NW	Active recreation	n/a	75	74	75	74	0.1	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2758	GF	W	Residential	85	73	72	73	72	1.4	No
R2760	GF	S	Residential	85	71	70	71	70	-0.5	No
R2760	F 1	S	Residential	85	74	72	74	72	-1.3	No
R2762	GF	S	Commercial	n/a	78	77	78	77	0	No
R2766	GF	W	Residential	85	70	70	70	70	0.4	No
R2767	GF	W	Residential	85	71	71	71	74	1.8	No
R2767	F 1	W	Residential	85	74	74	74	71	0.8	No
R2768	GF	NW	Active recreation	n/a	76	75	76	75	-0.1	No
R2771	GF	W	Residential	85	69	70	69	70	2.8	No
R2771	F 1	W	Residential	85	73	73	73	73	1.2	No
R2772	GF	W	Residential	85	74	71	74	73	-0.5	No
R2772	F 1	W	Residential	85	77	73	77	71	-1.5	No
R2773	GF	S	Residential	85	74	74	74	74	0.6	No
R2774	GF	W	Residential	85	72	71	72	71	0.3	No
R2776	GF	W	Residential	85	69	69	69	69	2.8	No
R2778	GF	W	Residential	85	69	70	69	70	1.8	No
R2779	GF	W	Residential	85	72	71	72	71	-0.1	No
R2782	GF	W	Residential	85	74	72	74	72	-0.7	No
R2782	F 1	W	Residential	85	77	73	77	73	-1.6	No
R2785	GF	W	Residential	85	70	70	70	70	2.1	No
R2786	GF	W	Residential	85	74	72	74	72	-0.8	No
R2786	F 1	W	Residential	85	77	73	77	73	-2	No
R2787	GF	W	Residential	85	70	70	70	70	2.2	No
R2788	GF	W	Residential	85	74	72	74	75	-0.5	No
R2788	F 1	W	Residential	85	77	74	77	72	-1.9	No
R2788	F 2	W	Residential	85	79	75	79	74	-2.4	No
R2790	GF	W	Residential	85	70	70	70	70	2.5	No
R2791	GF	W	Educational institute	n/a	69	69	69	70	1.6	No
R2791	F 1	W	Educational institute	n/a	70	70	70	69	1.3	No
R2794	GF	W	Residential	85	72	70	72	70	-0.8	No
R2795	GF	S	Residential	85	72	70	72	73	0.5	No
R2795	F 1	S	Residential	85	75	73	76	70	-0.5	No
R2796	GF	S	Residential	85	75	75	75	75	0.4	No
R2796	F 1	S	Residential	85	76	76	76	76	0.4	No
R2798	GF	W	Residential	85	72	71	72	71	-0.6	No
R2798	F 1	W	Residential	85	75	73	75	73	-1.4	No
R2800	GF	W	Educational institute	n/a	68	68	68	70	1.5	No
R2800	F 1	W	Educational institute	n/a	70	70	70	68	1.5	No
R2803	GF	W	Residential	85	73	71	73	71	-0.5	No
R2804	GF	W	Residential	85	73	71	73	71	-1.2	No
R2804	F 1	W	Residential	85	76	72	76	72	-2.3	No
R2806	GF	W	Residential	85	74	71	74	71	-0.3	No
R2806	F 1	W	Residential	85	77	73	77	74	-1.4	No
R2807	GF	W	Residential	85	68	68	68	68	2.6	No
R2807	F 1	W	Residential	85	70	69	70	69	0.7	No
R2809	GF	N	Residential	85	72	69	72	69	-1.7	No
R2810	GF	W	Educational institute	n/a	69	69	69	70	1.4	No
R2810	F 1	W	Educational institute	n/a	70	70	70	69	1.3	No
R2811	GF	W	Residential	85	72	70	72	70	-0.5	No
R2812	GF	W	Residential	85	73	71	73	75	-1.1	No
R2812	F 1	W	Residential	85	76	73	76	71	-1.9	No
R2812	F 2	W	Residential	85	78	75	78	73	-1.8	No
R2814	GF	W	Educational institute	n/a	67	67	67	68	0.6	No
R2814	F 1	W	Educational institute	n/a	68	68	68	67	0.9	No
R2818	GF	S	Residential	85	76	76	76	76	0.3	No
R2818	F 1	S	Residential	85	76	76	76	76	0.4	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2822	GF	W	Educational institute	n/a	66	66	66	70	1.1	No
R2822	F 1	W	Educational institute	n/a	69	70	69	66	2.1	No
R2823	GF	W	Residential	85	71	70	71	70	0.4	No
R2823	F 1	W	Residential	85	74	72	74	72	-0.4	No
R2824	GF	W	Educational institute	n/a	69	69	69	70	1.6	No
R2824	F 1	W	Educational institute	n/a	69	70	69	69	1.9	No
R2825	GF	W	Residential	85	68	68	68	68	1.7	No
R2825	F 1	W	Residential	85	69	69	69	69	1.8	No
R2827	GF	S	Residential	85	75	74	75	74	0.4	No
R2829	GF	W	Residential	85	70	69	70	69	0.8	No
R2829	F 1	W	Residential	85	73	71	73	71	-0.1	No
R2830	GF	W	Residential	85	69	69	69	74	2.4	No
R2830	F 1	W	Residential	85	71	70	71	69	0.2	No
R2830	F 2	W	Residential	85	76	74	76	70	0.2	No
R2831	GF	W	Educational institute	n/a	69	69	69	70	1.6	No
R2831	F 1	W	Educational institute	n/a	69	70	70	69	1	No
R2832	GF	W	Educational institute	n/a	68	68	68	70	1.5	No
R2832	F 1	W	Educational institute	n/a	69	70	69	68	2	No
R2835	GF	W	Residential	85	71	70	71	70	-0.4	No
R2837	GF	W	Residential	85	69	69	69	69	1.3	No
R2837	F 1	W	Residential	85	71	70	71	70	-0.1	No
R2841	GF	SW	Residential	85	71	71	71	71	1.4	No
R2842	GF	W	Residential	85	69	69	69	70	1	No
R2842	F 1	W	Residential	85	72	70	72	69	-0.3	No
R2843	GF	W	Residential	85	69	69	69	70	0.1	No
R2843	F 1	W	Residential	85	72	70	72	69	-0.5	No
R2844	GF	S	Residential	85	72	70	72	70	-0.3	No
R2845	GF	W	Residential	85	71	71	71	71	1.5	No
R2848	GF	W	Residential	85	71	70	71	70	-0.1	No
R2848	F 1	W	Residential	85	74	72	74	72	-0.8	No
R2850	GF	S	Residential	85	75	75	75	75	0.5	No
R2851	GF	N	Residential	85	71	69	71	69	-1.5	No
R2851	F 1	N	Residential	85	74	71	74	71	-2.2	No
R2854	GF	W	Residential	85	70	70	70	70	1.2	No
R2855	GF	W	Residential	85	72	70	72	74	-0.4	No
R2855	F 1	W	Residential	85	75	72	75	70	-1.5	No
R2855	F 2	W	Residential	85	78	74	78	72	-2.7	No
R2857	GF	W	Residential	85	72	70	72	73	0.2	No
R2857	F 1	W	Residential	85	76	73	76	70	-0.8	No
R2862	GF	W	Educational institute	n/a	67	68	67	69	1.7	No
R2862	F 1	W	Educational institute	n/a	69	69	69	68	1.9	No
R2863	GF	W	Residential	85	74	72	74	72	0.7	No
R2863	F 1	W	Residential	85	77	74	77	74	-0.4	No
R2865	GF	S	Residential	85	75	75	75	75	0.1	No
R2865	F 1	S	Residential	85	76	75	76	75	0.2	No
R2867	GF	W	Residential	85	69	68	69	68	1.6	No
R2868	GF	W	Residential	85	72	70	72	73	-0.8	No
R2868	F 1	W	Residential	85	76	73	76	70	-1.5	No
R2870	GF	NW	Active recreation	n/a	77	76	77	76	-0.1	No
R2871	GF	S	Residential	85	69	69	69	69	1.9	No
R2873	GF	W	Residential	85	73	72	74	72	1.1	No
R2873	F 1	W	Residential	85	77	74	77	74	0	No
R2873	F 2	W	Residential	85	78	74	78	74	-2.5	No
R2878	GF	S	Residential	85	70	68	70	71	-0.3	No
R2878	F 1	S	Residential	85	74	71	74	68	0	No
R2880	GF	W	Residential	85	70	70	70	70	1.7	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2880	F 1	W	Residential	85	75	75	75	75	0.5	No
R2881	GF	S	Residential	85	70	69	70	69	-0.1	No
R2882	GF	W	Residential	85	71	71	71	71	1.3	No
R2882	F 1	W	Residential	85	75	75	75	75	0.4	No
R2883	GF	W	Residential	85	71	70	71	72	-0.6	No
R2883	F 1	W	Residential	85	75	72	75	70	-0.9	No
R2887	GF	W	Residential	85	73	73	73	73	0.4	No
R2889	GF	S	Residential	85	74	74	74	74	0.1	No
R2889	F 1	S	Residential	85	75	75	75	75	0.3	No
R2890	GF	W	Residential	85	73	73	73	73	0.8	No
R2891	GF	W	Active recreation	n/a	70	70	70	73	1.2	No
R2891	F 1	W	Active recreation	n/a	72	72	72	72	0.5	No
R2891	F 2	W	Active recreation	n/a	73	73	73	70	0.3	No
R2893	GF	W	Residential	85	71	69	71	69	-0.2	No
R2893	F 1	W	Residential	85	75	72	74	72	-1.4	No
R2896	GF	W	Residential	85	70	69	70	69	-0.3	No
R2897	GF	W	Residential	85	72	72	72	73	0.8	No
R2897	F 1	W	Residential	85	73	73	73	72	0.5	No
R2899	GF	W	Active recreation	n/a	76	76	76	76	-0.1	No
R2902	GF	W	Residential	85	70	69	70	71	-0.1	No
R2902	F 1	W	Residential	85	74	71	74	73	-1.3	No
R2902	F 2	W	Residential	85	77	73	77	69	-2.3	No
R2904	GF	W	Residential	85	70	68	70	68	-0.5	No
R2904	F 1	W	Residential	85	73	70	73	70	-1.1	No
R2905	GF	W	Residential	85	69	69	69	73	2	No
R2905	F 1	W	Residential	85	73	73	73	69	0.7	No
R2906	GF	W	Active recreation	n/a	71	71	71	71	1.5	No
R2907	GF	S	Residential	85	74	72	74	72	-1	No
R2909	GF	W	Residential	85	69	69	69	69	2.1	No
R2909	F 1	W	Residential	85	73	72	73	72	1.1	No
R2910	GF	W	Residential	85	67	68	67	68	1.6	No
R2910	F 1	W	Residential	85	70	69	70	69	1.7	No
R2913	GF	W	Residential	85	68	68	68	68	1.9	No
R2913	F 1	W	Residential	85	72	71	72	71	1.3	No
R2915	GF	W	Residential	85	68	68	68	68	2	No
R2915	F 1	W	Residential	85	71	69	71	69	-0.4	No
R2916	GF	S	Residential	85	70	69	70	69	1.1	No
R2916	F 1	S	Residential	85	74	73	74	73	0.6	No
R2919	GF	W	Residential	85	72	71	72	73	1.1	No
R2919	F 1	W	Residential	85	75	73	75	71	0.6	No
R2920	GF	W	Residential	85	67	68	67	68	1.5	No
R2920	F 1	W	Residential	85	68	68	68	68	1.9	No
R2921	GF	W	Residential	85	70	69	70	73	1.3	No
R2921	F 1	W	Residential	85	74	73	74	69	0.9	No
R2922	GF	S	Residential	85	69	68	69	68	-0.4	No
R2923	GF	N	Residential	85	68	68	68	68	1.3	No
R2925	GF	W	Residential	85	72	71	72	71	0.9	No
R2928	GF	W	Residential	85	68	68	68	68	1.7	No
R2931	GF	W	Residential	85	70	69	70	69	-0.2	No
R2931	F 1	W	Residential	85	74	71	74	71	-1	No
R2932	GF	W	Residential	85	68	68	68	68	1.5	No
R2932	F 1	W	Residential	85	69	69	69	69	1.5	No
R2933	GF	SW	Residential	85	70	70	70	70	1.1	No
R2934	GF	W	Residential	85	71	70	71	70	0.3	No
R2936	GF	W	Residential	85	67	68	67	68	1.4	No
R2936	F 1	W	Residential	85	69	69	69	69	1.4	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R2937	GF	W	Residential	85	68	68	68	68	1.3	No
R2937	F 1	W	Residential	85	68	69	68	69	1.3	No
R2938	GF	W	Residential	85	68	68	68	68	1.1	No
R2938	F 1	W	Residential	85	68	68	68	68	1.1	No
R2939	GF	W	Residential	85	67	68	67	68	1.6	No
R2939	F 1	W	Residential	85	68	68	68	68	1.3	No
R2940	GF	W	Residential	85	69	68	70	68	0.6	No
R2942	GF	W	Residential	85	71	70	71	70	0.1	No
R2942	F 1	W	Residential	85	75	72	75	72	-1.1	No
R2943	GF	S	Residential	85	68	67	68	67	1.5	No
R2945	GF	S	Residential	85	69	69	69	69	0.9	No
R2948	GF	SE	Residential	85	67	68	67	68	1.3	No
R2950	GF	S	Residential	85	68	68	68	68	1.2	No
R2951	GF	W	Residential	85	72	70	72	73	0.7	No
R2951	F 1	W	Residential	85	75	73	75	70	0.1	No
R2954	GF	W	Residential	85	66	67	66	67	3.1	No
R2955	GF	W	Residential	85	66	67	66	67	2.4	No
R2956	GF	W	Residential	85	67	68	67	68	2.1	No
R2957	GF	W	Residential	85	67	68	67	68	2.5	No
R2958	GF	W	Residential	85	73	70	73	70	-0.5	No
R2959	GF	W	Residential	85	67	68	67	68	2.7	No
R2960	GF	S	Residential	85	68	69	68	69	1.8	No
R2961	GF	N	Residential	85	65	66	65	66	0.9	No
R2961	F 1	N	Residential	85	66	66	66	66	0.3	No
R2963	GF	S	Residential	85	70	70	70	70	1.1	No
R2964	GF	N	Residential	85	66	66	66	66	1.1	No
R2967	GF	NW	Active recreation	n/a	70	68	70	68	0.1	No
R2968	GF	W	Residential	85	69	68	69	68	-0.2	No
R2971	GF	W	Residential	85	66	67	66	69	3	No
R2971	F 1	W	Residential	85	70	69	70	67	-0.8	No
R2973	GF	W	Residential	85	66	67	66	67	2	No
R2974	GF	W	Residential	85	68	68	68	68	1.7	No
R2975	GF	SW	Residential	85	69	70	70	70	0.2	No
R2976	GF	W	Residential	85	68	68	68	68	2	No
R2977	GF	NW	Active recreation	n/a	69	68	69	68	1.6	No
R2978	GF	W	Active recreation	n/a	74	74	74	74	0.3	No
R2979	GF	S	Residential	85	72	71	72	71	0.6	No
R2980	GF	W	Residential	85	68	68	68	68	1.7	No
R2982	GF	W	Residential	85	70	70	70	70	1.2	No
R2982	F 1	W	Residential	85	73	72	73	72	0.9	No
R2984	GF	W	Residential	85	66	66	66	66	1.5	No
R2984	F 1	W	Residential	85	67	68	67	68	1.3	No
R2985	GF	S	Residential	85	68	68	68	68	1.9	No
R2989	GF	W	Residential	85	67	66	67	66	1.2	No
R2991	GF	SW	Residential	85	70	70	70	70	1	No
R2992	GF	W	Residential	85	68	68	68	68	1.9	No
R2992	F 1	W	Residential	85	72	71	72	71	0.9	No
R2993	GF	W	Residential	85	67	67	67	68	1.9	No
R2993	F 1	W	Residential	85	68	68	68	67	1.6	No
R2994	GF	NW	Residential	85	66	67	66	67	2.3	No
R2995	GF	S	Residential	85	70	70	70	70	0.8	No
R2996	GF	W	Residential	85	70	69	70	72	0.8	No
R2996	F 1	W	Residential	85	74	72	74	69	0.7	No
R2997	GF	W	Residential	85	70	70	70	70	1.5	No
R2999	GF	W	Residential	85	64	65	64	67	2.9	No
R2999	F 1	W	Residential	85	67	67	67	65	2.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3001	GF	W	Residential	85	66	67	66	66	1.5	No
R3001	F 1	W	Residential	85	67	67	67	67	1.7	No
R3002	GF	W	Residential	85	66	66	66	66	1.3	No
R3002	F 1	W	Residential	85	67	67	67	67	1.4	No
R3003	GF	W	Residential	85	71	70	71	70	0.9	No
R3003	F 1	W	Residential	85	75	73	75	73	0.4	No
R3004	GF	W	Residential	85	66	66	66	66	1.4	No
R3004	F 1	W	Residential	85	67	68	67	68	2.3	No
R3005	GF	W	Residential	85	72	70	72	70	0	No
R3005	F 1	W	Residential	85	75	73	75	73	0.4	No
R3006	GF	W	Residential	85	72	70	72	70	-0.1	No
R3006	F 1	W	Residential	85	75	73	75	73	0.5	No
R3007	GF	S	Residential	85	71	70	71	70	0.6	No
R3008	GF	W	Residential	85	66	67	66	67	1.6	No
R3008	F 1	W	Residential	85	67	67	67	67	1.7	No
R3009	GF	W	Residential	85	72	70	72	70	1	No
R3010	GF	S	Residential	85	71	70	71	73	0.7	No
R3010	F 1	S	Residential	85	73	73	73	71	0.7	No
R3014	GF	S	Active recreation	n/a	73	73	73	73	0.3	No
R3016	GF	W	Residential	85	72	70	72	70	0.9	No
R3016	F 1	W	Residential	85	75	72	75	72	-0.2	No
R3017	GF	W	Residential	85	71	70	71	72	1.5	No
R3017	F 1	W	Residential	85	75	72	74	70	-0.1	No
R3019	GF	W	Residential	85	66	67	66	67	1.6	No
R3020	GF	N	Residential	85	67	67	67	67	1	No
R3021	GF	W	Residential	85	66	67	66	68	1.8	No
R3021	F 1	W	Residential	85	67	67	67	67	1.6	No
R3021	F 2	W	Residential	85	68	68	68	67	1.8	No
R3023	GF	W	Residential	85	70	69	70	72	0.2	No
R3023	F 1	W	Residential	85	74	72	74	69	-0.4	No
R3024	GF	S	Residential	85	65	66	65	66	2.4	No
R3025	GF	N	Residential	85	72	72	72	72	0.9	No
R3027	GF	W	Residential	85	70	70	70	70	1.2	No
R3028	GF	W	Residential	85	72	73	72	72	0.6	No
R3030	GF	W	Residential	85	69	67	69	67	0	No
R3033	GF	S	Residential	85	71	71	71	71	0.6	No
R3034	GF	W	Residential	85	68	68	68	71	1.4	No
R3034	F 1	W	Residential	85	73	71	73	68	-0.1	No
R3038	GF	S	Residential	85	71	71	72	71	1	No
R3040	GF	W	Residential	85	66	67	66	69	2.2	No
R3040	F 1	W	Residential	85	71	69	71	67	0.9	No
R3041	GF	W	Residential	85	71	70	71	70	0.7	No
R3042	GF	W	Residential	85	67	67	67	67	2.6	No
R3042	F 1	W	Residential	85	72	71	72	71	0.4	No
R3043	GF	S	Residential	85	64	65	64	66	1.9	No
R3043	F 1	S	Residential	85	66	66	66	65	2	No
R3046	GF	W	Residential	85	73	73	73	73	0.4	No
R3047	GF	W	Residential	85	71	71	71	73	0.9	No
R3047	F 1	W	Residential	85	73	73	73	71	0.6	No
R3048	GF	W	Residential	85	67	67	67	67	2.1	No
R3049	GF	W	Residential	85	65	66	65	66	1.5	No
R3049	F 1	W	Residential	85	66	67	67	67	1.1	No
R3049	F 2	W	Residential	85	67	67	67	67	1.4	No
R3050	GF	S	Residential	85	73	73	73	73	0.4	No
R3051	GF	W	Residential	85	67	67	67	67	1.1	No
R3051	F 1	W	Residential	85	69	67	69	67	-0.8	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3053	GF	W	Residential	85	73	73	73	73	0.4	No
R3054	GF	W	Residential	85	71	70	71	73	0.7	No
R3054	F 1	W	Residential	85	74	73	74	70	0.4	No
R3055	GF	W	Residential	85	66	66	66	66	1.4	No
R3055	F 1	W	Residential	85	69	67	69	67	0	No
R3058	GF	W	Residential	85	69	68	69	68	0.6	No
R3058	F 1	W	Residential	85	75	73	75	73	0.4	No
R3060	GF	W	Residential	85	72	71	72	73	0.7	No
R3060	F 1	W	Residential	85	73	73	73	71	0.5	No
R3061	GF	W	Residential	85	66	66	66	66	2.8	No
R3061	F 1	W	Residential	85	67	67	67	67	1.3	No
R3064	GF	W	Residential	85	73	73	73	73	0.3	No
R3067	GF	W	Residential	85	65	66	65	66	2.3	No
R3070	GF	W	Residential	85	71	71	71	71	0.4	No
R3071	GF	S	Residential	85	73	72	73	73	0.6	No
R3071	F 1	S	Residential	85	74	73	74	72	0.4	No
R3072	GF	S	Residential	85	64	64	64	64	2.4	No
R3073	GF	W	Residential	85	66	67	66	67	1.6	No
R3074	GF	W	Residential	85	74	73	74	73	0	No
R3076	GF	W	Residential	85	72	72	72	72	0.6	No
R3077	GF	W	Residential	85	71	71	71	73	0.6	No
R3077	F 1	W	Residential	85	74	73	74	71	0.4	No
R3077	F 2	W	Residential	85	73	72	73	72	0.7	No
R3078	GF	W	Residential	85	65	65	65	65	2.2	No
R3078	F 1	W	Residential	85	66	66	66	66	2.2	No
R3081	GF	W	Residential	85	65	65	65	66	2.2	No
R3081	F 1	W	Residential	85	66	66	66	65	2.2	No
R3083	GF	W	Residential	85	69	68	69	68	1.5	No
R3083	F 1	W	Residential	85	74	73	74	73	0.6	No
R3086	GF	W	Residential	85	65	66	65	65	2.3	No
R3086	F 1	W	Residential	85	66	67	66	66	2.4	No
R3086	F 2	W	Residential	85	65	65	65	67	1.1	No
R3089	GF	W	Residential	85	74	73	74	73	0.3	No
R3091	GF	W	Residential	85	65	65	65	65	1.9	No
R3091	F 1	W	Residential	85	65	65	65	65	1.9	No
R3092	GF	W	Residential	85	72	72	72	72	0.4	No
R3096	GF	S	Residential	85	65	65	65	66	2.7	No
R3098	GF	W	Residential	85	65	65	65	66	2.1	No
R3098	F 1	W	Residential	85	66	66	66	65	1.9	No
R3099	GF	S	Residential	85	65	65	65	65	1.8	No
R3101	GF	W	Residential	85	65	65	65	65	1.7	No
R3101	F 1	W	Residential	85	66	66	66	66	1.5	No
R3102	GF	S	Residential	85	72	72	72	72	0.1	No
R3102	F 1	S	Residential	85	73	73	73	73	0.2	No
R3103	GF	W	Residential	85	65	66	65	66	2.1	No
R3103	F 1	W	Residential	85	66	66	66	66	1.6	No
R3105	GF	W	Residential	85	72	72	72	72	0.4	No
R3107	GF	W	Residential	85	65	65	65	65	1.8	No
R3107	F 1	W	Residential	85	66	66	66	66	1.5	No
R3110	GF	W	Residential	85	66	67	66	66	2.4	No
R3111	GF	W	Residential	85	68	67	68	67	0	No
R3111	F 1	W	Residential	85	72	70	72	70	-0.3	No
R3113	GF	W	Residential	85	65	66	65	66	2	No
R3117	GF	W	Residential	85	64	65	64	65	1.9	No
R3117	F 1	W	Residential	85	66	66	66	66	1.3	No
R3117	F 2	W	Residential	85	66	66	66	66	1.7	No



Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3118	GF	W	Residential	85	65	65	65	65	2.3	No
R3119	GF	W	Residential	85	68	67	68	67	0.8	No
R3119	F 1	W	Residential	85	70	68	70	68	-0.5	No
R3120	GF	W	Residential	85	65	65	65	67	0.7	No
R3120	F 1	W	Residential	85	69	67	69	65	-1	No
R3121	GF	W	Residential	85	72	72	72	72	0.4	No
R3122	GF	W	Residential	85	65	65	65	65	1	No
R3122	F 1	W	Residential	85	72	71	72	71	0.3	No
R3122	F 2	W	Residential	85	72	71	72	71	0.3	No
R3123	GF	W	Residential	85	64	65	64	65	1.6	No
R3125	GF	S	Residential	85	64	64	64	64	1.9	No
R3126	GF	S	Residential	85	72	72	72	72	0.1	No
R3126	F 1	S	Residential	85	73	73	73	74	0.1	No
R3128	GF	W	Residential	85	72	72	72	72	0.3	No
R3132	GF	W	Residential	85	67	66	67	66	0.3	No
R3132	F 1	W	Residential	85	71	68	71	68	-1.1	No
R3137	GF	W	Residential	85	65	66	65	66	2.6	No
R3137	F 1	W	Residential	85	70	68	70	68	1.3	No
R3139	GF	W	Residential	85	65	65	65	65	1.5	No
R3140	GF	W	Residential	85	64	65	64	65	1.4	No
R3142	GF	S	Residential	85	73	73	73	73	0.6	No
R3143	GF	W	Residential	85	64	65	64	65	2.3	No
R3144	GF	W	Residential	85	65	65	65	66	2.4	No
R3144	F 1	W	Residential	85	67	66	67	65	1.8	No
R3148	GF	NW	Residential	85	71	71	71	71	0.5	No
R3149	GF	W	Residential	85	65	66	65	66	3.1	No
R3153	GF	W	Residential	85	65	65	65	67	1.9	No
R3153	F 1	W	Residential	85	69	67	69	65	0.4	No
R3155	GF	W	Residential	85	66	66	66	66	2.4	No
R3156	GF	S	Residential	85	65	65	65	65	2.2	No
R3159	GF	W	Residential	85	73	73	73	73	0.5	No
R3160	GF	W	Residential	85	63	64	63	65	1.5	No
R3160	F 1	W	Residential	85	65	65	65	64	1.7	No
R3161	GF	W	Residential	85	65	65	65	66	2.1	No
R3161	F 1	W	Residential	85	66	66	66	65	1.1	No
R3161	F 2	W	Residential	85	68	66	68	66	-0.4	No
R3162	GF	W	Residential	85	64	65	64	65	2.6	No
R3164	GF	NW	Residential	85	72	71	71	71	0.3	No
R3166	GF	W	Residential	85	65	65	65	66	2.3	No
R3166	F 1	W	Residential	85	66	66	66	65	1.3	No
R3169	GF	W	Residential	85	65	65	65	65	2	No
R3176	GF	N	Residential	85	63	64	63	65	1.8	No
R3176	F 1	N	Residential	85	64	65	64	64	2	No
R3177	GF	W	Residential	85	65	65	65	65	2.6	No
R3178	GF	W	Residential	85	65	65	65	65	2.2	No
R3178	F 1	W	Residential	85	66	66	66	66	1.9	No
R3180	GF	W	Residential	85	70	69	70	69	0.8	No
R3180	F 1	W	Residential	85	73	73	73	73	0.3	No
R3181	GF	W	Residential	85	64	65	64	65	2.5	No
R3181	F 1	W	Residential	85	64	64	64	64	1.9	No
R3186	GF	S	Residential	85	63	63	63	64	1.9	No
R3186	F 1	S	Residential	85	63	64	63	63	2.3	No
R3188	GF	W	Residential	85	71	71	71	71	0.5	No
R3188	F 1	W	Residential	85	71	71	71	71	0.2	No
R3191	GF	W	Residential	85	64	64	64	64	2.5	No
R3191	F 1	W	Residential	85	65	65	65	65	2.2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3193	GF	S	Residential	85	71	71	71	71	0.5	No
R3194	GF	W	Residential	85	70	70	70	70	0.7	No
R3196	GF	W	Residential	85	64	65	64	65	2.6	No
R3198	GF	NW	Residential	85	73	72	73	72	0	No
R3199	GF	S	Residential	85	64	64	64	64	1.7	No
R3202	GF	W	Residential	85	64	64	64	65	2.4	No
R3202	F 1	W	Residential	85	65	65	65	64	2.3	No
R3203	GF	W	Residential	85	64	65	64	65	1.8	No
R3203	F 1	W	Residential	85	65	65	65	65	1.6	No
R3204	GF	W	Residential	85	71	71	71	72	0.6	No
R3204	F 1	W	Residential	85	73	72	73	71	0.2	No
R3206	GF	NW	Residential	85	73	72	73	72	0.3	No
R3206	F 1	NW	Residential	85	74	73	74	74	0.1	No
R3209	GF	W	Residential	85	69	69	69	69	1.1	No
R3210	GF	S	Residential	85	65	65	65	65	3.2	No
R3211	GF	S	Residential	85	63	63	63	64	1.8	No
R3211	F 1	S	Residential	85	63	64	63	63	2.3	No
R3212	GF	W	Residential	85	63	64	63	64	1.9	No
R3212	F 1	W	Residential	85	64	65	64	65	1.6	No
R3213	GF	W	Residential	85	64	65	64	65	3	No
R3213	F 1	W	Residential	85	68	67	68	67	1.9	No
R3216	GF	S	Residential	85	70	70	70	70	0.5	No
R3218	GF	W	Residential	85	64	65	64	65	3	No
R3220	GF	NW	Residential	85	71	71	71	71	0.6	No
R3220	F 1	NW	Residential	85	73	73	73	73	0.2	No
R3221	GF	W	Residential	85	64	65	64	65	2.2	No
R3221	F 1	W	Residential	85	65	65	65	65	1.2	No
R3222	GF	W	Residential	85	64	65	64	65	2.1	No
R3223	GF	W	Residential	85	64	65	64	65	3.1	No
R3226	GF	W	Residential	85	64	65	64	65	1.8	No
R3228	GF	NW	Residential	85	70	69	70	70	0.8	No
R3230	GF	S	Residential	85	70	70	70	70	0.4	No
R3231	GF	W	Residential	85	64	65	64	65	2.4	No
R3231	F 1	W	Residential	85	66	66	66	66	1.9	No
R3234	GF	W	Residential	85	68	68	68	68	1.6	No
R3235	GF	W	Residential	85	64	65	64	65	2.6	No
R3236	GF	W	Residential	85	63	64	63	65	3.2	No
R3236	F 1	W	Residential	85	65	65	65	65	2.3	No
R3238	GF	W	Residential	85	64	64	64	65	2.6	No
R3238	F 1	W	Residential	85	65	65	65	64	2	No
R3239	GF	W	Residential	85	63	64	63	65	2.4	No
R3239	F 1	W	Residential	85	64	65	64	64	2.6	No
R3240	GF	S	Residential	85	70	70	70	70	0.5	No
R3241	GF	W	Residential	85	64	64	64	65	2.6	No
R3241	F 1	W	Residential	85	65	65	65	64	2	No
R3243	GF	NW	Residential	85	70	69	70	69	0.7	No
R3244	GF	W	Residential	85	64	64	64	65	2.5	No
R3244	F 1	W	Residential	85	65	65	65	64	2.1	No
R3247	GF	W	Residential	85	64	64	64	64	2.4	No
R3248	GF	W	Residential	85	68	68	68	68	1.1	No
R3250	GF	W	Residential	85	63	64	63	64	2.5	No
R3250	F 1	W	Residential	85	64	65	64	65	2.4	No
R3253	GF	W	Residential	85	63	64	63	63	2.4	No
R3253	F 1	W	Residential	85	63	63	63	64	1.9	No
R3254	GF	NW	Residential	85	70	69	70	69	0.7	No
R3257	GF	S	Industrial	n/a	65	65	65	68	1.5	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3257	F 1	S	Industrial	n/a	68	68	68	65	1.1	No
R3258	GF	W	Residential	85	64	64	63	64	2.5	No
R3258	F 1	W	Residential	85	64	64	64	64	2.2	No
R3262	GF	W	Residential	85	63	64	63	64	2.2	No
R3263	GF	S	Residential	85	62	63	62	63	3.6	No
R3263	F 1	S	Residential	85	63	63	63	63	2.1	No
R3264	GF	W	Residential	85	63	64	63	64	2.4	No
R3264	F 1	W	Residential	85	64	64	64	64	1.9	No
R3266	GF	NW	Residential	85	68	68	68	68	1.2	No
R3268	GF	E	Residential	85	63	63	63	64	2.3	No
R3272	GF	W	Residential	85	63	64	63	64	2.2	No
R3272	F 1	W	Residential	85	64	64	64	64	1.9	No
R3275	GF	W	Residential	85	63	64	63	64	2.2	No
R3275	F 1	W	Residential	85	64	64	64	64	1.8	No
R3277	GF	W	Residential	85	63	64	63	64	2	No
R3281	GF	W	Residential	85	63	63	63	64	1.5	No
R3281	F 1	W	Residential	85	64	64	64	63	1.3	No
R3283	GF	W	Residential	85	63	63	63	63	2.2	No
R3284	GF	W	Residential	85	70	70	70	70	0.5	No
R3286	GF	W	Residential	85	64	64	64	64	2.5	No
R3288	GF	W	Residential	85	64	64	64	64	2.3	No
R3289	GF	S	Residential	85	71	71	71	71	0.5	No
R3298	GF	W	Residential	85	69	69	69	70	0.5	No
R3298	F 1	W	Residential	85	73	73	73	73	0.1	No
R3300	GF	W	Residential	85	70	70	70	73	0.4	No
R3300	F 1	W	Residential	85	73	73	73	70	0.2	No
R3301	GF	W	Residential	85	62	63	62	65	3	No
R3301	F 1	W	Residential	85	64	65	64	63	2.7	No
R3302	GF	SW	Residential	85	65	65	65	65	1.8	No
R3303	GF	W	Residential	85	70	70	70	71	0.3	No
R3303	F 1	W	Residential	85	71	71	71	70	0.3	No
R3304	GF	SE	Residential	85	68	68	69	68	0.8	No
R3307	GF	W	Residential	85	66	66	66	66	1.7	No
R3307	F 1	W	Residential	85	69	69	70	69	0.5	No
R3308	GF	W	Residential	85	71	71	71	71	0.8	No
R3309	GF	W	Residential	85	63	64	63	63	2.1	No
R3309	F 1	W	Residential	85	64	64	64	64	1.2	No
R3310	GF	NW	Residential	85	70	70	70	70	0.5	No
R3311	GF	W	Residential	85	68	68	68	68	1	No
R3312	GF	W	Residential	85	62	63	62	64	2.7	No
R3312	F 1	W	Residential	85	64	64	64	62	2.5	No
R3312	F 2	W	Residential	85	63	62	63	63	1.5	No
R3314	GF	W	Residential	85	67	67	67	67	1.6	No
R3314	F 1	W	Residential	85	72	72	72	72	0.5	No
R3317	GF	W	Residential	85	65	65	65	65	2.5	No
R3318	GF	W	Residential	85	66	66	66	66	1.5	No
R3319	GF	W	Residential	85	67	68	67	68	0.8	No
R3322	GF	W	Residential	85	62	63	62	63	2.5	No
R3322	F 1	W	Residential	85	62	62	62	62	2.1	No
R3325	GF	S	Residential	85	62	63	62	63	3.1	No
R3326	GF	W	Residential	85	65	65	65	70	1.8	No
R3326	F 1	W	Residential	85	70	70	71	65	0.6	No
R3327	GF	NW	Residential	85	67	67	67	67	0.9	No
R3331	GF	SW	Residential	85	67	67	67	70	1.3	No
R3331	F 1	SW	Residential	85	70	70	70	67	0.8	No
R3334	GF	W	Residential	85	62	63	62	63	2	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3334	F 1	W	Residential	85	63	63	63	63	1.8	No
R3335	GF	W	Residential	85	63	63	63	63	1.9	No
R3335	F 1	W	Residential	85	63	63	63	64	1.7	No
R3336	GF	W	Residential	85	62	63	62	63	2.1	No
R3336	F 1	W	Residential	85	63	63	63	63	1.8	No
R3339	GF	S	Industrial	n/a	63	62	63	63	1.2	No
R3339	F 1	S	Industrial	n/a	64	63	64	62	1.3	No
R3340	GF	W	Residential	85	62	63	62	63	2.4	No
R3340	F 1	W	Residential	85	63	63	63	63	2.3	No
R3344	GF	W	Residential	85	63	63	63	63	2.3	No
R3346	GF	W	Residential	85	62	63	62	64	3.3	No
R3346	F 1	W	Residential	85	63	64	63	63	2.7	No
R3347	GF	S	Residential	85	67	66	67	66	1.3	No
R3348	GF	W	Residential	85	62	63	62	63	2.1	No
R3348	F 1	W	Residential	85	63	63	63	63	1.7	No
R3349	GF	W	Residential	85	63	63	63	63	2.4	No
R3350	GF	W	Residential	85	67	67	67	71	0.8	No
R3350	F 1	W	Residential	85	72	71	72	67	0.4	No
R3351	GF	W	Residential	85	63	63	63	63	2.3	No
R3352	GF	W	Residential	85	64	64	64	64	2.6	No
R3352	F 1	W	Residential	85	69	69	69	69	0.7	No
R3356	GF	W	Residential	85	62	63	62	63	2.4	No
R3356	F 1	W	Residential	85	63	63	63	63	1.9	No
R3358	GF	E	Residential	85	67	67	67	67	1.3	No
R3359	GF	S	Residential	85	68	68	68	68	0.7	No
R3360	GF	E	Residential	85	70	69	70	69	0.1	No
R3364	GF	E	Residential	85	71	70	71	70	0.6	No
R3366	GF	NW	Residential	85	68	67	67	67	0.9	No
R3368	GF	SE	Residential	85	68	68	68	68	0.8	No
R3373	GF	E	Residential	85	69	68	69	68	1	No
R3374	GF	N	Residential	85	66	66	66	66	1.2	No
R3378	GF	NW	Residential	85	67	67	67	67	0.7	No
R3378	F 1	NW	Residential	85	69	68	69	68	0.4	No
R3381	GF	W	Residential	85	62	63	62	63	2.2	No
R3382	GF	SW	Residential	85	70	69	70	69	0.3	No
R3384	GF	S	Residential	85	68	68	68	68	0.7	No
R3384	F 1	S	Residential	85	71	70	71	71	0.6	No
R3387	GF	SW	Residential	85	70	69	70	69	0.5	No
R3387	F 1	SW	Residential	85	73	72	73	72	0	No
R3388	GF	W	Residential	85	62	62	62	62	2.3	No
R3388	F 1	W	Residential	85	63	63	63	63	2.6	No
R3390	GF	SW	Residential	85	70	70	70	70	0.6	No
R3392	GF	W	Residential	85	62	63	62	63	2.5	No
R3392	F 1	W	Residential	85	63	63	63	63	2.2	No
R3396	GF	W	Residential	85	71	70	71	71	0.6	No
R3396	F 1	W	Residential	85	71	71	71	70	0.3	No
R3397	GF	SE	Residential	85	66	65	66	65	0.7	No
R3398	GF	W	Residential	85	62	62	62	62	2.2	No
R3398	F 1	W	Residential	85	62	63	62	63	1.9	No
R3399	GF	W	Residential	85	72	72	72	72	0.4	No
R3399	F 1	W	Residential	85	73	73	73	73	0	No
R3400	GF	W	Residential	85	71	70	71	70	0.4	No
R3403	GF	W	Residential	85	62	62	62	62	2.3	No
R3403	F 1	W	Residential	85	62	62	62	62	2.2	No
R3405	GF	SW	Residential	85	69	69	69	69	0.5	No
R3406	GF	W	Residential	85	62	63	62	63	2.1	No



Predicted operational noise results (LAmax)

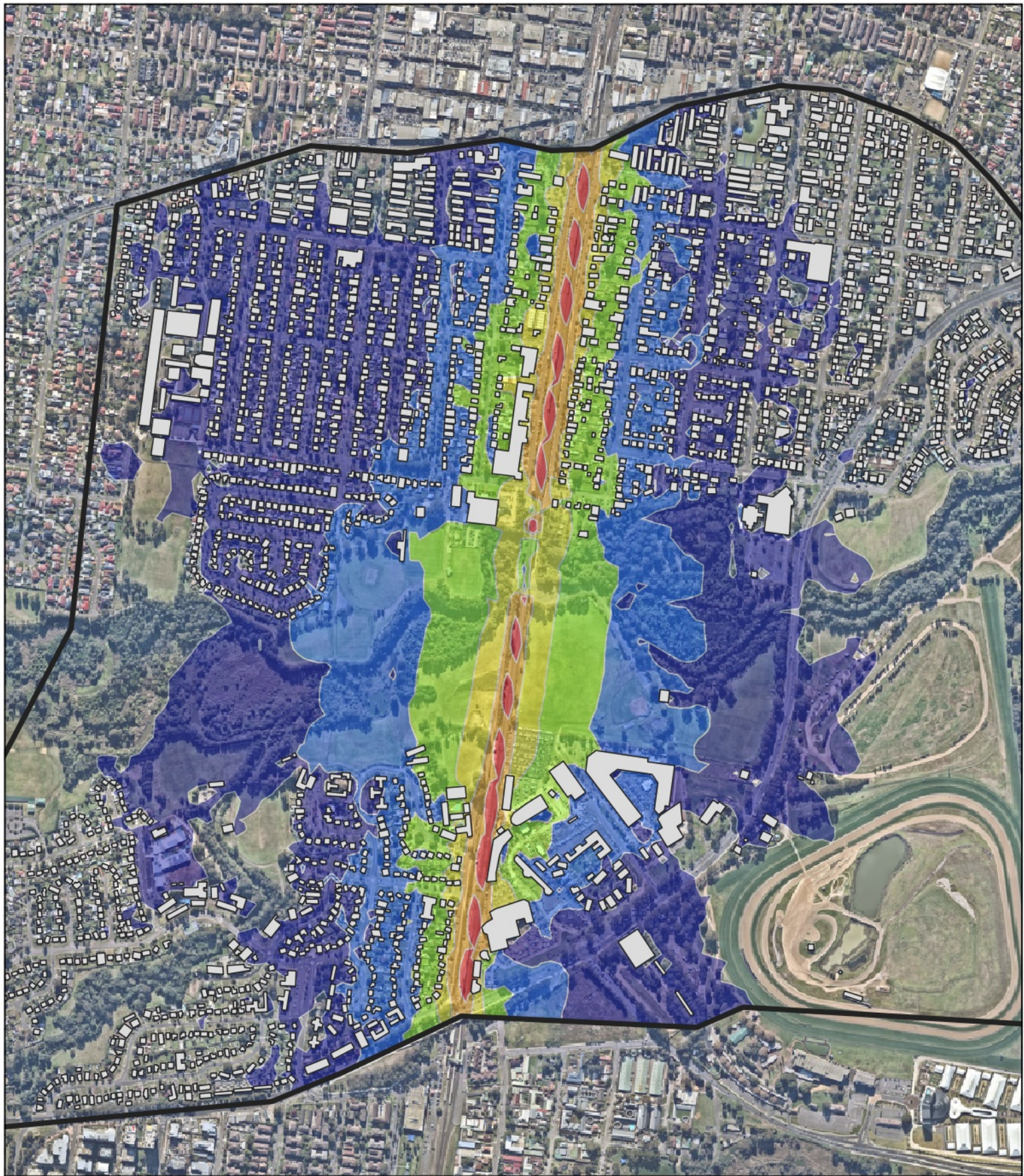
Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3406	F 1	W	Residential	85	63	63	63	63	1.7	No
R3407	GF	S	Residential	85	70	70	70	70	0.6	No
R3411	GF	W	Residential	85	62	62	62	63	2.5	No
R3411	F 1	W	Residential	85	62	63	62	62	2.2	No
R3412	GF	NW	Residential	85	72	72	72	72	0.4	No
R3412	F 1	NW	Residential	85	74	73	73	73	0.3	No
R3413	GF	W	Industrial	n/a	64	64	64	64	1.8	No
R3414	GF	W	Residential	85	62	62	62	63	2.1	No
R3414	F 1	W	Residential	85	62	63	62	62	1.9	No
R3416	GF	SW	Residential	85	72	72	72	72	0.3	No
R3421	GF	W	Residential	85	69	69	69	73	0.4	No
R3421	F 1	W	Residential	85	73	73	73	69	0.2	No
R3422	GF	SW	Residential	85	68	68	68	68	0.4	No
R3426	GF	W	Residential	85	62	63	62	63	2.7	No
R3426	F 1	W	Residential	85	63	63	63	63	2.4	No
R3428	GF	NW	Residential	85	70	70	70	70	0.5	No
R3430	GF	S	Residential	85	71	71	71	71	0.2	No
R3430	F 1	S	Residential	85	72	72	72	72	0.2	No
R3432	GF	W	Residential	85	71	70	71	70	0.2	No
R3433	GF	SE	Residential	85	66	65	66	65	0.7	No
R3436	GF	NW	Residential	85	69	69	69	69	0.8	No
R3436	F 1	NW	Residential	85	73	72	73	72	0.1	No
R3438	GF	W	Residential	85	71	71	71	70	0.2	No
R3440	GF	W	Residential	85	62	62	62	62	2.2	No
R3445	GF	W	Residential	85	71	71	71	71	0.5	No
R3446	GF	S	Residential	85	61	62	61	62	2.5	No
R3448	GF	S	Residential	85	60	61	60	61	3.4	No
R3448	F 1	S	Residential	85	62	62	62	62	1.1	No
R3450	GF	SE	Residential	85	65	65	65	65	1.1	No
R3451	GF	W	Residential	85	61	62	61	62	2.2	No
R3452	GF	W	Residential	85	69	69	69	69	0.7	No
R3454	GF	S	Residential	85	70	70	70	70	0.2	No
R3457	GF	NW	Residential	85	69	69	69	69	0.6	No
R3459	GF	W	Residential	85	69	69	69	69	0.5	No
R3466	GF	NW	Residential	85	71	71	71	72	0.1	No
R3466	F 1	NW	Residential	85	72	72	72	71	0.4	No
R3467	GF	S	Residential	85	61	62	61	62	2	No
R3467	F 1	S	Residential	85	61	61	61	61	1.2	No
R3468	GF	NW	Residential	85	67	67	67	67	0.4	No
R3468	F 1	NW	Residential	85	69	69	69	69	0.4	No
R3469	GF	W	Residential	85	71	71	71	71	0.5	No
R3470	GF	W	Residential	85	62	62	62	62	2.4	No
R3470	F 1	W	Residential	85	62	63	62	63	2.1	No
R3471	GF	NW	Residential	85	70	70	70	70	0	No
R3471	F 1	NW	Residential	85	69	69	69	69	0.4	No
R3475	GF	S	Residential	85	70	69	70	69	0.3	No
R3476	GF	W	Residential	85	62	62	62	62	2.4	No
R3478	GF	NW	Residential	85	71	71	71	71	0.2	No
R3481	GF	W	Residential	85	72	72	72	72	0.3	No
R3482	GF	W	Residential	85	73	72	73	72	0.2	No
R3482	F 1	W	Residential	85	73	72	73	72	0.5	No
R3483	GF	SW	Residential	85	69	69	69	69	0.8	No
R3484	GF	W	Residential	85	71	71	71	71	0.5	No
R3486	GF	SW	Residential	85	65	66	65	66	1.6	No
R3487	GF	SE	Industrial	n/a	64	64	64	64	0.9	No
R3488	GF	W	Residential	85	62	62	62	62	2.6	No

Predicted operational noise results (LAmax)

Receiver	Floor	Façade	Receiver type	Noise Criteria LAmax	2023 NoBuild (24hr)	2023 Build (24hr)	2033 NoBuild (24hr)	2033 Build (24hr)	Increase (2033, with wall) Build-No build (24h)	Qualifies for additional mitigation?
					Lmax	Lmax	Lmax	Lmax	dB	
R3494	GF	NW	Residential	85	69	69	70	71	0.4	No
R3494	F 1	NW	Residential	85	71	71	71	69	0.6	No
R3496	GF	W	Residential	85	66	66	66	68	0.8	No
R3496	F 1	W	Residential	85	69	68	69	66	0.6	No
R3498	GF	SE	Residential	85	65	65	65	65	1	No
R3499	GF	W	Residential	85	61	61	61	61	2.1	No
R3499	F 1	W	Residential	85	63	62	63	62	0.7	No
R3503	GF	NW	Residential	85	70	69	70	73	0.5	No
R3503	F 1	NW	Residential	85	73	73	73	69	0.4	No
R3507	GF	NW	Residential	85	70	70	70	72	0.3	No
R3507	F 1	NW	Residential	85	72	72	72	70	0.2	No
R3509	GF	W	Residential	85	62	62	62	62	1.8	No
R3509	F 1	W	Residential	85	60	60	60	60	1.7	No
R3513	GF	SE	Residential	85	64	64	64	64	0.6	No
R3517	GF	NW	Residential	85	69	69	69	69	0.4	No
R3520	GF	W	Residential	85	67	67	68	67	0.5	No
R3523	GF	W	Residential	85	61	61	61	61	2.8	No
R3527	GF	NW	Residential	85	63	64	63	64	1.9	No
R3532	GF	NW	Residential	85	65	65	65	65	1	No
R3532	F 1	NW	Residential	85	71	71	71	71	0.2	No
R3535	GF	S	Residential	85	64	64	64	64	0.9	No
R3537	GF	SW	Residential	85	64	64	65	64	0.9	No
R3541	GF	SW	Residential	85	63	62	63	63	0.7	No
R3541	F 1	SW	Residential	85	66	65	66	65	0.8	No
R3548	GF	SW	Industrial	n/a	61	62	61	62	3	No
R3550	GF	W	Residential	85	61	63	61	63	3.6	No
R3552	GF	S	Residential	85	59	59	59	59	1.2	No
R3556	GF	SW	Residential	85	63	63	64	63	0.1	No
R3556	F 1	SW	Residential	85	64	64	64	64	0.1	No
R3557	GF	S	Residential	85	63	64	63	64	1.4	No
R3561	GF	SW	Residential	85	62	63	62	63	2.4	No
R3561	F 1	SW	Residential	85	67	67	67	67	0.9	No
R3567	GF	W	Residential	85	62	62	62	65	1.8	No
R3567	F 1	W	Residential	85	65	65	65	62	0.9	No
R3569	GF	W	Residential	85	60	62	60	62	3.7	No
R3570	GF	SW	Residential	85	62	62	62	62	1.8	No
R3577	GF	S	Residential	85	60	62	60	62	3.3	No
R3578	GF	S	Residential	85	60	62	60	62	2.8	No
R3579	GF	NW	Residential	85	59	61	59	62	3.2	No
R3579	F 1	NW	Residential	85	62	62	62	61	2.6	No
R3586	GF	S	Residential	85	60	62	60	62	3.7	No
R3589	GF	NW	Residential	85	60	61	60	61	3.4	No
R3595	GF	SW	Residential	85	61	62	61	64	3.3	No
R3595	F 1	SW	Residential	85	64	64	64	62	1.8	No
R3597	GF	S	Residential	85	61	61	61	61	2.4	No
R3602	GF	S	Residential	85	60	61	60	61	3.1	No
R3602	F 1	S	Residential	85	62	61	62	61	1.7	No
R3609	GF	S	Residential	85	58	60	58	60	3.1	No

## Appendix E: Operational Noise Level Contours ( $L_{Aeq}$ , Day)





**CABRAMATTA LOOP  
FIGURE E1**

**Legend**

No Build 2023 Day  Study area  
Noise Contours  
LAeq (15 hour)

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)

PROJECT NUMBER S210520  
DRAWN BY MS  
CHECKED BY AP  
DATE ISSUED November 2021  
CLIENT Fulton Hogan  
RECEIVER HEIGHT 1.5 m  
IMAGERY (c) Nearmap  
PAGE SIZE A3



100 200 300 400 500 m

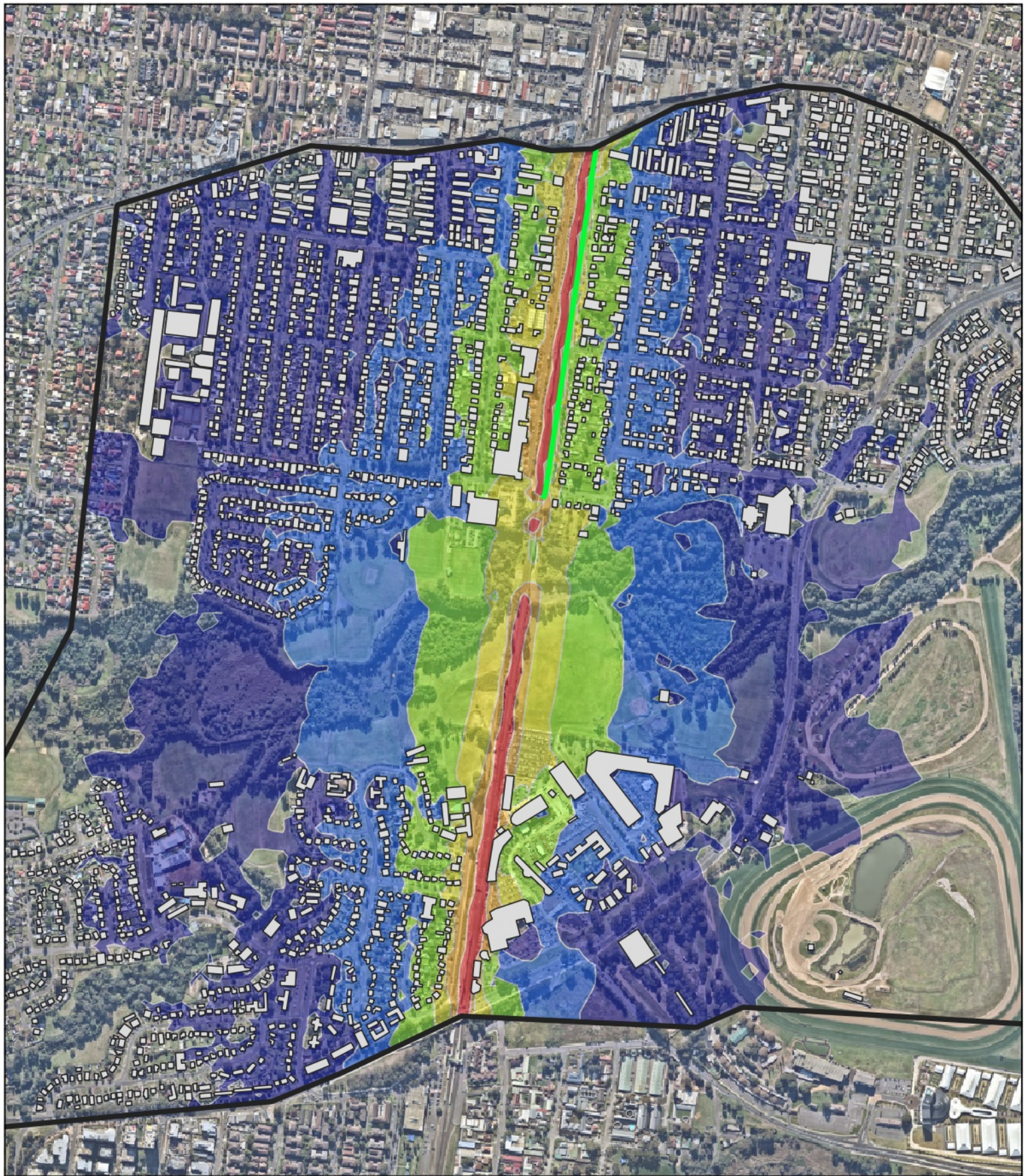


AGD 1966 ISG 56 1

**Resonate**

www.resonate-consultants.com







**CABRAMATTA LOOP  
FIGURE E2**

**Legend**

Build 2023 Day  
Noise Contours  
LAeq (15 hour)

 Study area  
 Noise barrier

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)



100 200 300 400 500 m



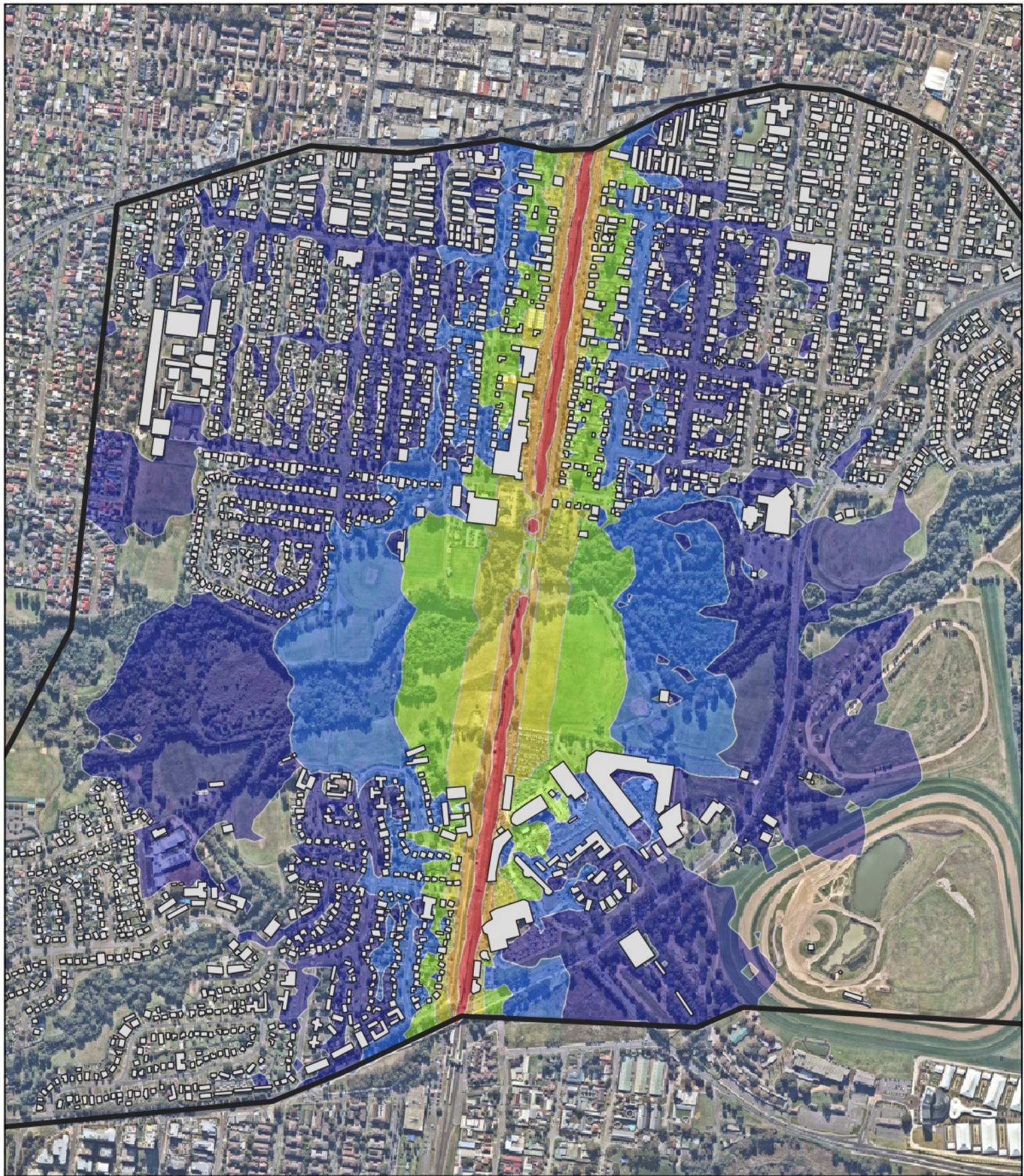
AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
DRAWN BY MS  
CHECKED BY AP  
DATE ISSUED November 2021  
CLIENT Fulton Hogan  
RECEIVER HEIGHT 1.5 m  
IMAGERY (c) Nearmap  
PAGE SIZE A3

**Resonate**

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**CABRAMATTA LOOP  
FIGURE E3**

**Legend**

No Build 2033 Day  Study area

Noise Contours

LAeq (15 hour)

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)



100 200 300 400 500 m



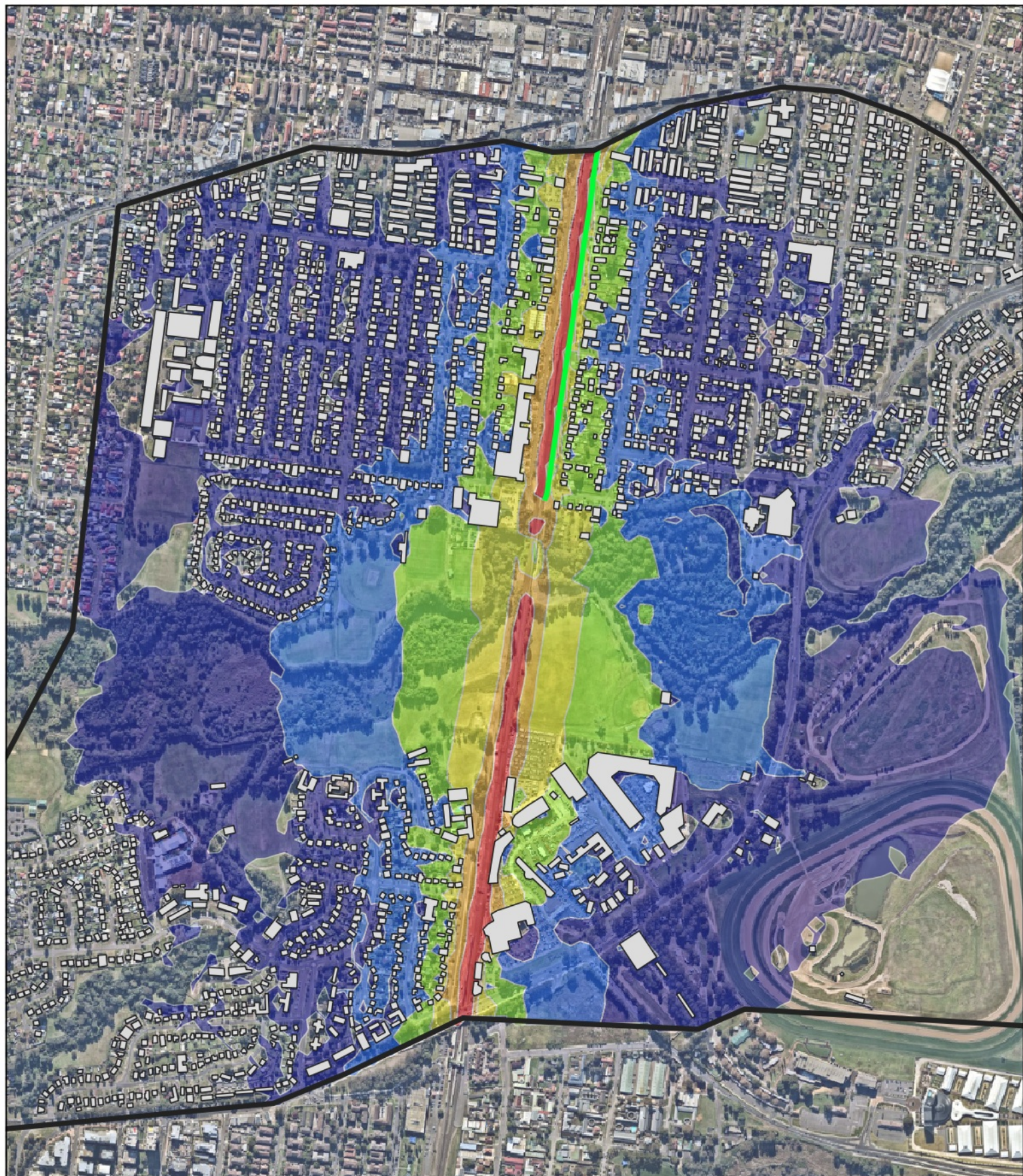
AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

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


**CABRAMATTA LOOP  
FIGURE E4**

**Legend**

Build 2033 Day  
Noise Contours  
LAeq (15 hour)

 Study area  
 Noise barrier

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)



100 200 300 400 500 m



AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
DRAWN BY MS  
CHECKED BY AP  
DATE ISSUED November 2021  
CLIENT Fulton Hogan  
RECEIVER HEIGHT 1.5 m  
IMAGERY (c) Nearmap  
PAGE SIZE A3

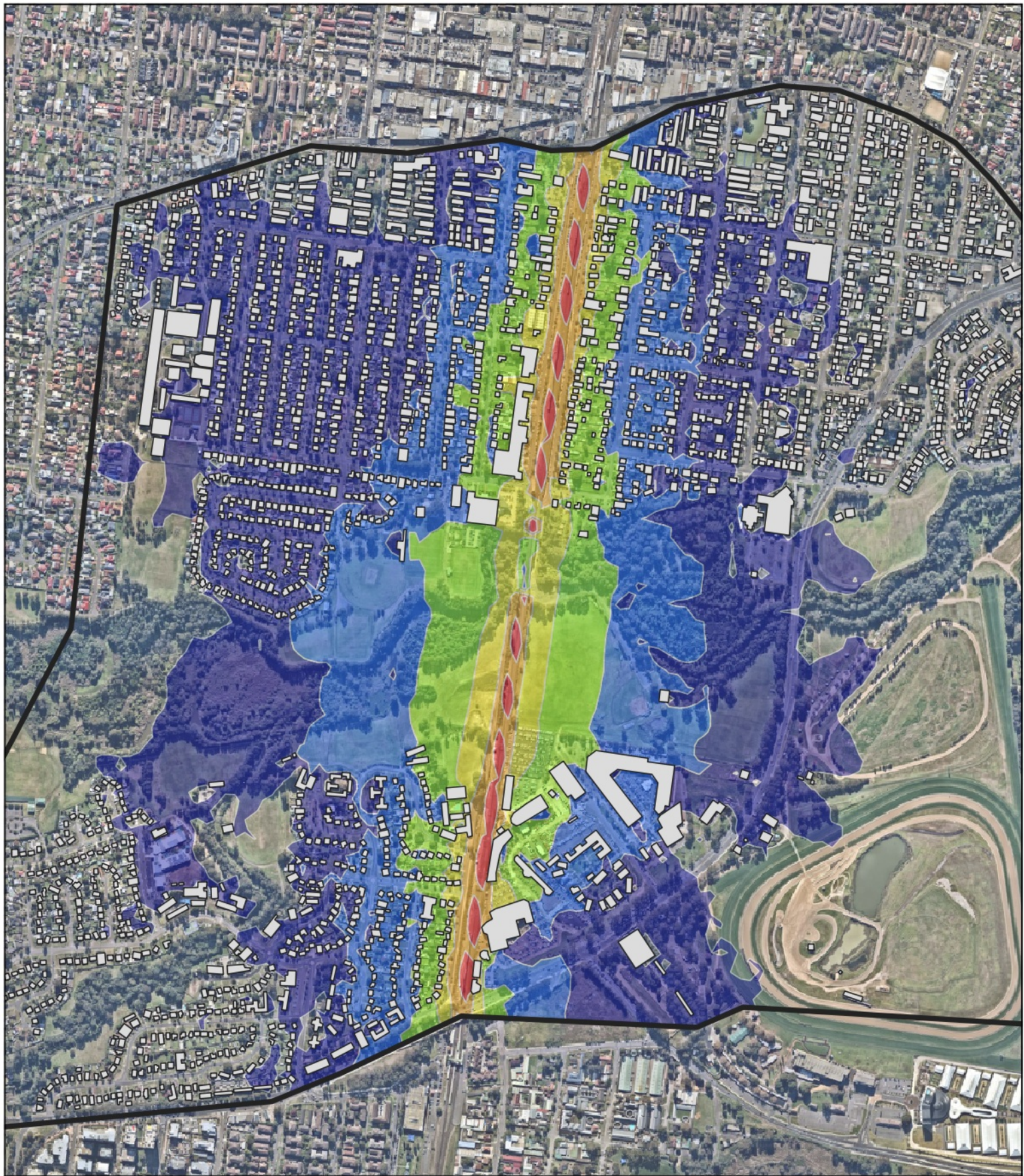
**Resonate**

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## Appendix F: Operational Noise Level Contours ( $L_{Aeq}$ , Night)








**CABRAMATTA LOOP  
FIGURE F1**

**Legend**

No Build 2023 Night  Study area  
Noise Contours  
LAeq (9 hour)

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)

PROJECT NUMBER S210520  
DRAWN BY MS  
CHECKED BY AP  
DATE ISSUED November 2021  
CLIENT Fulton Hogan  
RECEIVER HEIGHT 1.5 m  
IMAGERY (c) Nearmap  
PAGE SIZE A3



100 200 300 400 500 m

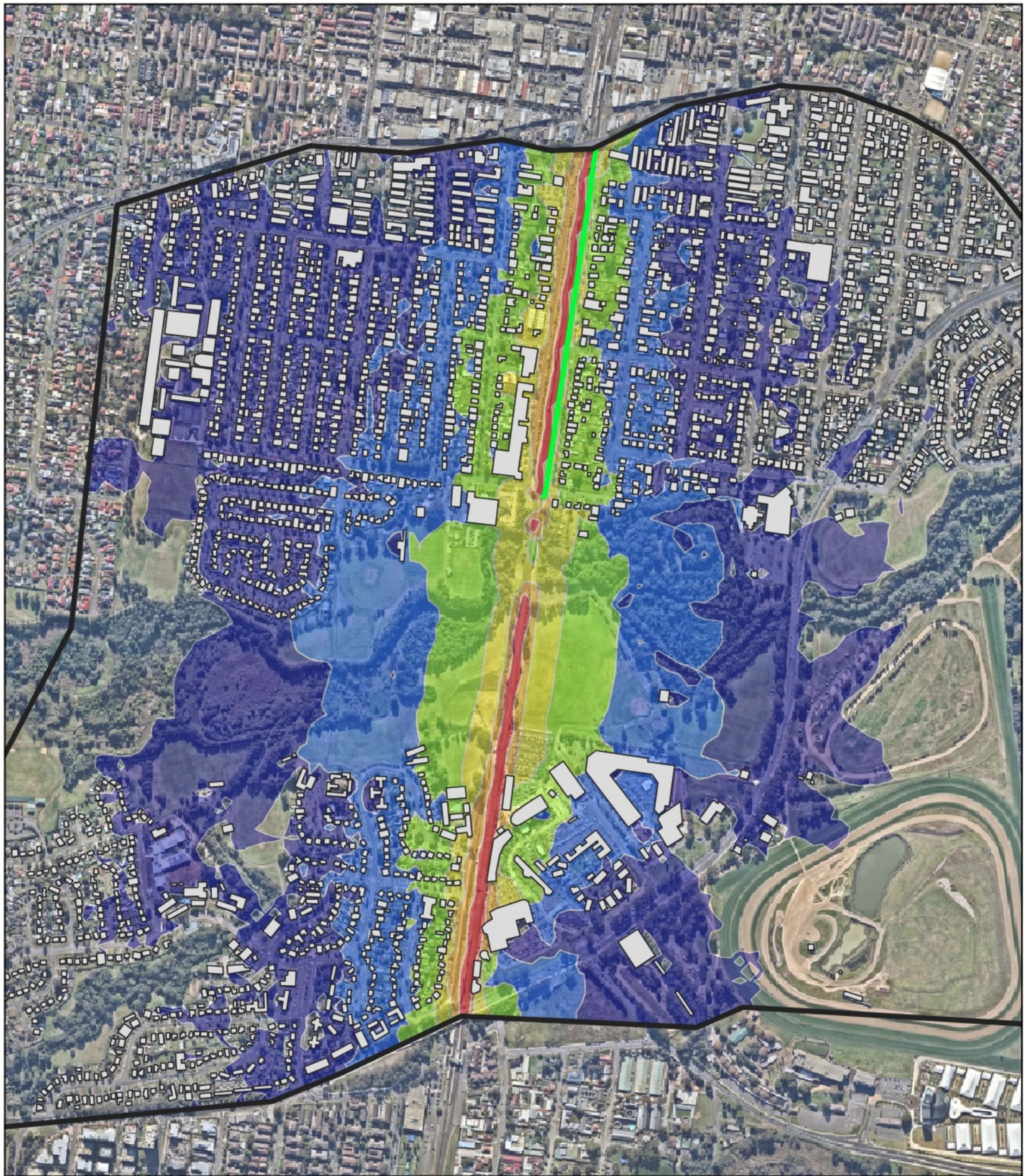


AGD 1966 ISG 56 1

**Resonate**

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**CABRAMATTA LOOP  
FIGURE F2**

**Legend**

Build 2023 Night  
Noise Contours  
LAeq (9 hour)

- 45 - 50 dB(A)
- 50 - 55 dB(A)
- 55 - 60 dB(A)
- 60 - 65 dB(A)
- 65 - 70 dB(A)
- >70 dB(A)

- Study area
- Noise barrier



100 200 300 400 500 m



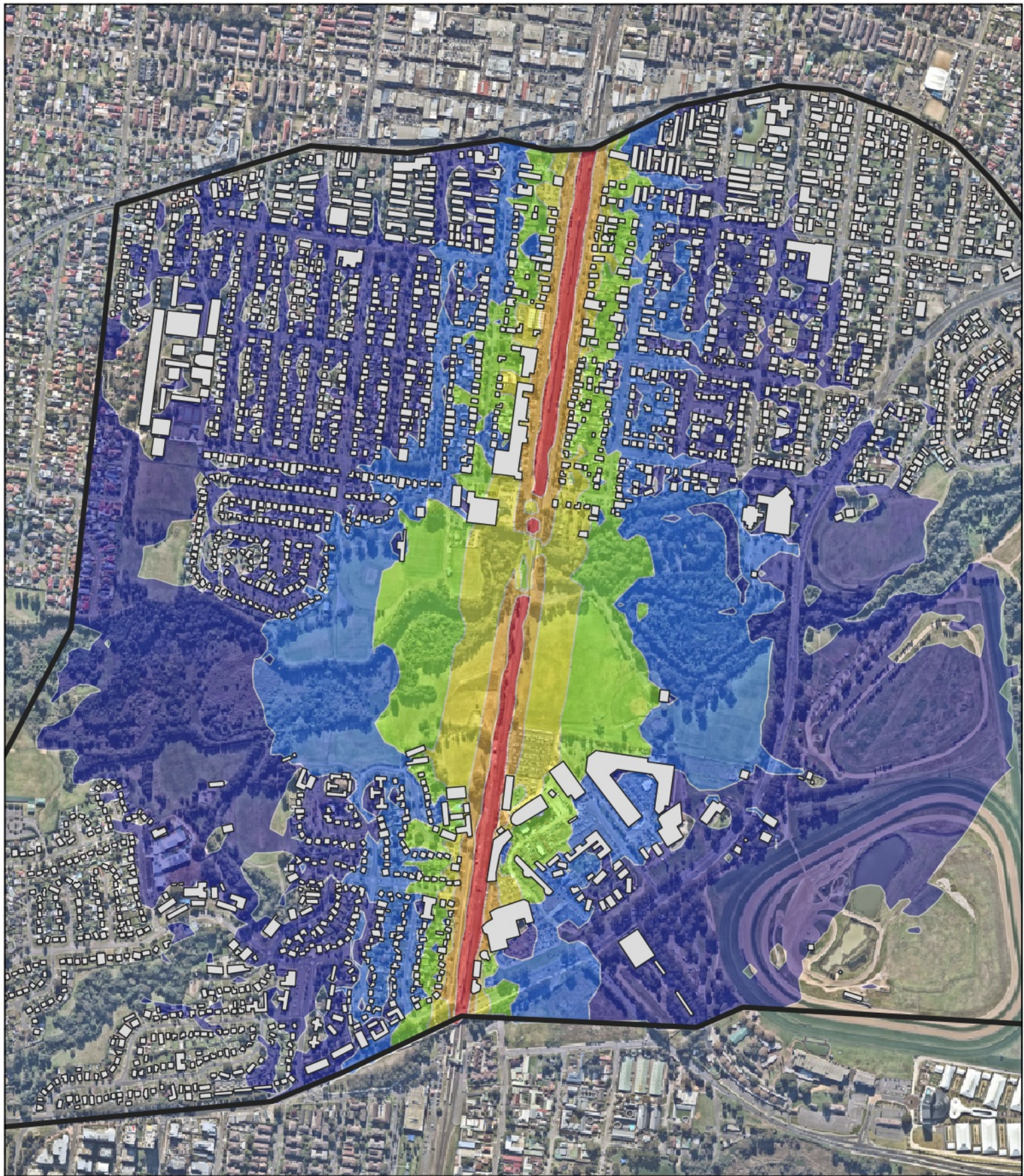
AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

**Resonate**

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




**CABRAMATTA LOOP  
FIGURE F3**

**Legend**

No Build 2033 Night  Study area  
Noise Contours  
LAeq (9 hour)

-  45 - 50 dB(A)
-  50 - 55 dB(A)
-  55 - 60 dB(A)
-  60 - 65 dB(A)
-  65 - 70 dB(A)
-  >70 dB(A)



100 200 300 400 500 m



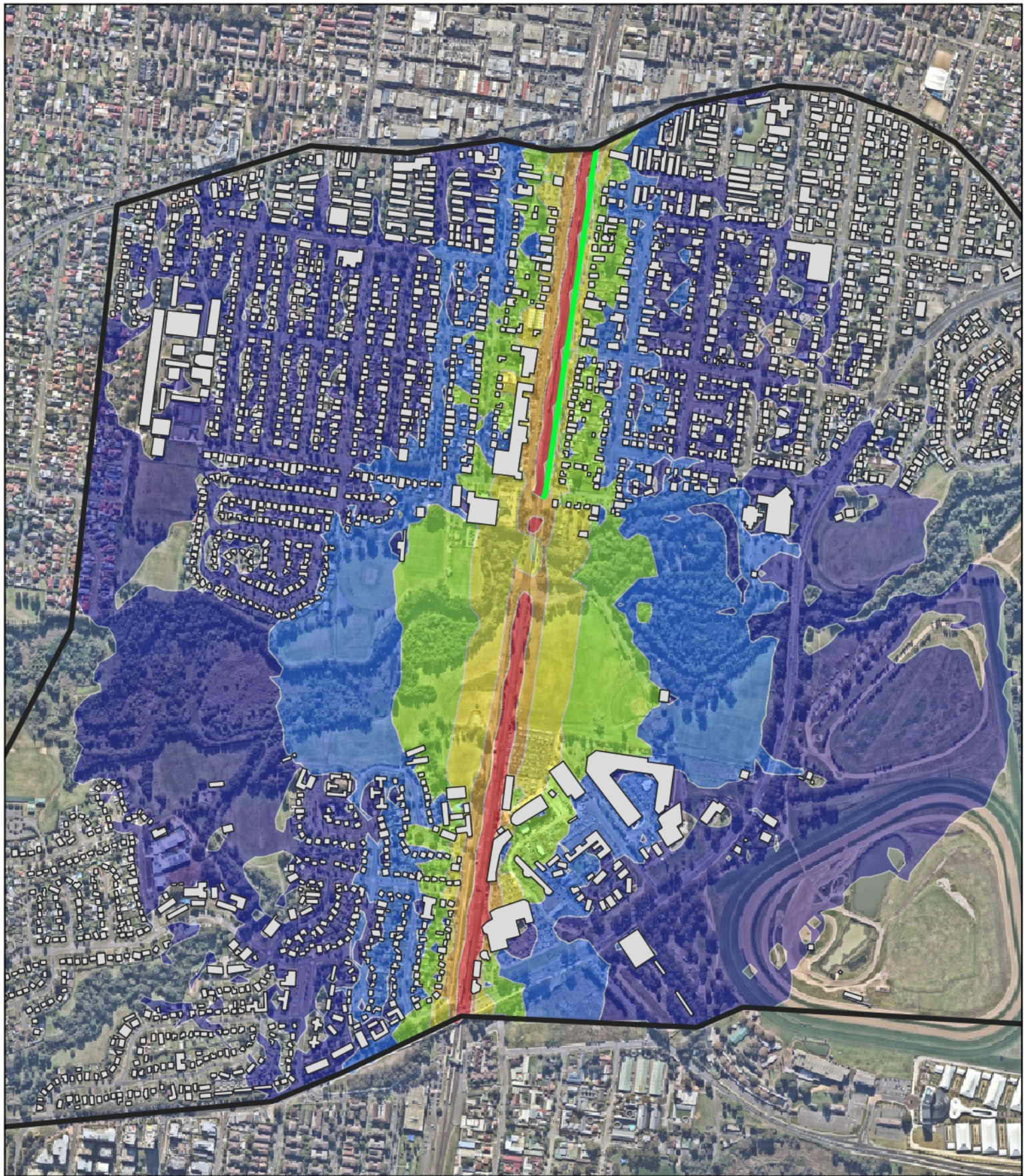
AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
DRAWN BY MS  
CHECKED BY AP  
DATE ISSUED November 2021  
CLIENT Fulton Hogan  
RECEIVER HEIGHT 1.5 m  
IMAGERY (c) Nearmap  
PAGE SIZE A3

**Resonate**

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**CABRAMATTA LOOP  
FIGURE F4**

**Legend**

Build 2033 Night  
Noise Contours  
LAeq (9 hour)

- 45 - 50 dB(A)
- 50 - 55 dB(A)
- 55 - 60 dB(A)
- 60 - 65 dB(A)
- 65 - 70 dB(A)
- >70 dB(A)

- Study area
- Noise barrier



100 200 300 400 500 m



AGD 1966 ISG 56 1

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

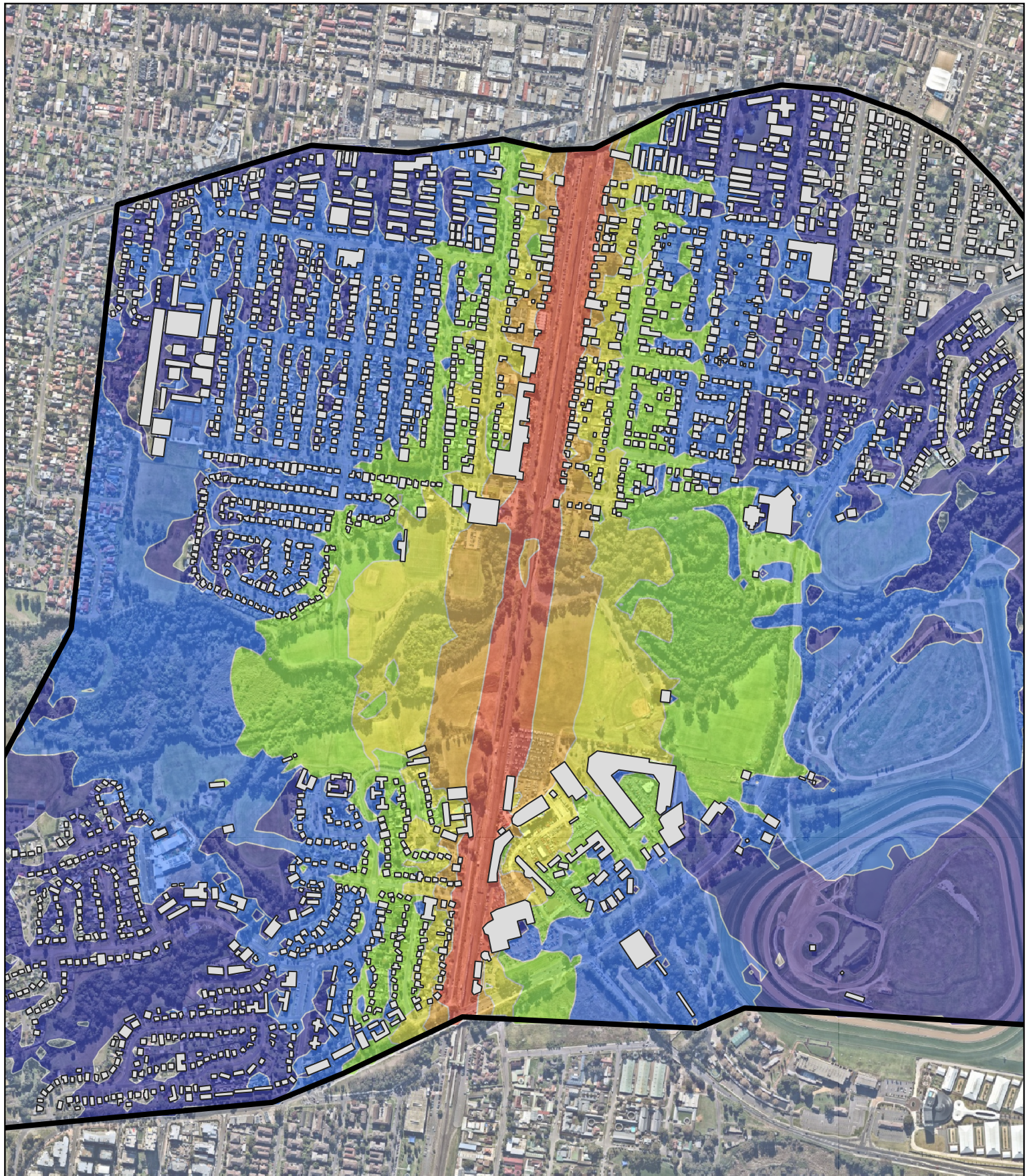
**Resonate**

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## Appendix G: Operational Noise Level Contours ( $L_{Amax}$ )






**CABRAMATTA LOOP  
FIGURE G1**







No Build 2023 LMax

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

**Legend**

Noise Contours  
 No Build 2023 LMax

 Study area

-  65 - 70 dB(A)
-  70 - 75 dB(A)
-  75 - 80 dB(A)
-  80 - 85 dB(A)
-  85 - 90 dB(A)
-  >90 dB(A)



100 200 300 400 500 m

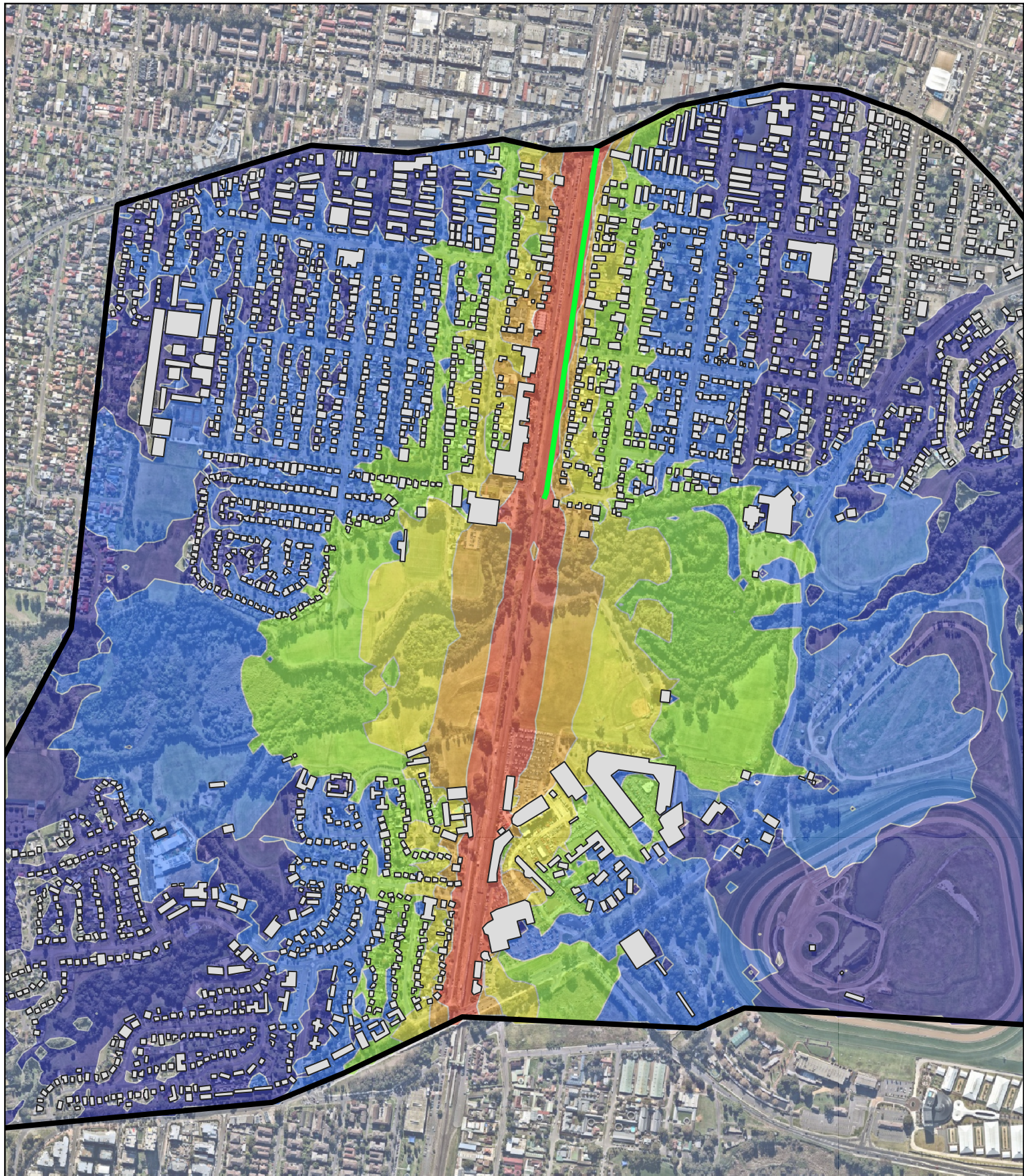


AGD 1966 ISG 56 1

**Resonate**

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**CABRAMATTA LOOP  
FIGURE G2**

Build 2023 LMax

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

**Legend**

Noise Contours  
 Build 2023 LMax

- 65 - 70 dB(A)
- 70 - 75 dB(A)
- 75 - 80 dB(A)
- 80 - 85 dB(A)
- 85 - 90 dB(A)
- >90 dB(A)

Noise barrier

Study area



100 200 300 400 500 m

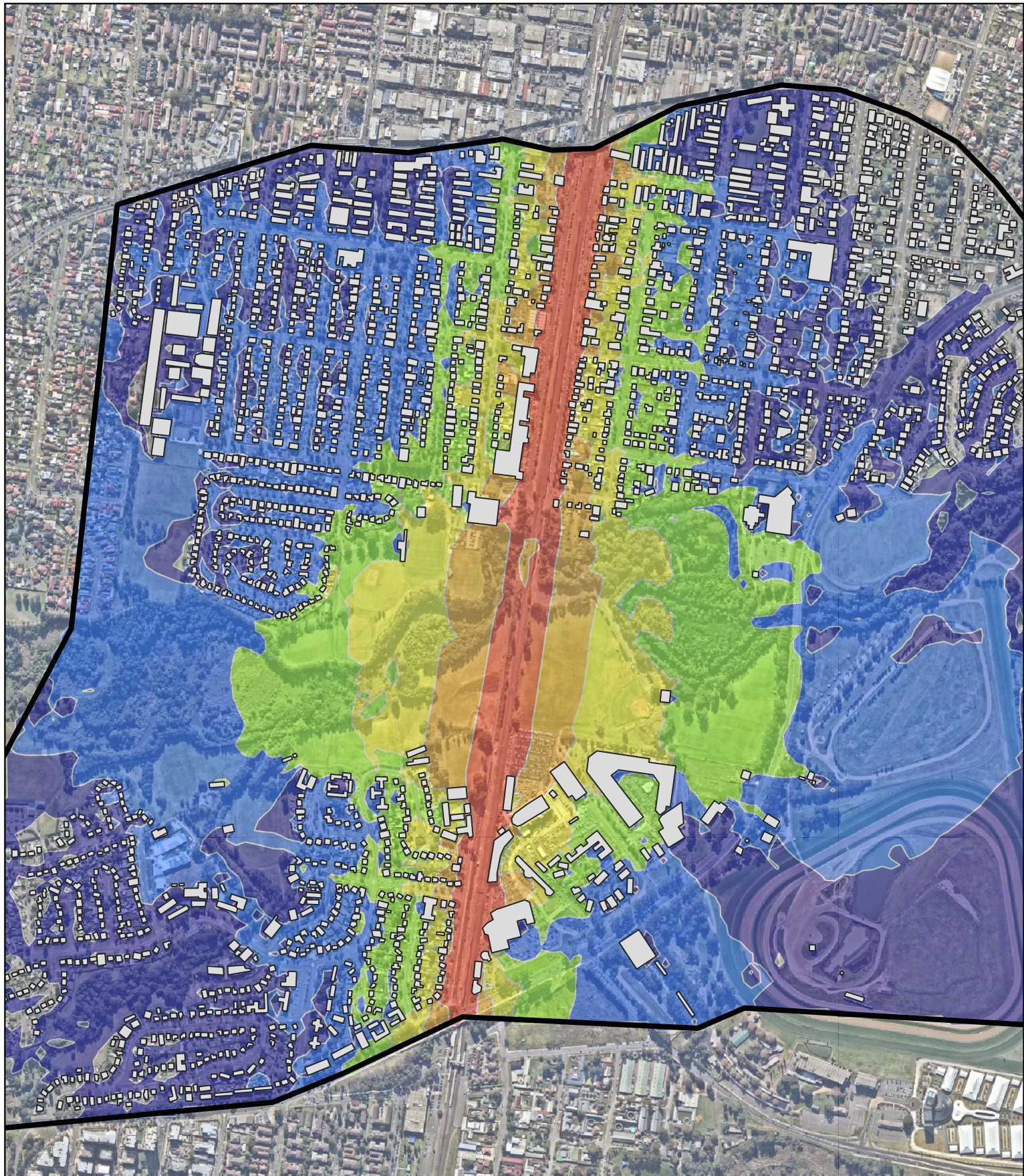


AGD 1966 ISG 56 1

**Resonate**

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**CABRAMATTA LOOP  
FIGURE G3**

No Build 2033 LMax

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

**Legend**

Noise Contours  
 No Build 2033 LMax

- 65 - 70 dB(A)
- 70 - 75 dB(A)
- 75 - 80 dB(A)
- 80 - 85 dB(A)
- 85 - 90 dB(A)
- >90 dB(A)

Study area



100 200 300 400 500 m

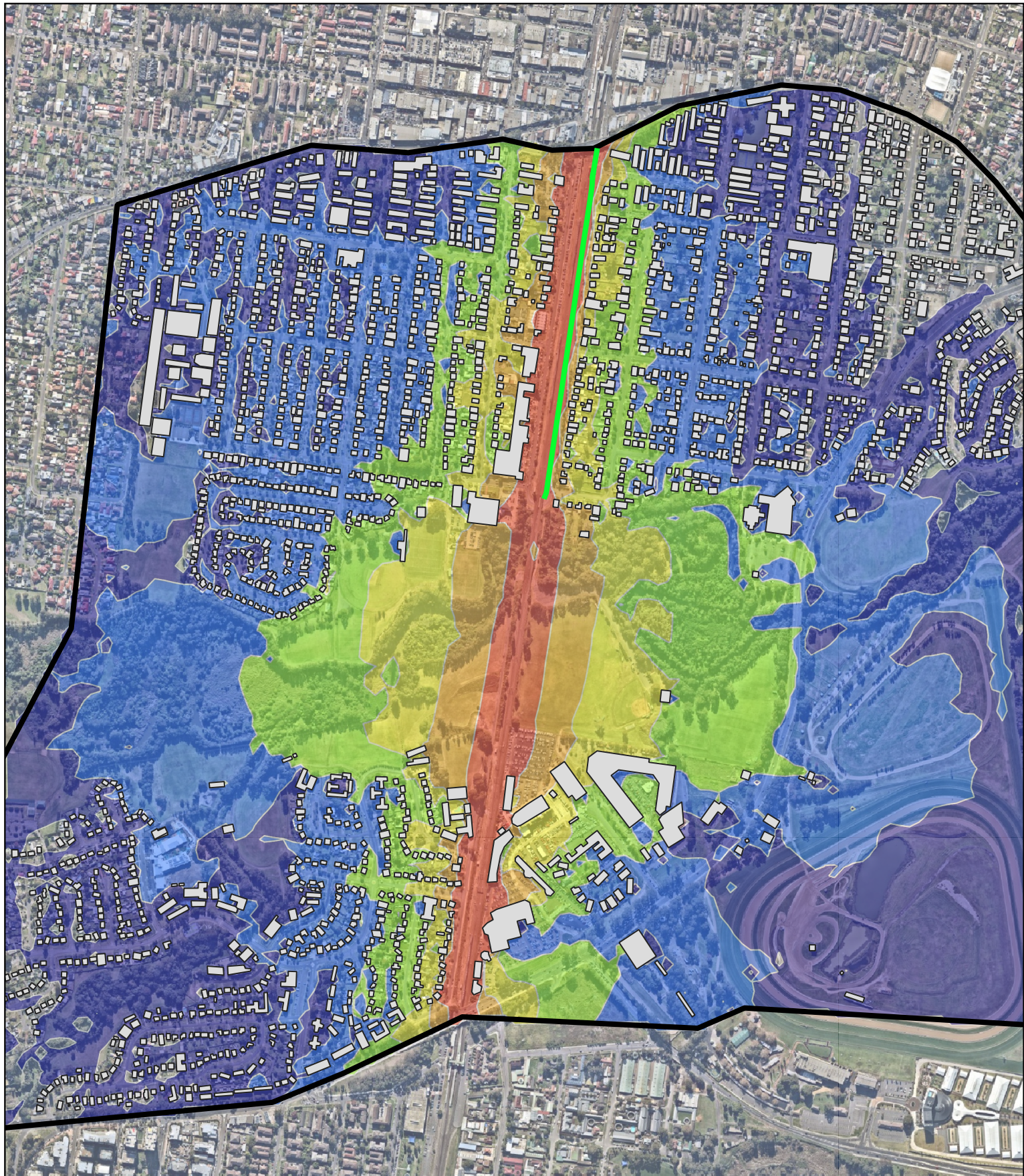


AGD 1966 ISG 56 1

**Resonate**

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**CABRAMATTA LOOP  
FIGURE G4**

Build 2033 LMax

PROJECT NUMBER S210520  
 DRAWN BY MS  
 CHECKED BY AP  
 DATE ISSUED November 2021  
 CLIENT Fulton Hogan  
 RECEIVER HEIGHT 1.5 m  
 IMAGERY (c) Nearmap  
 PAGE SIZE A3

**Legend**

Noise Contours  
 Build 2033 LMax

- 65 - 70 dB(A)
- 70 - 75 dB(A)
- 75 - 80 dB(A)
- 80 - 85 dB(A)
- 85 - 90 dB(A)
- >90 dB(A)

Noise barrier

Study area



100 200 300 400 500 m



AGD 1966 ISG 56 1

**Resonate**

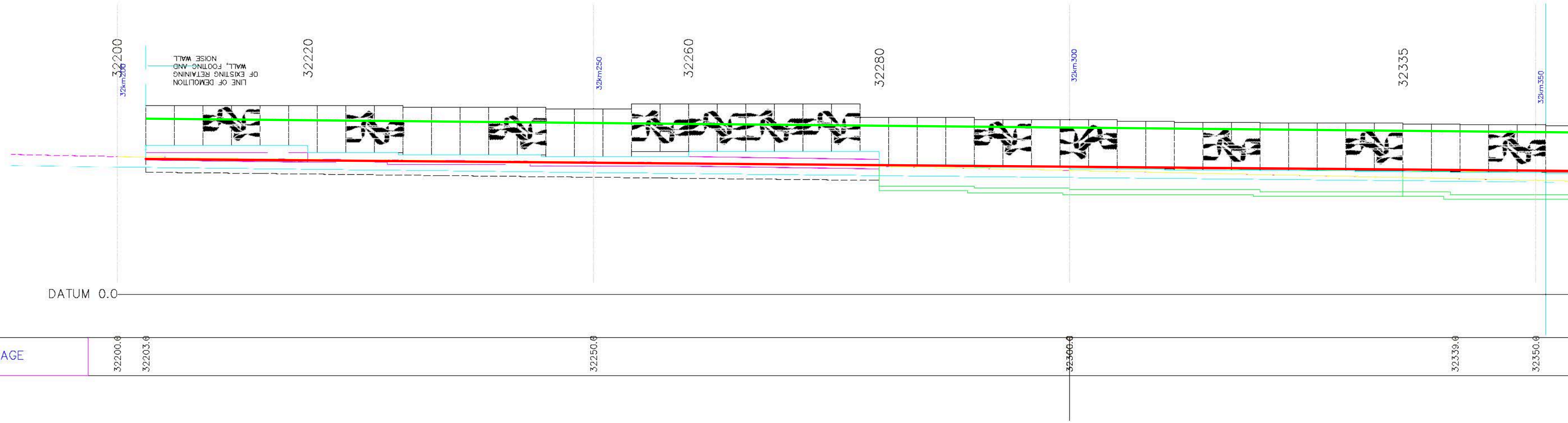
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## Appendix H: Noise Barrier Height in Relation to Top of Rail

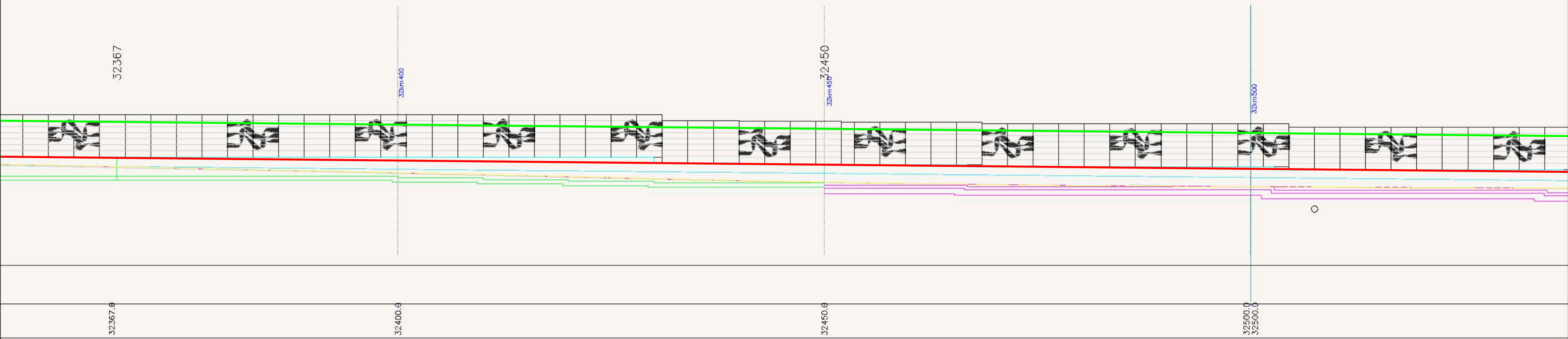
# LEGEND

- DESIGN LEVEL- 4.2m OFFSET FROM TRACK LEVEL —
- DESIGN LEVEL- BROOMFIELD - - -
- DESIGN LEVEL- RAIL CORRIDOR —
- DESIGN LEVEL- TRACK LEVEL —



# LEGEND

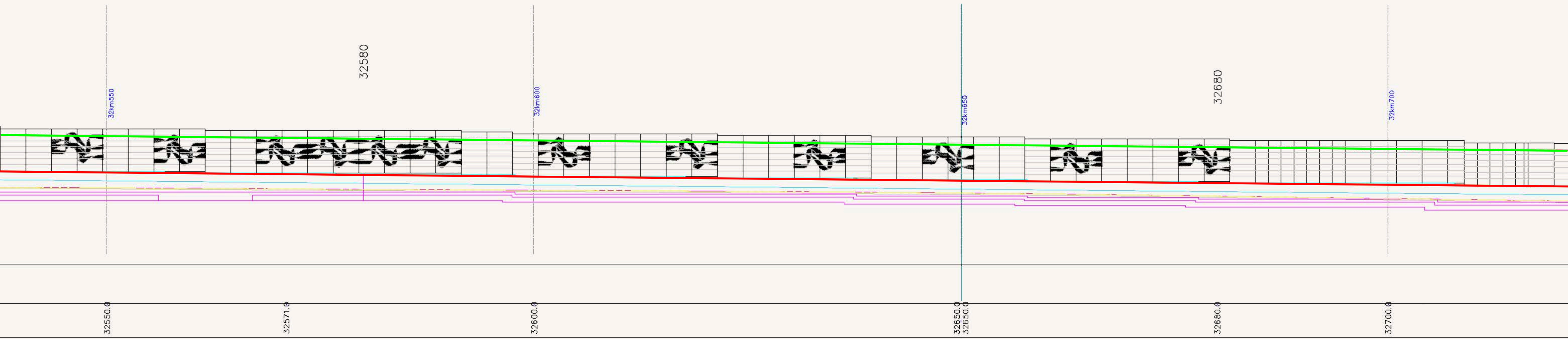
- DESIGN LEVEL- 4.2m OFFSET FROM TRACK LEVEL
- DESIGN LEVEL- BROOMFIELD
- DESIGN LEVEL- RAIL CORRIDOR
- DESIGN LEVEL- TRACK LEVEL





# LEGEND

- DESIGN LEVEL- 4.2m OFFSET FROM TRACK LEVEL
- DESIGN LEVEL- BROOMFIELD
- DESIGN LEVEL- RAIL CORRIDOR
- DESIGN LEVEL- TRACK LEVEL



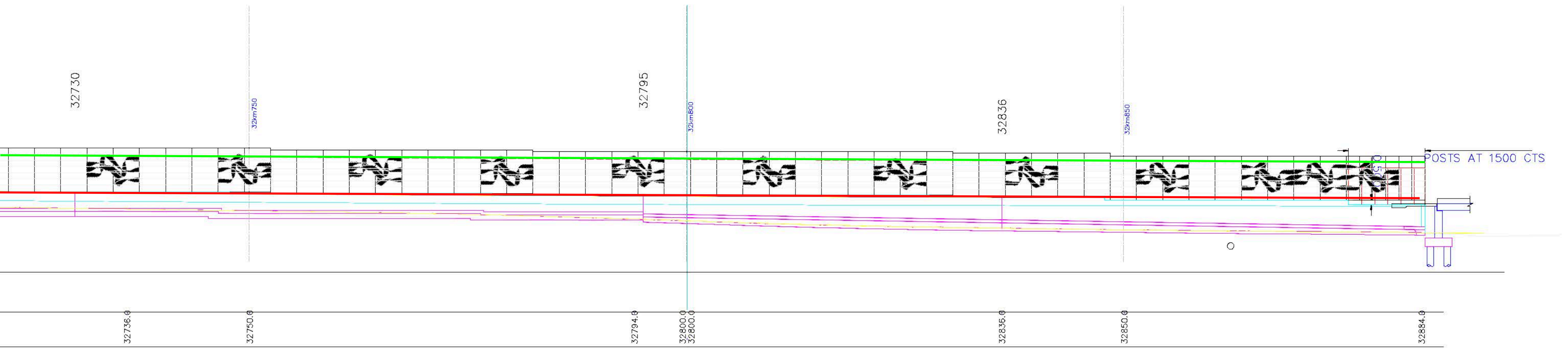
# LEGEND

DESIGN LEVEL- 4.2m OFFSET FROM TRACK LEVEL

DESIGN LEVEL- BROOMFIELD

DESIGN LEVEL- RAIL CORRIDOR

DESIGN LEVEL- TRACK LEVEL



## **Appendix I: Council Consultation Evidence**



**CLP – Fairfield City Council – ONVR Presentation**

**Meeting Date:** 28.10.2021

**Meeting Time:** 11:00am to 12:00pm

**Location:** Microsoft Teams

**Attendees**

Alison Mortimer (FCC) AM

Nicolas Formichella (FH) NF

Hadi Johan (ARTC) HJ

Melinda Leow (FH) ML

Rhode Liang (ARTC) RL - part

Andrew Parker (Res) AP

Ahmad Faizi (FCC) AF

Marc Schluessel (Res) MS

Jessica Spence (ARTC) JS

Item No.	Comment	Action (date raised)	Due Date
<b>1</b>	<b>ONVR Presentation</b>		
a)	<ul style="list-style-type: none"> <li>Meeting called to present the status of the Operational Noise and Vibration Assessment</li> <li>AP presented the ONVR and slideshow (attached)</li> </ul>	Note	
b)	<ul style="list-style-type: none"> <li>ONVR is a planning requirement, included as a condition of approval (CoA) for the project. The operational noise, and spells out the requirements for assessing noise and vibration impacts from the project during the operational stage.</li> </ul>	Note	
c)	<ul style="list-style-type: none"> <li>AP presented the assessment criteria as applied for the project</li> </ul>	Note	
d)	<ul style="list-style-type: none"> <li>AP confirmed that there are no local property treatments identified in the current assessment.</li> </ul>	Note	
e)	Airborne noise assessment guideline – “Rail Infrastructure Noise Guideline” adopted for the ONVR to determine the predicted outcomes of the project.	Note Note	
f)	<ul style="list-style-type: none"> <li>Under the planning approval – the ONVR does not require consultation under the EPA. The regulatory authority is the department of planning and it gets submitted for approval.</li> </ul>	Note	
<b>2</b>	<b>Council Questions</b>		
a)	<ul style="list-style-type: none"> <li>Ahmad Faizi questioned the CNVMP regarding night works. ML confirmed that all night works notifications go out to the public for all the planned night works. ML confirmed next notification to be sent out next November for the rail corridor works, but this requirement is not covered within the ONVR.</li> </ul>	Note	
b)	<ul style="list-style-type: none"> <li>Under the planning approval – the ONVR does not require consultation under the EPA. The regulatory authority is the department of planning and it gets submitted for approval.</li> </ul>	Note	
c)	<ul style="list-style-type: none"> <li>AF stated at this stage there are no objections to the proposed approach, and had no questions to raise. AF will undertake a review of the current report and advise if there any comments. Will required a 2 -3 week timing for review.</li> </ul>	AF	18/11/21
d)	<ul style="list-style-type: none"> <li></li> </ul>		
e)	<ul style="list-style-type: none"> <li></li> </ul>		
<b>3</b>	<b>Review and Comments</b>		
a)	<ul style="list-style-type: none"> <li>NF to issue a copy of the latest ONVR to review with the meeting minutes</li> </ul>	Note	
b)		Note	
<b>4</b>	<b>Other business</b>		
a)	<ul style="list-style-type: none"> <li></li> </ul>		
b)	<ul style="list-style-type: none"> <li></li> </ul>		

Recorded by: NF  
Meeting Closed: 11:45am

---

# Cabramatta Loop Project

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## Operational Noise and Vibration Review (ONVR)

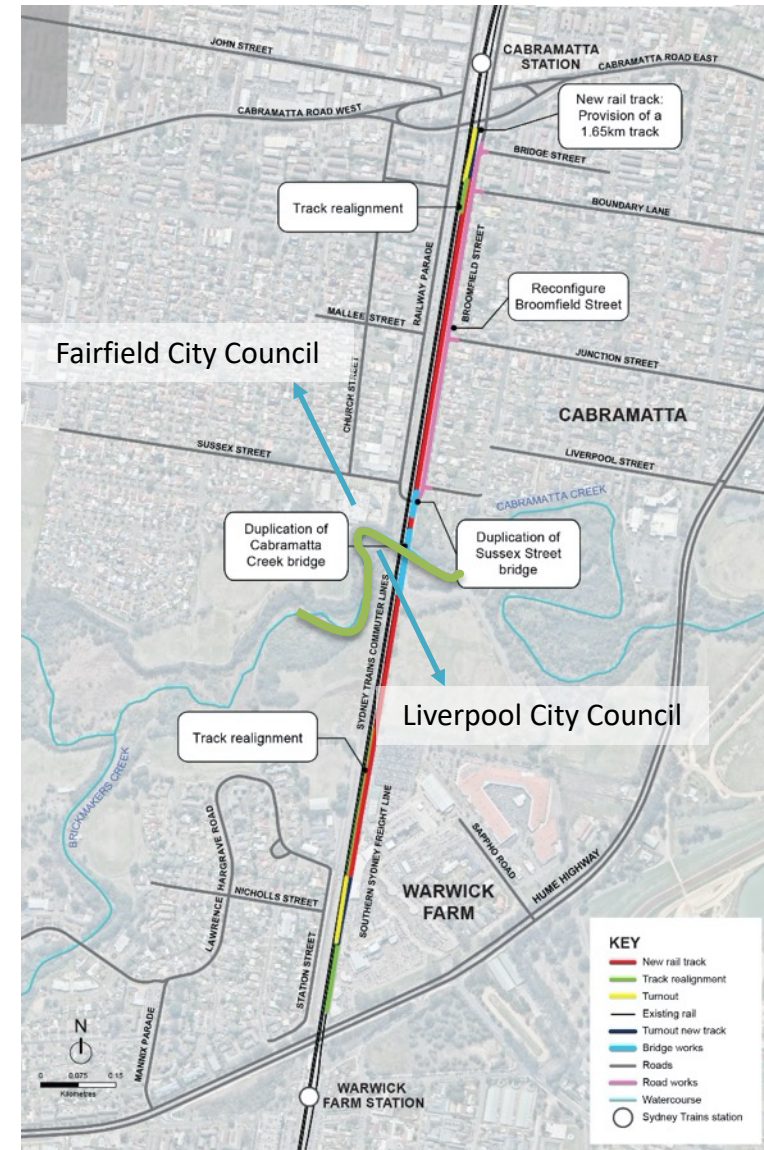
Monday 28<sup>th</sup> October 2021

- Project Description
  - Introduction to the ONVR
  - Operational Noise and Vibration Assessment Criteria
  - Predicted Outcomes
  - Operational Noise and Vibration Mitigation Measures
  - Feedback from Council
-



# Project Description

- 1.6 km of new bi-directional rail loop which includes the following
  - 550m of Realignment of SSFL track to accommodate the Cabramatta Loop
  - 300m of turnouts Warwick and Cabramatta
  - 130m of loop track
- Cabramatta Loop Track underbridge over Cabramatta Creek (125m)
- Cabramatta Loop Track underbridge over Sussex Street (45m)
- 30m earth fill section between 2 bridges - possible to have one long underbridge
- 1130m of retaining walls along the eastern boundary
  - 700m of Noise walls along Broomfield St
  - 30m retaining wall between two bridges
  - 100m of retaining structure at Peter Warren Automotive
  - 300m of retaining structure at Jacquie Osmond Reserve
- Embankment and track formation
- Signalling equipment and systems
- Combined services route including power supply
- Utility relocation and protection works
- Property adjustment works at Broomfield St
- Local Area works at Railway Parade and Broomfield St including utility adjustment works



- CoA E22 of the State Significant Infrastructure Approval requires an Operational Noise and Vibration Review (ONVR) to be developed:
  - The ONVR is required to assess potential impacts at nearby noise and vibration sensitive receivers
  - Develop feasible and reasonable mitigation measures where predicted noise and vibration levels exceed established criteria .
  - This report fulfils the requirement of Condition E22 relating to the preparation of an ONVR.
  - Consultation on the outcomes of the ONVR is required with appropriate stakeholders including relevant councils.

- CoA E22 of the State Significant Infrastructure Approval requires an Operational Noise and Vibration Review (ONVR) to be developed:
  - The ONVR is required to assess potential impacts at nearby noise and vibration sensitive receivers
  - Develop feasible and reasonable mitigation measures where predicted noise and vibration levels exceed established criteria .
  - This report fulfils the requirement of Condition E22 relating to the preparation of an ONVR.
  - Consultation on the outcomes of the ONVR is required with appropriate stakeholders including relevant councils.



- Airborne and ground-borne noise assessment criteria for redeveloped railway lines are presented in the Rail Infrastructure Noise Guideline (RING).
- Ground-borne vibration criteria are presented in Assessing Vibration: a technical guideline
- Criteria are provided for:
  - Residential receivers
  - Other sensitive receivers such as educational, places of worship, offices etc.

•

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- Airborne Noise
    - With the relocation of the existing noise barrier as described below, there are no predicted exceedances of the airborne noise trigger levels.
  - Ground-borne Noise and Vibration
    - No exceedances of operational ground-borne noise and vibration trigger levels are predicted.
  - Updates since the EIS
    - One residential receiver (108-110 Broomfield Street) no longer triggers for consideration of at-property treatment.
-

- Relocated Noise Barrier on Broomfield Street.
- Minimum 4.2m above top of rail level.
- Equal to or marginally higher than the existing noise barrier.
- Staging of construction such that new noise wall is built ahead of existing noise barrier removal.





Thank you for your  
attention and  
appreciate your  
feedback.

---

**Subject:** Re: Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes  
**Date:** Monday, 13 December 2021 at 4:12:44 pm Australian Eastern Daylight Time  
**From:** Marc Schluessel  
**To:** FORMICHELLA, Nicolas  
**CC:** Andy Parker  
**Attachments:** image001.png, image002.png, image003.png, image004.png, image005.png, image006.png, image007.png, image008.png, image009.jpg, image010.jpg

Hi Nic,

The noise assessment methodology presented in the EIS has been reviewed and modified in the IONVR.

The EIS included the noise barrier and SSFL in the 'No Build' scenario but the IONVR review led to the change that the 'No Build' scenario should not include the SSFL and noise barrier and the SSFL freight train volumes would utilise the Sydney Train Lines.

This approach was presented to DPIE and EPA and no issues were raised.

The re-assessment based on the IONVR methodology resulted in no noise criteria exceedances at sensitive receiver locations.

Kind regards,  
Marc

Marc Schlüssel  
Acoustic Consultant

## Resonate

Acoustics • EMF • Structural Dynamics • Vibration

p 02 8355 4888 m 0415 540 512 Level 4, 272 Pacific Highway Crows Nest NSW 2065 Australia

Please note I work Monday - Thursday.

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Poor



Okay



Good



Excellent

---

**From:** "FORMICHELLA, Nicolas" <Nicolas.Formichella@fultonhogan.com.au>  
**Date:** Monday, 13 December 2021 at 3:28 pm  
**To:** Marc Schluessel <marc.schlüssel@resonate-consultants.com>  
**Subject:** FW: Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes

Marc,

Can you provide a response so I can forward to council to close out

Thanks,  
Nic

---

**From:** Ahmad Faizi <AFaizi@fairfieldcity.nsw.gov.au>  
**Sent:** Monday, 22 November 2021 3:01 PM

**To:** FORMICHELLA, Nicolas <Nicolas.Formichella@fultonhogan.com.au>  
**Cc:** Alison Mortimer <AMortimer@fairfieldcity.nsw.gov.au>  
**Subject:** RE: Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes

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Hi Nicolas,

Environmental Management Section reviewed the updated ONVR, and the concept design included EIS detailed operational noise and vibration mitigation measure.

The ONVR assessed potential impacts at nearby noise and vibration sensitive receivers and in the report it states there are no additional mitigation requirements for the operation of the Project beyond the relocation of the existing noise barrier.

Cheers  
Ahmad

**Ahmad Faizi**  
Senior Environmental Health Officer  
Environmental and Public Health Compliance

PO Box 21, Fairfield NSW 1860  
P 9725 0276 | F 9757 4708 | M 0428 358 485  
[www.fairfieldcity.nsw.gov.au](http://www.fairfieldcity.nsw.gov.au)



---

**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Sent:** Friday, 29 October 2021 3:01 PM  
**To:** 'Andy Parker' <[andy.parker@resonate-consultants.com](mailto:andy.parker@resonate-consultants.com)>; Marc Schluessel <[marc.schlussel@resonate-consultants.com](mailto:marc.schlussel@resonate-consultants.com)>; LOEW, Melinda <[Melinda.Loew@fultonhogan.com.au](mailto:Melinda.Loew@fultonhogan.com.au)>; Jessica Spence <[JSpence@artc.com.au](mailto:JSpence@artc.com.au)>; Alison Mortimer <[AMortimer@fairfieldcity.nsw.gov.au](mailto:AMortimer@fairfieldcity.nsw.gov.au)>; Hadi Johan



<[HJohan@ARTC.com.au](mailto:HJohan@ARTC.com.au)>; Ahmad Faizi <[AFaizi@fairfieldcity.nsw.gov.au](mailto:AFaizi@fairfieldcity.nsw.gov.au)>; Dolores Schembri <[DSchembri@fairfieldcity.nsw.gov.au](mailto:DSchembri@fairfieldcity.nsw.gov.au)>; Alec Brown <[ABrown3@ARTC.com.au](mailto:ABrown3@ARTC.com.au)>  
**Cc:** Rhode Liang <[RLiang@ARTC.com.au](mailto:RLiang@ARTC.com.au)>; Richard Tang <[RTang@ARTC.com.au](mailto:RTang@ARTC.com.au)>; MICHIE, James <[James.Michie@fultonhogan.com.au](mailto:James.Michie@fultonhogan.com.au)>  
**Subject:** RE: Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes

Ahmad, Alison,  
Just following on from the email below.  
The latest report for the ONVR will be available early next week for review.  
Regards,  
Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

---

**From:** FORMICHELLA, Nicolas  
**Sent:** Friday, 29 October 2021 2:49 PM  
**To:** 'Andy Parker' <[andy.parker@resonate-consultants.com](mailto:andy.parker@resonate-consultants.com)>; Marc Schluessel <[marc.schlüssel@resonate-consultants.com](mailto:marc.schlüssel@resonate-consultants.com)>; LOEW, Melinda <[Melinda.Loew@fultonhogan.com.au](mailto:Melinda.Loew@fultonhogan.com.au)>; Jessica Spence <[JSpence@artc.com.au](mailto:JSpence@artc.com.au)>; 'Alison Mortimer' <[AMortimer@fairfieldcity.nsw.gov.au](mailto:AMortimer@fairfieldcity.nsw.gov.au)>; Hadi Johan <[HJohan@ARTC.com.au](mailto:HJohan@ARTC.com.au)>; Ahmad Faizi <[AFaizi@fairfieldcity.nsw.gov.au](mailto:AFaizi@fairfieldcity.nsw.gov.au)>; 'DSchembri@fairfieldcity.nsw.gov.au' <[DSchembri@fairfieldcity.nsw.gov.au](mailto:DSchembri@fairfieldcity.nsw.gov.au)>; Alec Brown <[ABrown3@ARTC.com.au](mailto:ABrown3@ARTC.com.au)>  
**Cc:** 'Rhode Liang' <[RLiang@ARTC.com.au](mailto:RLiang@ARTC.com.au)>; 'Richard Tang' <[RTang@ARTC.com.au](mailto:RTang@ARTC.com.au)>; MICHIE, James <[James.Michie@fultonhogan.com.au](mailto:James.Michie@fultonhogan.com.au)>  
**Subject:** Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes

All,

Please see attached meeting minutes and presentation from our meeting yesterday morning regarding the ONVR review for Fairfield City Council.

Please let me know if you have any further comments.

Thanks,  
Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015

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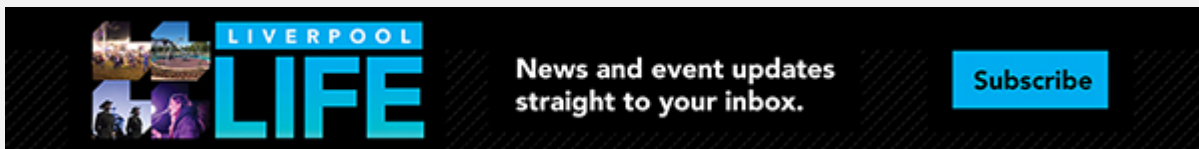
**Subject:** FW: Cabramatta Loop Roads and Drainage Designs  
**Date:** Monday, 13 December 2021 at 10:04:45 am Australian Eastern Daylight Time  
**From:** Kerrie Elliott  
**To:** FORMICHELLA, Nicolas  
**Attachments:** image002.jpg, image008.png, image009.png, image014.png, image016.png, image007.jpg, image010.jpg, image011.jpg, image012.jpg, image013.jpg

Hi Nic,  
I couldn't see if I had forwarded this to you already.

Regards  
Kerrie

**Kerrie Elliott**  
Senior Officer Business Development  
ACEcD

**LIVERPOOL CITY COUNCIL** [02 8711 7802](tel:0287117802) | [0439 842 560](tel:0439842560) | [ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)  
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**From:** Charlie Caraballo <CaraballoC@liverpool.nsw.gov.au>  
**Sent:** Tuesday, 7 December 2021 10:07 AM  
**To:** Kerrie Elliott <ElliottK@liverpool.nsw.gov.au>  
**Cc:** Charles Wiafe <WiafeC@liverpool.nsw.gov.au>; Jeya Shanmuganathan <ShanmuganathanJ@liverpool.nsw.gov.au>  
**Subject:** RE: Cabramatta Loop Roads and Drainage Designs

Hi Kerrie,

My sincere apology for not replying earlier.

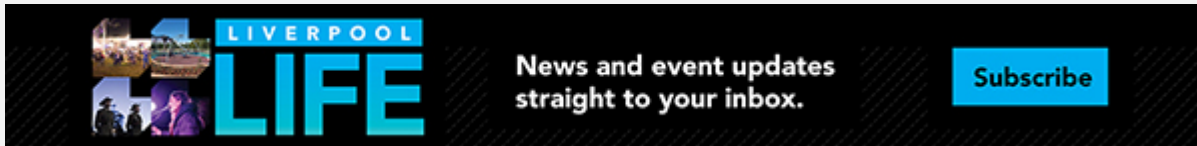
I have reviewed the documentation and have no comments or objects to the proposed works. I believe Maruf Hossain will provide comments on stormwater and flooding.

As advised in the meeting a few weeks ago. Council will require a dilapidation report on the existing infrastructure adjacent to the proposed works and that all local road that is used as accessed to the site shall be maintained and repaired where necessary by the contractor (Fulton Hogan) for the full duration of the project construction period.

Kind Regards,

**Charlie Caraballo**  
Coordinator Land Development





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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Sent:** Thursday, 25 November 2021 6:18 PM

**To:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>

**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; James Bourachi <[BourachiJ@liverpool.nsw.gov.au](mailto:BourachiJ@liverpool.nsw.gov.au)>; Maruf Hossain <[HossainM@liverpool.nsw.gov.au](mailto:HossainM@liverpool.nsw.gov.au)>; Charlie Caraballo <[CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au)>; David Tabrett <[David.Tabrett@kbr.com](mailto:David.Tabrett@kbr.com)>; SMITH, Dillon <[Dillon.Smith@fultonhogan.com.au](mailto:Dillon.Smith@fultonhogan.com.au)>; Cabramatta Loop - Fulton Hogan <[CabramattaLoop@fultonhogan.com.au](mailto:CabramattaLoop@fultonhogan.com.au)>

**Subject:** RE: Cabramatta Loop Roads and Drainage Designs

Hi Kerrie,

Further to our discussion this afternoon regarding the drainage and roads design.

We have not received any further comments from the design packages we have submitted, in addition to the discussions from our meeting on 04/11/21 (slides attached).

We do however, note the following points that were discussed at the presentation meeting, which are being addressed as follows:

- RCP outlet to JOR, will include a security grate on the outlet pipe into the reserve.
- CoA E42 was raised regarding the pavement repair and remediation requirements between Station St and Jacquie Osmond Reserve – it is agreed that the pavement rehabilitation and re-sheeting will be in accordance with the Conditions of Approval.

Noting the minor scope of works that LCC are impacted by in these packages there will not be a major material change to the final detailed designs.

If you do have any further queries can you please let me know by COB Monday 29/11/21 and we will endeavour to answer any further questions you may have.

I will send further updates on the following in separate emails:

- Operational Noise and Vibration Review comment responses
- Urban Design - scope of tree plantings at Jacquie Osmond Reserve

Any issues please give me a call.

Thanks,

Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**

Level 3, 90 Bourke Road, Alexandria, NSW 2015

Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

**From:** FORMICHELLA, Nicolas  
**Sent:** Friday, 5 November 2021 5:18 PM  
**To:** [bourachij@liverpool.nsw.gov.au](mailto:bourachij@liverpool.nsw.gov.au); [CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au); [hossainm@liverpool.nsw.gov.au](mailto:hossainm@liverpool.nsw.gov.au)  
**Cc:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>  
**Subject:** Cabramatta Loop Roads and Drainage Designs

All,

Further to our meeting yesterday, you should have received a link to the designs for review relating to the Cabramatta Loop Project, as per the below email.

The relevant roads and drainage designs are in folders RD-01 and DR-04 respectively.

Can you please liaise with Kerrie, to collate any comments you have on the design so that we can address everything as one review?

I have attached a copy of the comment register template we are using for the project.

Please let me know if you have any issues accessing the files.

Thanks,  
Nic

**Nicolas Formichella** | **Fulton Hogan Construction Pty Ltd**

Level 3, 90 Bourke Road, Alexandria, NSW 2015

Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

---

**From:** FORMICHELLA, Nicolas <[no-reply@sharepointonline.com](mailto:no-reply@sharepointonline.com)>  
**Sent:** Friday, 5 November 2021 4:56 PM  
**To:** [bourachij@liverpool.nsw.gov.au](mailto:bourachij@liverpool.nsw.gov.au); [CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au); [hossainm@liverpool.nsw.gov.au](mailto:hossainm@liverpool.nsw.gov.au)  
**Cc:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Subject:** FORMICHELLA, Nicolas shared the folder "LCC" with you.

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## FORMICHELLA, Nicolas shared a folder with you

Further to our meeting yesterday, please find attached a link to the latest designs for the Cabramatta Loop Project requiring a review from LCC.

Regards,

Nic Formichella



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**Subject:** FW: Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes  
**Date:** Wednesday, 19 January 2022 at 3:26:46 pm Australian Eastern Daylight Time  
**From:** FORMICHELLA, Nicolas  
**To:** Andy Parker  
**Attachments:** Cabramatta Loop - Council Presentation.pdf, CLP-FCC-PM-01-AGN-0001\_ONVR Presentation.pdf

---

**From:** FORMICHELLA, Nicolas

**Sent:** Friday, 29 October 2021 2:50 PM

**To:** 'Andy Parker' <andy.parker@resonate-consultants.com>; Marc Schluessel <marc.schlussel@resonate-consultants.com>; LOEW, Melinda <Melinda.Loew@fultonhogan.com.au>; Jessica Spence <JSpence@artc.com.au>; 'Alison Mortimer' <AMortimer@fairfieldcity.nsw.gov.au>; Hadi Johan <HJohan@ARTC.com.au>; Ahmad Faizi <AFaizi@fairfieldcity.nsw.gov.au>; 'DSchembri@fairfieldcity.nsw.gov.au' <DSchembri@fairfieldcity.nsw.gov.au>; Alec Brown <ABrown3@ARTC.com.au>

**Cc:** 'Rhode Liang' <RLiang@ARTC.com.au>; 'Richard Tang' <RTang@ARTC.com.au>; MICHIE, James <James.Michie@fultonhogan.com.au>

**Subject:** Cabramatta Loop Project - Fairfield Council ONVR Presentation - Meeting Minutes

All,

Please see attached meeting minutes and presentation from our meeting yesterday morning regarding the ONVR review for Fairfield City Council.

Please let me know if you have any further comments.

Thanks,

Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**

Level 3, 90 Bourke Road, Alexandria, NSW 2015

Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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<https://www.fultonhogan.com/privacy-policy/>

**Subject:** FW: Cabramatta Loop Project - Documents for Review  
**Date:** Wednesday, 19 January 2022 at 3:27:44 pm Australian Eastern Daylight Time  
**From:** FORMICHELLA, Nicolas  
**To:** Andy Parker  
**Attachments:** image001.png, image003.png, image005.png, image007.png, CLP-DR-02 and RD-01 FCC Reviews.xlsm

---

**From:** FORMICHELLA, Nicolas  
**Sent:** Friday, 5 November 2021 5:41 PM  
**To:** AFaizi@fairfieldcity.nsw.gov.au; AArunasalam@fairfieldcity.nsw.gov.au; HDo@fairfieldcity.nsw.gov.au; AMortimer@fairfieldcity.nsw.gov.au; SReyes@fairfieldcity.nsw.gov.au  
**Cc:** SMITH, Dillon <Dillon.Smith@fultonhogan.com.au>  
**Subject:** Cabramatta Loop Project - Documents for Review

All,

As discussed in our meeting this morning, I have updated the OneDrive folder to provide you with access (see below email).

Also find attached a copy of the design review comment register.

Alison,

The ONVR has now also been added to the folder, as was presented on Thursday last week.

Please let me know if you have any issues with the folders.

Thanks,  
Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

---

**From:** FORMICHELLA, Nicolas <[no-reply@sharepointonline.com](mailto:no-reply@sharepointonline.com)>  
**Sent:** Friday, 5 November 2021 5:32 PM  
**To:** [AFaizi@fairfieldcity.nsw.gov.au](mailto:AFaizi@fairfieldcity.nsw.gov.au); [AArunasalam@fairfieldcity.nsw.gov.au](mailto:AArunasalam@fairfieldcity.nsw.gov.au); [HDo@fairfieldcity.nsw.gov.au](mailto:HDo@fairfieldcity.nsw.gov.au); [AMortimer@fairfieldcity.nsw.gov.au](mailto:AMortimer@fairfieldcity.nsw.gov.au); [SReyes@fairfieldcity.nsw.gov.au](mailto:SReyes@fairfieldcity.nsw.gov.au)  
**Cc:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Subject:** FORMICHELLA, Nicolas shared the folder "FCC" with you.

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## FORMICHELLA, Nicolas shared a folder with you

Please find attached the link to access the latest roads (RD-01) and drainage (DR-02) design as presented this morning, for the Cabramatta Loop Project.

Also find the NV-01 Operational Noise and Vibration Review (NV-01) as presented last Friday.

Regards,  
Nicolas Formichella  
Fulton Hogan



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## CLP – Liverpool City Council – ONVR Presentation

**Meeting Date:** 29.10.2021

**Meeting Time:** 3:00pm – 4:00

**Location:** Microsoft Teams

### Attendees

Kerri Elliot (LCC) KE

Nicolas Formichella (FH) NF

Richard Tang (LCC) RT

Christopher Guthrie (LCC) CG

Jessica Spence (ARTC) JS

Andrew Parker (Res) AP

Alec Brown (ARTC) AB

James Michie (FH) JM

Neil Ramsay (LCC) NR

Item No.	Comment	Action (date raised)	Due Date
<b>1</b>	<b>ONVR Presentation</b>		
a)	<ul style="list-style-type: none"> <li>Meeting called to present the status of the Operational Noise and Vibration Assessment</li> <li>AP presented the ONVR and slideshow (attached)</li> </ul>	Note	
b)	<ul style="list-style-type: none"> <li>ONVR is a planning requirement, included as a condition of approval (CoA) for the project, and spells out the requirements for assessing noise and vibration impacts from the project during the operational stage.</li> </ul>	Note	
c)	<ul style="list-style-type: none"> <li>AP presented the assessment criteria as applied for the project</li> </ul>	Note	
d)	<ul style="list-style-type: none"> <li>AP confirmed that there are no local property treatments identified in the current assessment in the LCC.</li> </ul>	Note	
e)	Airborne noise assessment guideline – “Rail Infrastructure Noise Guideline” adopted for the ONVR to determine the predicted outcomes of the project.	Note Note	
f)	<ul style="list-style-type: none"> <li>Under the planning approval – the ONVR does not require consultation under the EPA. The regulatory authority is the department of planning and it gets submitted for approval.</li> </ul>	Note	
<b>2</b>	<b>Council Questions</b>		
a)	<ul style="list-style-type: none"> <li>NR questioned whether FFC are also being consulted on the ONVR. AP confirmed that the same consultation opportunity is being provided to the council.</li> </ul>	Note	
b)	<ul style="list-style-type: none"> <li>NR commented on whether the EPA is considered a relevant stakeholder for the project. NF confirmed that the EPA is not considered to be required for the review of the ONVR, but would provide further confirmation to LCC</li> </ul>	NF	2/11/21
c)	<ul style="list-style-type: none"> <li>NR queried when the construction works will commence. NF confirmed that the construction treatments 6 months from construction commencement. NF confirmed that construction commences from next year.</li> </ul>	Note	
d)	<ul style="list-style-type: none"> <li>NR queried the review of the conditions once the project is completed. AP confirmed that there will be a series of noise and vibration measurements conducted adjacent to the project to confirm the vibration measures measured are in line with what is predicted with the report.</li> </ul>	Note	
e)	<ul style="list-style-type: none"> <li>RT confirmed that ARTC have an EPL license with EPA. The operators will be responsible for the train operational noise within the route after the project. Project will monitor for one year to validate the assumptions post construction.</li> </ul>	Note	
<b>3</b>	<b>Review and Comments</b>		
a)	<ul style="list-style-type: none"> <li>NF to issue a copy of the latest ONVR which will become available by early next week</li> </ul>	NF	2/11/21
b)	<ul style="list-style-type: none"> <li>NR confirmed that a 2-3 weeks review period is acceptable with LCC for the ONVR</li> </ul>	Note	

Recorded by: NF

Meeting Closed: 3:50pm

---

# Cabramatta Loop Project

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**Operational Noise and Vibration Review (ONVR)**

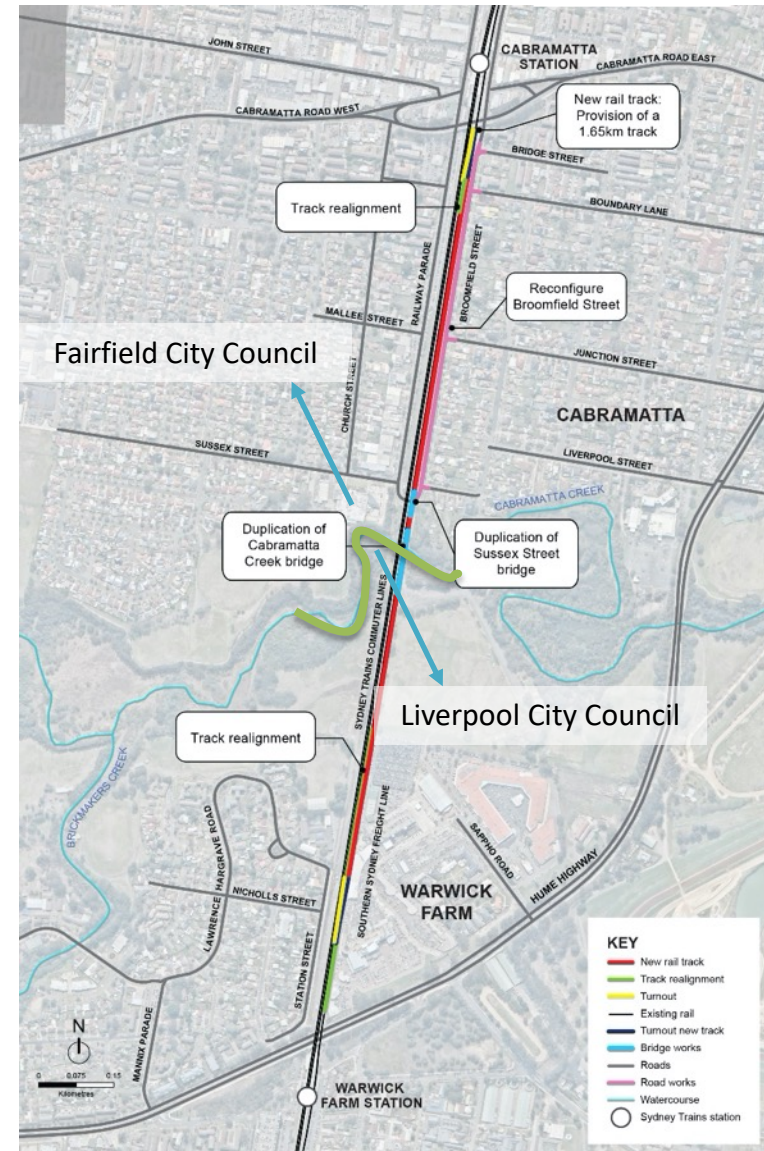
Friday 29<sup>th</sup> October 2021

- Project Description
  - Introduction to the ONVR
  - Operational Noise and Vibration Assessment Criteria
  - Predicted Outcomes
  - Operational Noise and Vibration Mitigation Measures
  - Feedback from Council
-



# Project Description

- 1.6 km of new bi-directional rail loop which includes the following
  - 550m of Realignment of SSFL track to accommodate the Cabramatta Loop
  - 300m of turnouts Warwick and Cabramatta
  - 130m of loop track
- Cabramatta Loop Track underbridge over Cabramatta Creek (125m)
- Cabramatta Loop Track underbridge over Sussex Street (45m)
- 30m earth fill section between 2 bridges - possible to have one long underbridge
- 1130m of retaining walls along the eastern boundary
  - 700m of Noise walls along Broomfield St
  - 30m retaining wall between two bridges
  - 100m of retaining structure at Peter Warren Automotive
  - 300m of retaining structure at Jacquie Osmond Reserve
- Embankment and track formation
- Signalling equipment and systems
- Combined services route including power supply
- Utility relocation and protection works
- Property adjustment works at Broomfield St
- Local Area works at Railway Parade and Broomfield St including utility adjustment works



- CoA E22 of the State Significant Infrastructure Approval requires an Operational Noise and Vibration Review (ONVR) to be developed:
  - The ONVR is required to assess potential impacts at nearby noise and vibration sensitive receivers
  - Develop feasible and reasonable mitigation measures where predicted noise and vibration levels exceed established criteria .
  - This report fulfils the requirement of Condition E22 relating to the preparation of an ONVR.
  - Consultation on the outcomes of the ONVR is required with appropriate stakeholders including relevant councils.

- Airborne and ground-borne noise assessment criteria for redeveloped railway lines are presented in the Rail Infrastructure Noise Guideline (RING).
- Ground-borne vibration criteria are presented in Assessing Vibration: a technical guideline
- Criteria are provided for:
  - Residential receivers
  - Other sensitive receivers such as educational, places of worship, offices etc.

•

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- Airborne Noise
    - With the relocation of the existing noise barrier as described below, there are no predicted exceedances of the airborne noise trigger levels.
  - Ground-borne Noise and Vibration
    - No exceedances of operational ground-borne noise and vibration trigger levels are predicted.
  - Updates since the EIS
    - One residential receiver (108-110 Broomfield Street) no longer triggers for consideration of at-property treatment.
-

- Airborne Noise: Relocated Noise Barrier on Broomfield Street.
  - No additional mitigation measures required for ground-borne noise.
  - No additional mitigation measures required for ground-borne vibration.
-

Thank you for your  
attention and  
appreciate your  
feedback.

---



**Subject:** Re: Comments from Liverpool City Council's Environmental Health Section regarding the Operational Noise and Vibration Review for the Cabramatta Loop Project  
**Date:** Wednesday, 24 November 2021 at 11:28:53 am Australian Eastern Daylight Time  
**From:** Marc Schluessel  
**To:** FORMICHELLA, Nicolas  
**CC:** Andy Parker  
**Attachments:** image001.png, image002.png, image003.png, image004.png, image005.png, image006.png, image007.png, image008.png, image009.png, image010.png, image011.jpg, image012.jpg, image013.jpg, image014.jpg, image015.jpg, image016.jpg, image017.jpg, image018.jpg, Copy of Cabramatta Loop Project ONVR LCC Review 10.11.2021.xlsm

Hi Nic,

Please find attached our responses for your review.

Kind regards,  
Marc

Marc Schlüssel  
Acoustic Consultant

## Resonate

Acoustics • EMF • Structural Dynamics • Vibration

p 02 8355 4888 m 0415 540 512 Level 4, 272 Pacific Highway Crows Nest NSW 2065 Australia

Please note I work Monday - Thursday.

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---

**From:** "FORMICHELLA, Nicolas" <Nicolas.Formichella@fultonhogan.com.au>  
**Date:** Tuesday, 23 November 2021 at 2:58 pm  
**To:** Andy Parker <andy.parker@resonate-consultants.com>  
**Cc:** Marc Schluessel <marc.schlussel@resonate-consultants.com>  
**Subject:** RE: Comments from Liverpool City Council's Environmental Health Section regarding the Operational Noise and Vibration Review for the Cabramatta Loop Project

Hi Andy,

Any update on the below?  
Thanks  
Nic

---

**From:** Andy Parker <andy.parker@resonate-consultants.com>  
**Sent:** Thursday, 18 November 2021 5:04 PM

**To:** FORMICHELLA, Nicolas <Nicolas.Formichella@fultonhogan.com.au>  
**Cc:** Marc Schluessel <marc.schlüssel@resonate-consultants.com>  
**Subject:** Re: Comments from Liverpool City Council's Environmental Health Section regarding the Operational Noise and Vibration Review for the Cabramatta Loop Project

Hi Nic,

Just acknowledging the below email. Marc and I have reviewed the comments and will send responses by Monday.

Have you had any feedback from ARTC on the Stage 3 report?

Kind regards,

Andy

Andrew Parker  
Technical Director

# Resonate

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Poor



Okay



Good



Excellent

---

**From:** "FORMICHELLA, Nicolas" <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Date:** Wednesday, 10 November 2021 at 4:41 pm

**To:** Andy Parker <[andy.parker@resonate-consultants.com](mailto:andy.parker@resonate-consultants.com)>

**Subject:** FW: Comments from Liverpool City Council's Environmental Health Section regarding the Operational Noise and Vibration Review for the Cabramatta Loop Project

Andy,

See attached the council comments from LCC,  
Can you please review and provide responses to the comments?

Thanks,

Nic

---

**From:** Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>

**Sent:** Wednesday, 10 November 2021 11:41 AM

**To:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Cc:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; Steven Tuntevski <[TuntevskiS@liverpool.nsw.gov.au](mailto:TuntevskiS@liverpool.nsw.gov.au)>

**Subject:** Comments from Liverpool City Council's Environmental Health Section regarding the Operational Noise and Vibration Review for the Cabramatta Loop Project

Dear Nicolas,

I would like to thank you for providing Liverpool City Council's Environmental Health Section with the opportunity to comment on the document titled 'Operational Noise and Vibration Review Stage 3 Finalised Detailed Design Cabramatta Loop Project' (Content ID: CLP-RES-NV-01-RPT-0001, Revision No. C) published by Resonate and Fulton Hogan dated 4<sup>th</sup> November 2021.

It would be appreciated if the attached comments could be taken into consideration prior to finalising the Operational Noise and Vibration Review for the Cabramatta Loop Project.

I hope this feedback is of assistance to you.

Have a great day.

Regards,

**Neil Ramsay**

Senior Environmental Health Officer

**LIVERPOOL  
CITY  
COUNCIL**

02 8711 7654 | [RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)

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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Sent:** Monday, 8 November 2021 9:31 AM

**To:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>

**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>

**Subject:** RE: Operational Noise and Vibration Presentation Meeting 29/10/21

Hi Kerrie, It is accessible via the previous link hat I issued for the other design packages. Folder is NV-01

Let me know if you have any issues.

Thanks,

Nic



---

**From:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>  
**Sent:** Monday, 8 November 2021 9:25 AM  
**To:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>; Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>  
**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>  
**Subject:** RE: Operational Noise and Vibration Presentation Meeting 29/10/21

Hi Nic,  
Should there have been a link with this email?

**Kerrie Elliott**  
Senior Officer Business Development  
ACEcD

**LIVERPOOL CITY COUNCIL** 02 8711 7802 | 0439 842 560 | [ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)  
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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Sent:** Friday, 5 November 2021 4:49 PM  
**To:** Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>  
**Cc:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>  
**Subject:** RE: Operational Noise and Vibration Presentation Meeting 29/10/21

Hi Neil,

I have updated the folder with the latest report. It has been labelled NV-01.

Please let me know if you have issues accessing the document.

Thanks again  
Regards,  
Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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**From:** Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>  
**Sent:** Friday, 5 November 2021 11:56 AM  
**To:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Subject:** Re: Operational Noise and Vibration Presentation Meeting 29/10/21

Thanks Nicolas,

I look forward to reviewing the document when it's available. Have a great day,

Regards,  
**Neil Ramsay**  
Senior Environmental Health Officer



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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Sent:** Friday, 5 November 2021 11:10 AM  
**To:** Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>  
**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>  
**Subject:** RE: Operational Noise and Vibration Presentation Meeting 29/10/21

Hi Neil,

We had a bit of delay in finalising the document this week.  
We are aiming to get the document formally issued to the project this afternoon, so you should see something today.

I will confirm via an email.

Thanks

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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**From:** Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>  
**Sent:** Friday, 5 November 2021 10:16 AM  
**To:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>  
**Subject:** Re: Operational Noise and Vibration Presentation Meeting 29/10/21

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Dear Nicolas,

I refer to your email dated 1st November 2021 advising that the Operational Noise and Vibration Review was due to be issued on 2nd November 2021 for Council's review. I noticed that road and drainage information was subsequently shared with Council for the Project.

It would be appreciated if you could confirm whether the Operational Noise and Vibration Review was provided to Council as I haven't seen a link to download this document yet.

Thanks for your assistance which is greatly appreciated.

Regards,

**Neil Ramsay**

Senior Environmental Health Officer



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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Sent:** Monday, 1 November 2021 4:06 PM

**To:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Neil Ramsay <[RamsayN@liverpool.nsw.gov.au](mailto:RamsayN@liverpool.nsw.gov.au)>; Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; Jessica Spence <[JSpence@artc.com.au](mailto:JSpence@artc.com.au)>; Alec Brown <[ABrown3@ARTC.com.au](mailto:ABrown3@ARTC.com.au)>; MICHIE, James <[James.Michie@fultonhogan.com.au](mailto:James.Michie@fultonhogan.com.au)>; Richard Tang <[RTang@ARTC.com.au](mailto:RTang@ARTC.com.au)>; Andy Parker <[andy.parker@resonate-consultants.com](mailto:andy.parker@resonate-consultants.com)>

**Cc:** Cabramatta Loop - Fulton Hogan <[CabramattaLoop@fultonhogan.com.au](mailto:CabramattaLoop@fultonhogan.com.au)>; LOEW, Melinda <[Melinda.Loew@fultonhogan.com.au](mailto:Melinda.Loew@fultonhogan.com.au)>; Hadi Johan <[HJohan@ARTC.com.au](mailto:HJohan@ARTC.com.au)>

**Subject:** Operational Noise and Vibration Presentation Meeting 29/10/21

All,

Thanks again for your time last week.

Please see attached the minutes from the ONVR presentation meeting last Friday 29/10/21.

The ONVR report is on target to be issued for review tomorrow 2/11/21.

Please do not hesitate to contact me if you have any further queries.



Regards,

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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**Subject:** FW: Cabramatta Loop Roads and Drainage Designs  
**Date:** Monday, 13 December 2021 at 10:04:45 am Australian Eastern Daylight Time  
**From:** Kerrie Elliott  
**To:** FORMICHELLA, Nicolas  
**Attachments:** image002.jpg, image008.png, image009.png, image014.png, image016.png, image007.jpg, image010.jpg, image011.jpg, image012.jpg, image013.jpg

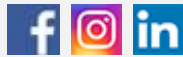
Hi Nic,  
I couldn't see if I had forwarded this to you already.

Regards  
Kerrie

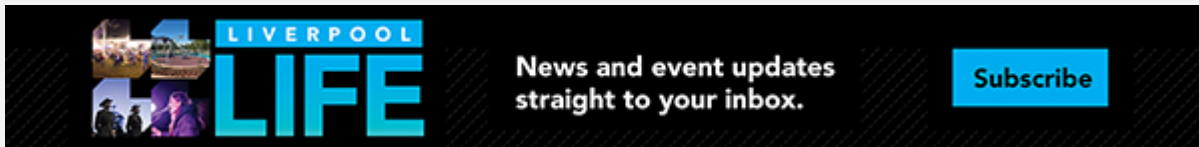
**Kerrie Elliott**  
Senior Officer Business Development  
ACEcD



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**From:** Charlie Caraballo <[CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au)>  
**Sent:** Tuesday, 7 December 2021 10:07 AM  
**To:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>  
**Cc:** Charles Wiafe <[WiafeC@liverpool.nsw.gov.au](mailto:WiafeC@liverpool.nsw.gov.au)>; Jeya Shanmuganathan <[ShanmuganathanJ@liverpool.nsw.gov.au](mailto:ShanmuganathanJ@liverpool.nsw.gov.au)>  
**Subject:** RE: Cabramatta Loop Roads and Drainage Designs

Hi Kerrie,

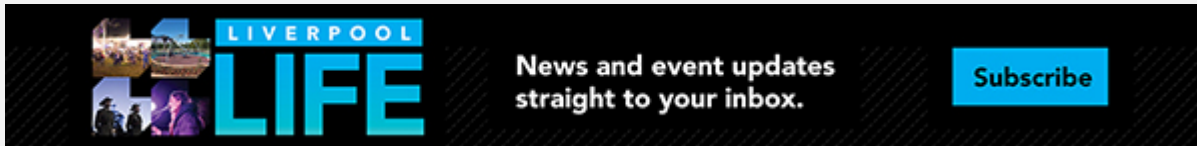
My sincere apology for not replying earlier.

I have reviewed the documentation and have no comments or objects to the proposed works. I believe Maruf Hossain will provide comments on stormwater and flooding.

As advised in the meeting a few weeks ago. Council will require a dilapidation report on the existing infrastructure adjacent to the proposed works and that all local road that is used as accessed to the site shall be maintained and repaired where necessary by the contractor (Fulton Hogan) for the full duration of the project construction period.

Kind Regards,

**Charlie Caraballo**  
Coordinator Land Development



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**From:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>

**Sent:** Thursday, 25 November 2021 6:18 PM

**To:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>

**Cc:** Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>; James Bourachi <[BourachiJ@liverpool.nsw.gov.au](mailto:BourachiJ@liverpool.nsw.gov.au)>; Maruf Hossain <[HossainM@liverpool.nsw.gov.au](mailto:HossainM@liverpool.nsw.gov.au)>; Charlie Caraballo <[CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au)>; David Tabrett <[David.Tabrett@kbr.com](mailto:David.Tabrett@kbr.com)>; SMITH, Dillon <[Dillon.Smith@fultonhogan.com.au](mailto:Dillon.Smith@fultonhogan.com.au)>; Cabramatta Loop - Fulton Hogan <[CabramattaLoop@fultonhogan.com.au](mailto:CabramattaLoop@fultonhogan.com.au)>

**Subject:** RE: Cabramatta Loop Roads and Drainage Designs

Hi Kerrie,

Further to our discussion this afternoon regarding the drainage and roads design.

We have not received any further comments from the design packages we have submitted, in addition to the discussions from our meeting on 04/11/21 (slides attached).

We do however, note the following points that were discussed at the presentation meeting, which are being addressed as follows:

- RCP outlet to JOR, will include a security grate on the outlet pipe into the reserve.
- CoA E42 was raised regarding the pavement repair and remediation requirements between Station St and Jacquie Osmond Reserve – it is agreed that the pavement rehabilitation and re-sheeting will be in accordance with the Conditions of Approval.

Noting the minor scope of works that LCC are impacted by in these packages there will not be a major material change to the final detailed designs.

If you do have any further queries can you please let me know by COB Monday 29/11/21 and we will endeavour to answer any further questions you may have.

I will send further updates on the following in separate emails:

- Operational Noise and Vibration Review comment responses
- Urban Design - scope of tree plantings at Jacquie Osmond Reserve

Any issues please give me a call.

Thanks,

Nic

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**

Level 3, 90 Bourke Road, Alexandria, NSW 2015

Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)



**From:** FORMICHELLA, Nicolas  
**Sent:** Friday, 5 November 2021 5:18 PM  
**To:** [bourachij@liverpool.nsw.gov.au](mailto:bourachij@liverpool.nsw.gov.au); [CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au); [hossainm@liverpool.nsw.gov.au](mailto:hossainm@liverpool.nsw.gov.au)  
**Cc:** Kerrie Elliott <[ElliottK@liverpool.nsw.gov.au](mailto:ElliottK@liverpool.nsw.gov.au)>; Christopher Guthrie <[GuthrieC@liverpool.nsw.gov.au](mailto:GuthrieC@liverpool.nsw.gov.au)>  
**Subject:** Cabramatta Loop Roads and Drainage Designs

All,

Further to our meeting yesterday, you should have received a link to the designs for review relating to the Cabramatta Loop Project, as per the below email.

The relevant roads and drainage designs are in folders RD-01 and DR-04 respectively.

Can you please liaise with Kerrie, to collate any comments you have on the design so that we can address everything as one review?

I have attached a copy of the comment register template we are using for the project.

Please let me know if you have any issues accessing the files.

Thanks,  
Nic

**Nicolas Formichella** | **Fulton Hogan Construction Pty Ltd**

Level 3, 90 Bourke Road, Alexandria, NSW 2015

Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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**From:** FORMICHELLA, Nicolas <[no-reply@sharepointonline.com](mailto:no-reply@sharepointonline.com)>  
**Sent:** Friday, 5 November 2021 4:56 PM  
**To:** [bourachij@liverpool.nsw.gov.au](mailto:bourachij@liverpool.nsw.gov.au); [CaraballoC@liverpool.nsw.gov.au](mailto:CaraballoC@liverpool.nsw.gov.au); [hossainm@liverpool.nsw.gov.au](mailto:hossainm@liverpool.nsw.gov.au)  
**Cc:** FORMICHELLA, Nicolas <[Nicolas.Formichella@fultonhogan.com.au](mailto:Nicolas.Formichella@fultonhogan.com.au)>  
**Subject:** FORMICHELLA, Nicolas shared the folder "LCC" with you.

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## FORMICHELLA, Nicolas shared a folder with you

Further to our meeting yesterday, please find attached a link to the latest designs for the Cabramatta Loop Project requiring a review from LCC.

Regards,

Nic Formichella



This link only works for the direct recipients of this message.

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**Subject:** FW: Operational Noise and Vibration Presentation Meeting 29/10/21  
**Date:** Wednesday, 19 January 2022 at 3:27:00 pm Australian Eastern Daylight Time  
**From:** FORMICHELLA, Nicolas  
**To:** Andy Parker  
**Attachments:** Cabramatta Loop - LCC ONVR- Council Presentation.pdf, CLP-LCC-PM-01-AGN-0001\_ONVR Presentation.pdf

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**From:** FORMICHELLA, Nicolas  
**Sent:** Monday, 1 November 2021 4:06 PM  
**To:** Kerrie Elliott <ElliottK@liverpool.nsw.gov.au>; 'ramsayn@liverpool.nsw.gov.au' <ramsayn@liverpool.nsw.gov.au>; Christopher Guthrie <GuthrieC@liverpool.nsw.gov.au>; 'Jessica Spence' <JSpence@artc.com.au>; 'Alec Brown' <ABrown3@ARTC.com.au>; MICHIE, James <James.Michie@fultonhogan.com.au>; 'Richard Tang' <RTang@ARTC.com.au>; Andy Parker <andy.parker@resonate-consultants.com>  
**Cc:** Cabramatta Loop - Fulton Hogan <CabramattaLoop@fultonhogan.com.au>; LOEW, Melinda <Melinda.Loew@fultonhogan.com.au>; 'Hadi Johan' <HJohan@ARTC.com.au>  
**Subject:** Operational Noise and Vibration Presentation Meeting 29/10/21

All,

Thanks again for your time last week.

Please see attached the minutes from the ONVR presentation meeting last Friday 29/10/21.

The ONVR report is on target to be issued for review tomorrow 2/11/21.

Please do not hesitate to contact me if you have any further queries.

Regards,

**Nicolas Formichella** | Design Manager – Cabramatta Loop Project | **Fulton Hogan Construction Pty Ltd**  
Level 3, 90 Bourke Road, Alexandria, NSW 2015  
Phone +61 437 238 559 | Email: [nicolas.formichella@fultonhogan.com.au](mailto:nicolas.formichella@fultonhogan.com.au) | Web [www.fultonhogan.com](http://www.fultonhogan.com)

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## **Appendix J: Indicative ARTC Operational Complaints Management Process**

